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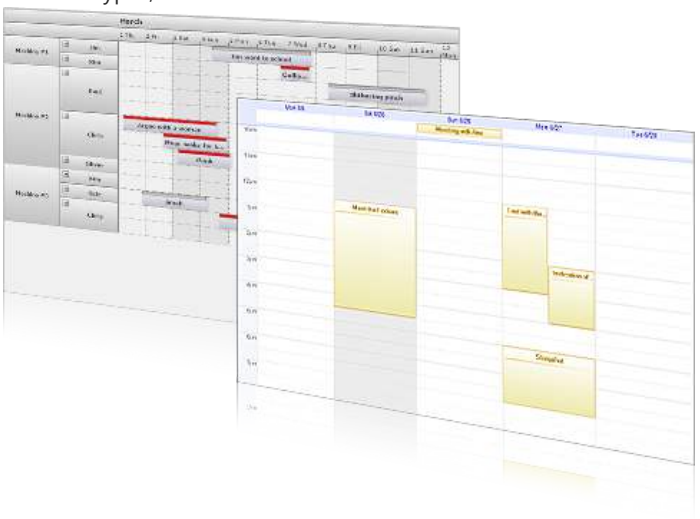
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Introduction

JPlanner is a software component that can be used to present calendars and timetables to users and let them edit the schedule information interactively. It is implemented as a Java control and can be easily integrated into any application targeting the Java Swing platform. By providing your software with ready to use capabilities for visualizing and editing schedule data, JPlanner saves you from hundreds of hours of coding and debugging efforts.

JPlanner can display a schedule in several view types, such as:



- Range of months, displaying several months in a grid, each of the months displaying its days in a smaller grid;
- Single month view, displaying the days of a month and allowing scrolling to previous or next month;
- Range of weeks, displaying days in a grid in which the days of a week occupy a single row;
- List view, displaying a single day on each row or column;
- Timetable view, displaying the allotment of resources to distinct hours of a day; the columns of this view can be grouped by location, task or contact;
- Resource view, displaying the distribution of resources over a period of time;

JPlanner provides intuitive user-interaction model for creating or editing appointments and events in a schedule. In addition, its programming interface places at your disposal many useful functions, ranging from printing and XML serialization to displaying reminders and checking what occurrences of recurrent events happen in a specified time interval.

The control has been tested with the most popular Java development environments.

General Information

The JPlanner Library

- Redistribution is royalty free
- Can be purchased with source code
- Is written in Java

The Schedule Component

- Allows definition of custom-typed events
- Supports recurring events
- Supports undo/redo
- Can be serialized in XML format
- Can be serialized in JSON format
- Provides clipboard support

Views

- Timetable view
- Resource view
- List view

- Month view
- WeekRange view
- MonthRange view

User interaction

- In-place item editing
- Interactive item creation and modification
- Single and multiple item selection
- Scrolling
- Automatic scrolling while dragging items with the mouse
- Tool-tips
- Column resize in Timetable view; row header resize in Resource view
- Expand and collapse rows in Resource view
- Moving to the next / previous day, month or year in various views

Programming

- Programmatic access to both schedule objects and the calendar methods and properties
- Numerous properties for customizing the appearance and behavior of every calendar view
- Rich event set

Output

- To display through Java Swing
- Print Preview
- Printing
- Export parts or whole calendars as images

Appearance

- Fully customizable style-based appearance
- Customizable fonts, colors, shadows and alignments of displayed text
- Images can be associated with calendar elements
- Header, item and text shadows
- Custom painting of various elements
- User-assigned mouse cursors
- Rich choice of pen and brush styles
- Themes

Auxiliary forms

- AppointmentForm for appointment creation and editing
- RecurrenceForm for event recurrence creation and editing
- TaskForm for task creation and editing

What's New in this Release

The list below describes recent changes and additions to JPlanner:

New in Version 2.3.2

Clipboard support

Native clipboard support has been added to the Calendar control via new copyToClipboard, cutToClipboard, and pasteFromClipboard methods. These operations utilize full XML serialization to preserve item states, durations, and relative time offsets. Developers can intercept and validate each item during the paste process using the new itemPasting and itemPasted events, providing flexible control over resource mapping and data integration.

Miscellaneous

- Set the ControlAppearance property to Custom to use custom-drawn navigation buttons and scrollbars that honor theme colors.
- Fix for scrollbars not working when Dark or Black theme applied.

API changes

- **JsonSerializeTagEventArgs** renamed to JsonSerializeTagEvent.

New in Version 2.3.1

- jsonSerializeTag event now allows replacing the Representation argument with a new JsonObject (old version expected it to be modified by adding child elements).
- JSON serialization fixes.

New in Version 2.3

Google Calendar import

The GoogleCalendarImporter class lets you import a user's calendar events as Appointment objects in a Schedule. In order to gain access to user's calendar data, you must create a project in Google Cloud console, enable Google Calendar API and request the appropriate scopes. Implement OAuth2 flow to get an access token representing user's consent, and pass it to importSchedule methods.

Miscellaneous

- Support for headless environments: the library can now be used to generate calendar images on server side.
- Event argument classes now provide public constructors, allowing reuse for custom schedule-related events.

New in Version 2.2.3

- Fixed overflow exceptions when working with large Duration values.
- Fixed exception when reordering rows in resource view with CustomGroupType enabled.

New in Version 2.2.2

- Fixed Continuous property of Selection class.
- loadFromXml overload of LocalizationInfo allow loading from **java.io.InputStream**
- Improved handling of custom ItemEditor.
- Added localizations for following languages: Chinese, Dutch, French, Italian, Japanese, Korean, Polish, Portuguese, Spanish, Turkish;

New in Version 2.2.1

Reorder resources

- Enable the AllowReorderResources property of TimetableSettings to let users reorder resource columns in timetable view when GroupType is set. The ReorderIndicatorColor and ReorderIndicatorWidth properties let you customize the appearance of insertion indicator line.
- Enable the AllowReorderResources property of ResourceViewSettings to let users reorder rows in resource view when **GroupType** and SecondaryGroupType are set. The ReorderIndicatorColor and ReorderIndicatorWidth properties let you customize the appearance of insertion indicator line.

Miscellaneous

- New ItemHeaderText and **ItemDescriptionText** members of **CustomDrawElements** let you custom-draw item's text labels.
- Enable the ExtendedCurrentTimeMarker property of TimetableSettings or TimelineSettings to make current-time marker span the full extent of timetable / resource view (instead of only header area).
- The createImage method lets you export a bitmap representing current calendar view.
- Fixed label rotation angles in horizontal timetable view.
- Fixed RangeSelector exception when running under the *Nimbus* Look and Feel.

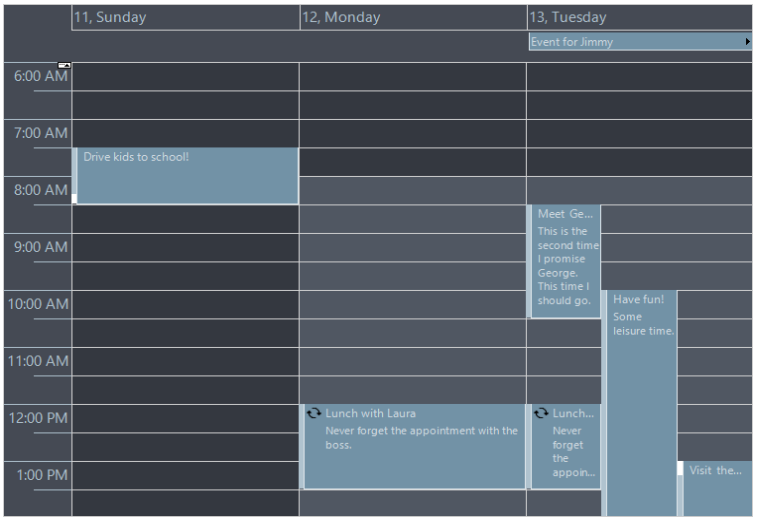
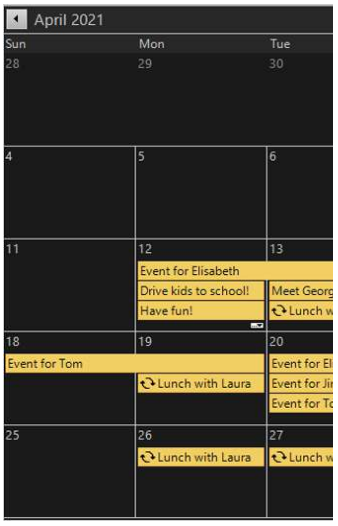
New in Version 2.2

DateTime changes

- The DateTime class now uses **java.time.LocalDateTime** for storage and calculations. New constructor and toJavaDateTime method provide access to the stored **LocalDateTime** for easier interoperability with Java APIs and components.
- **LocalDateTime** storage allows for much large date range (from -999999999-01-01 to +999999999-12-31).
- Fixed toString results for years older than 1593.
- The Duration class now uses a **java.time.Duration** for storage and calculations. New constructor and toJavaDuration method provide access to the stored **java.time.Duration** for easier interoperability with Java APIs and components.

Dark themes

Two dark themes added, accessible via the **Dark** and **Black** elements of ThemeType enumeration, and static getDark and getBlack methods of Theme class.

Dark	Black
	

Miscellaneous

- saveToString and loadFromString methods now support ContentType.Json.
- Fixed **IllegalAccessError** exception when showing standard forms in recent versions of the JDK. Date combo boxes in standard forms no longer use platform-specific **ComboBoxUI** implementations that cause the exception, but only **BasicComboBoxUI**.

Version History

The list below describes past changes and additions to JPlanner:

New in Version 2.1.3

- JSON files are now saved using Unicode UTF8 encoding.
- Database storage sample project added.

New in Version 2.1.2

RecurrenceForm fixes.

New in Version 2.1.1

JSON compatibility fixes.

New in Version 2.1

JSON serialization

Schedules can now be serialized in JSON format. This can be used for interoperability with MindFusion JavaScript scheduling library, or for general storage in JSON files or databases. To serialize a Schedule to a JSON string, call its saveToJson method. To deserialize a schedule back from its JSON representation, call the loadFromJson method. Custom item classes can implement JSON serialization for their additional properties by overriding the saveTo(JsonObject) and loadFrom(JsonObject) methods of base Item class. Such classes must be registered for serialization by calling the registerItemClass method and providing a string identifier for the clientClass parameter.

Standard forms

The library now includes several standard forms for editing object properties. AppointmentForm can be used to create or edit Appointment instances, respectively RecurrenceForm for Recurrence instances, and TaskForm for Task instances. All forms can be localized by passing a LocalizationInfo object to their constructor. The Tutorial3 example now demonstrates appointment and recurrence forms.

ItemListView control

ItemListView is a toolbox-alike control. It displays a list of prototype schedule items, and lets user create new items based on them by drag-and-drop. **ItemListView** can contain instances of any Item-derived class.

New in Version 2.0

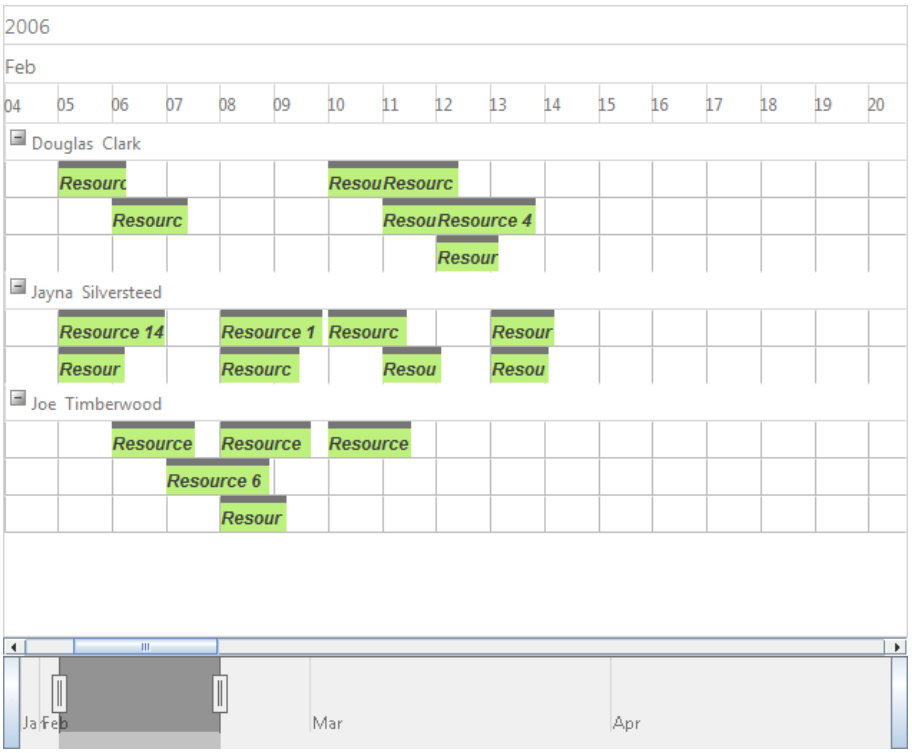
API changes

The following changes to the control's API have been introduced:

- The com.mindfusion.scheduling.awt package has been removed. The **AwtCalendar** class is no longer available – the Calendar class should be used instead. The PrintOptions and PreviewTextKey classes have been moved to the com.mindfusion.scheduling package.
- All enumeration classes are now true java enumerations. Flag enumerations are now represented as **EnumSet**<T> objects.
- The wrapper **Color** and **Font** classes have been removed. The control now uses the **Font** and **Color** classes from java.awt.
- The mouse buttons enumeration has been removed. The constants in the **MouseEvent** class should now be used instead.

RangeSelector integration

The Calendar control can integrate with the new RangeSelector component in order to implement a timeline in the Resource view. The new *resourceTimeline* sample illustrates this integration.



Miscellaneous

- The customizeText and drawing events have been added to CalendarListener.
- The AllowChangeResource property has been added to ItemModifyConfirmEvent.
- The FooterFormat, FooterSize, MainHeaderFormat, and MainHeaderSize properties have been added to ListViewSettings.
- The EnableLanes, EnableSnapping, and SnapUnit properties have been added to MonthSettings.
- The itemResourceChanged event have been added to ScheduleListener.

New in Version 1.2.1

Improved List view

The **List** view can now display an additional header and a footer. To turn them on, set the appropriate flag to the **HeaderStyle** property of the ListViewSettings class. The FooterFormat and MainHeaderFormat properties let you customize the text in the respective header. The text can also be customized through the customizeText method of the CalendarListener interface. The size of the headers can be specified through the MainHeaderSize and FooterSize properties.

Miscellaneous

- getFirstVisibleResource and getLastVisibleResource methods added to the Calendar class;
- The performance of the **Resource** view has been greatly improved;
- setAllowChangeResource method added to the ItemModifyConfirmEvent class;

New in Version 1.2

Licensing

There is no separate trial build of the control anymore. Instead, use the setLicenseKey method of the Calendar control to disable the component's evaluation mode and stop displaying trial messages. License key strings are listed on the Keys & Downloads page at MindFusion's customer portal.

Interactive Recurrence Rescheduling

Recurrences can be rescheduled interactively by holding down the key specified by RescheduleRecurrenceKey while dragging a recurrent item. The control tries to preserve the current pattern of the recurrence when possible. Otherwise, the recurrence may be modified to accommodate to the new start and end times of the modified item. Interactive rescheduling is not registered in the undo history.

New Theme

A new built-in theme is available in JPlanner – the Light theme. Preview of this theme is available in JPlanner Themes.

New Members

Several new members have been added to the control:

- The new HScrollBarHeight and VScrollBarWidth properties in the ControlStyle class allow you to modify the size of the scrollbars.
- The RescheduleRecurrenceKey property in the com.mindfusion.schedulingCalendar class can be used to modify recurrences interactively.
- The RotateGroupHeaderTexts property in the ListViewSettings class can be used to rotate the resource names in the group headers.
- GroupHourCount, HourFormat and TimelinePadding added to the TimetableSettings class.
- Several new **CustomDrawElements** have been added – ItemEndResizeBand, ItemMoveBand, and ItemStartResizeBand.
- The new EnableCollisions property can be used to disable item collisions in Resource view.

New in Version 1.1

Item Effects

The new Glass and Aero visual effects can be applied to items. To apply an effect, create an instance of one of the effect classes, set up its properties, then add the instance to the Calendar.ItemEffects collection. Currently, there are two effect types available – AeroEffect and GlassEffect. Effects can be added, removed or modified at any time and this will immediately reflect on the calendar. Effects of different types can be applied simultaneously. It is also possible to apply more than one effect of the same type. For more information about effects, visit the Item Effects topic.

Custom Grouping

Custom grouping represents the ability to specify the secondary resources individually for each primary resource. This can be done through the new customizeGrouping event. Grouping can now also be enabled by the runtime type of resources, rather than just the four predefined categories. For more information, check the Grouping topic.

New Events

The CalendarListener interface exposes several new events, in addition to customizeGrouping – beginItemDrawing, itemDrawing, endItemDrawing, and filterItem.

Miscellaneous

- Fixed a bug that prevented styled item texts from appearing.
- The getExactDateAt method works more consistently in various scenarios.
- New setViewport method.

Programming Interface Overview

The JPlanner API is divided in two major parts, implemented in different packages. The schedule model is represented by the Schedule, Item, Appointment, Task, Location, Contact and Resource classes,

implemented in the com.mindfusion.scheduling.model package. The core view classes are contained in the com.mindfusion.scheduling package.



The Schedule



The Schedule class represents the data displayed by JPlanner calendar views. The schedule contains a collection of items and several collections of resources. The items are defined by the abstract Item class and implemented by the Appointment class. The resources are implemented by the Task, Location, Contact and Resource classes. Relationships between appointments and resources can be established by adding the resources associated with an item to its appropriate collections.

If your application has to process other types of schedule items, create a class for each item type by inheriting from **Item** or **Appointment**. All methods defined in **Item** are abstract, so if a class inherits from it, that class must implement all derived members. On the other hand, if a class derives from **Appointment**, it can just add its own distinct data and override the saveTo and loadFrom methods to implement serialization of the new members. Custom item classes must be registered for serialization via the registerItemClass method of the **Schedule**. See Creating Custom Appointment Classes tutorial for more information on how to create custom item classes.

Schedule Items

Events scheduled to occur at an appointed time are represented by instances of the Item class. **Item** comprises the information that completely defines a schedule items. For example, the getStartTime and getEndTime methods specify the time and duration of an item. The setRecurrence method lets you create items that occur repeatedly following a specific recurrence pattern. There are several methods that provide additional information about an item, such as getPriority, getHeaderText and getDescriptionText. The class also defines methods that support serialization in XML.

It is possible to associate resources with items via the Resources and Contacts collections or the setLocation and setTask methods of **Item**. The resources that can be associated with an item are instances of the Resource, Contact, Location, and Task classes respectively.

The appearance of an item when displayed in a view is specified through several Style objects. These style objects are associated with the item through the setStyle, setSelectedStyle, setPointedStyle, and setPointedSelectedStyle methods. Each of the styles lets you define various aspects of the item appearance, such as color, font, and alignment.

The abstract class **Item** is inherited by the concrete class Appointment, which can be readily used in your applications. You could also define your own item classes, which derive either from **Appointment** or **Item**. In order to integrate your custom class into the calendar API and user interface, you must do the following:

- Provide parameterless constructor to let users create items of the custom class interactively;
- Override the saveTo / loadFrom methods if you have any additional data fields in your custom class and register the class for serialization using the Schedule.registerItemClass method;

- Override copyOccurrence to support recurrence of the custom item. Also ensure you call markException on the associated recurrence whenever a custom property of the new item changes.

Tutorial 3: Creating Custom Appointment Classes demonstrates in details how to implement custom items.

Recurrence

Schedule items can recur in time, following a specific pattern. For example, an item could be set to occur each Monday, on the third day of each month, and so on. Assign a Recurrence object to an item through the setRecurrence method to specify the time period, pattern, and other properties for the repetition of that item in time.

When a recurrent item is displayed in a calendar control, the control creates multiple occurrences of the item in the time period being visualized. Occasionally you will get references to these occurrences passed as arguments to the various calendar events or returned by the calendar methods. Occurrences are instances of the same class as the item that was set recurrent, however their getRecurrenceState method will return Occurrence. If a user moves a recurrent item's occurrence, or in another way modifies the occurrence, an exception is created. Exceptions are item instances whose **getRecurrenceState** returns Exception.

> **Note**
>
> Recurrence is not automatically supported in user classes derived from Item or Appointment. To see how to implement custom classes, which support recurrence, see Tutorial 3: Creating Custom Appointment Classes.

Resources

JPlanner lets you associate resources with items via the Resources and Contacts collections and the setLocation and setTask methods of the Item class. The objects of these collections and methods are of the Resource, Contact, Location, and Task classes respectively. If you need to assign a resource to schedule items, you must also add this resource to the appropriate collection in the Schedule class, namely Resources, Contacts, Locations, or Tasks.

The timetable, week range and resource views let you display distinct rows or columns for selected resources and to group items by their associated resources. To enable that, add the resources of interest to the appropriate resource collection of the Calendar class (that is, Resources, Contacts, Locations, and Tasks respectively) and set the Calendar.GroupType property to the appropriate value.

The **Resource** class is the base of **Contact**, **Location**, and **Task**. It defines an Id, which must be unique among all resources in the schedule, and a pair of saveTo and loadFrom methods, which implement serialization.

You can define custom resources by deriving from **Resource** or from any of the **Resource**-derived classes. Custom resources are added to the schedule by adding them to the **Resources** collection. In order to enable serialization of custom resources, you have to provide a parameterless constructor and override the **saveTo** / **loadFrom** methods in the custom resource class. In addition you must register that class by calling registerResourceClass before any deserialization code takes place.

Serializing the Schedule

XML Serialization

The saveTo and loadFrom methods of the Schedule class let you save and load schedules to/from XML documents. The saveToString and loadFromString methods let you encode or decode a schedule into/from

an ASCII string, which could be used to store the whole schedule in a database table field or as a part of a larger file.

The serialization methods of the **Schedule** work by invoking the saveTo and loadFrom methods of the Item and Resource classes or the classes derived from them. If you define your own **Item**- or **Resource**-derived classes, you must override the **saveTo** and **loadFrom** methods and register the classes for serialization by calling the registerItemClass and registerResourceClass static methods of the **Schedule**.

JSON Serialization

Schedules can be serialized in JSON format. This can be used for interoperability with MindFusion JavaScript scheduling library, or for general storage in JSON files or databases. To serialize a Schedule to a JSON string, call its saveToJson method. To deserialize a schedule back from its JSON representation, call the loadFromJson method. Custom item classes can implement JSON serialization for their additional properties by overriding the saveTo(JsonObject) and loadFrom(JsonObject) methods of base Item class. Such classes must be registered for serialization by calling the registerItemClass method and providing a string identifier for the clientClass parameter.

Clipboard Support

The component provides built-in support for clipboard operations, allowing users to move or duplicate schedule items by means of copyToClipboard, cutToClipboard, and pasteFromClipboard methods. This system utilizes full XML serialization to preserve the complete state of items, including custom properties, durations, and relative spatial offsets when multiple items are selected.

During the paste process, the control automatically handles resource mapping by matching identifiers, while raising itemPasting and itemPasted events to intercept, validate, or modify each item as it is integrated into the target schedule.

Undo and Redo

To enable undo and redo, call the setUndoEnabled method. When undo is enabled, the control records users actions and allows undoing them later. The records are stored in a list, and can be undone consecutively by calling the undo method of the Schedule class. An action that has been undone can be redone by calling the redo method. You can enable or disable UI elements that undo or redo commands by inspecting the result of the getCanUndo and getCanRedo methods.

The control also runs and saves in the undo history AddItemCommand and RemoveItemCommand commands when items are programmatically added or removed from the Items collection of the **Schedule**. No other changes are recorded automatically when done from code. If support for undo/redo of such changes is required, they must be done through the executeCommand method.

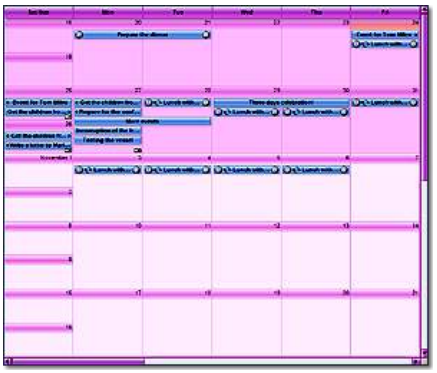
To undo changes of Item properties, create a ChangeItemCommand instance before setting the item properties, and call **executeCommand** afterwards. Any other types of undoable changes can be implemented by deriving from the Command class and overriding its execute, undo and redo methods.

> **Note**
>
> Changes made to the schedule during in-place editing or creation of an item while Undo/Redo is enabled are not supported and will usually result in broken undo consistency or errors. Any modifications to the schedule should be performed before the in-place operation has begun or after it has ended.

Calendar and Timetable Views

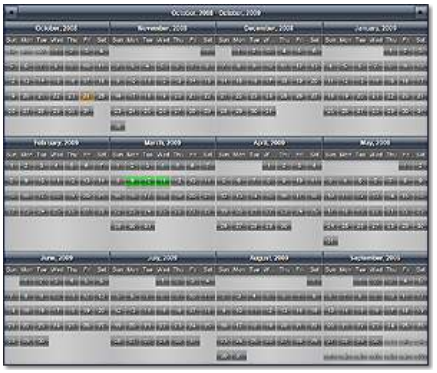
The Calendar class implements several types of views that can be enabled through the setCurrentView method. These views provide different outlooks over the schedule data and allow for different user interaction behavior. By changing the views from more general ones to more specialized ones, your

application can implement drilling down through the schedule data. At this time JPlanner supports the following views:



- The Month Range View displays a range of months or years.
- The Single Month View displays a single month and lets the user scroll to the previous or next month.
- The Week Range View displays a grid in which the days of a week occupy a single row.
- The List View displays a list of cells where each cell represents an arbitrary time interval, such as second, minute, hour, and so on.
- The Timetable View displays the allotment of resources to distinct hours of a day; the columns of this view can be grouped by location, task, contact or resource.
- The Resource View displays the distribution of resources over a period of time.

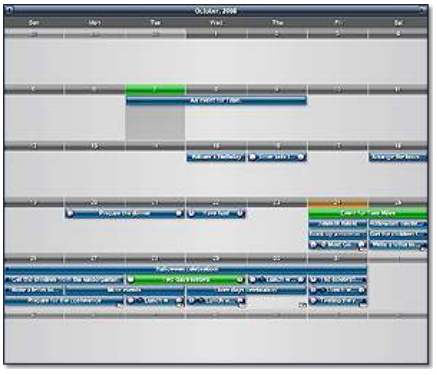
Month Range View



The **Month Range** view displays an arbitrary long sequence of months arranged in rows and columns. Each month represents a grid of day cells, each of which displays the day number and the schedule events set to occur on its respective date. The months in the view can be scrolled back or forth in time by an arbitrary interval using the navigation buttons in the view header.

In order to enable the **Month Range** view, call the setCurrentView method of the Calendar class with MonthRange. Use the MonthRangeSettings and the MonthSettings objects obtained through the getMonthRangeSettings and getMonthSettings methods of the **Calendar** class to customize the appearance of the view. Use the DayStyles, DayOfWeekStyles and MonthStyles collections of the **Calendar** class to specify individual styles for particular cells or ranges of cells. The ItemSettings object obtained through the getItemSettings method affects how items will be displayed.

Single Month View



The **Single Month** view displays a single month and lets the user scroll to the previous or next month or the previous or next year by using the navigation buttons optionally displayed in the view header. The month represents a grid of day cells, which display the day number and the schedule events set to occur on the specific date.

In order to enable the **Single Month** view, call the setCurrentView method of the Calendar class with SingleMonth. Use the MonthSettings object obtained through the getMonthSettings method of the **Calendar** class to customize the appearance of the view. The Style property of the associated DaySettings object specifies a common appearance style to be used for all cells in the view. Use the DayStyles, DayOfWeekStyles and MonthStyles collections of the **Calendar** class to specify individual styles for particular cells or range of cells. The ItemSettings object obtained through the getItemSettings method affects how schedule items will be displayed.

Week Range View



The **Week Range** view displays a range of weeks. Each week occupies a whole row or column whose cells represent days. The day cells display the day name or number according to the GeneralFormat, FirstDayOfMonthFormat and FirstDayOfYearFormat values of the associated DaySettings, and the schedule items set to occur on the corresponding date.

In order to enable the **Week Range** view, call the setCurrentView method of the Calendar class with WeekRange. Use the WeekRangeSettings object obtained through the getWeekRangeSettings method of the **Calendar** class to customize the appearance of the view. Use the DayStyles and DayOfWeekStyles collections of the **Calendar** class to specify individual styles for specific cells. The ItemSettings object obtained through the getItemSettings method affects how schedule items will be displayed.

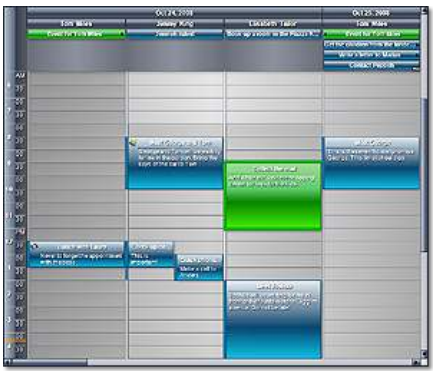
List View



To select the list view, call the setCurrentView method of the Calendar class with List. This view displays several rows or columns where each row or column represents a single second, minute, hour, day, week, month or year. The day cells display the represented time in a user-specified format to the GeneralFormat, FirstDayOfMonthFormat and FirstDayOfYearFormat values of the associated CellSettings, and the schedule items set to occur on the corresponding date.

Use the ListViewSettings object obtained through the getListViewSettings method of the of the **Calendar** class to set the appearance of the list view. The Style property of the associated CellSettings specifies a common appearance style to be used for all cells in the view. Use DayStyles and DayOfWeekStyles to specify a higher priority style for specific cells. The ItemSettings object obtained through the getItemSettings method lets you specify how schedule items should be displayed.

Timetable View



To select the timetable view, call the setCurrentView method of the Calendar class with Timetable. This view displays the allotment of resources to distinct hours of a day; the columns in this view represent dates, tasks, locations, contacts or resources. The columns can be grouped by location, task, contact or resource. Each row represents an hour or a custom time interval. The cells in the view display information about the schedule items allocated to the task, contact, location or resource for the specific time interval.

Use the TimetableSettings object obtained through the getTimetableSettings method of the **Calendar** class to set the appearance of the timetable view. The Style property specifies a common appearance style for all cells in the view, while the WorkTimeCellStyle property defines the style

of the cells in the work time interval. The ItemSettings object obtained through the getItemSettings method lets you specify how schedule items should be displayed.

Resource View



To select the resource view, call the setCurrentView method of the Calendar class with ResourceView. This view displays the distribution of items over a period of time for a particular contacts, locations, tasks or resources. The view displays a single row for each individual contact, location, task or resource and up to three timelines. In order to view associated items in this view, the GroupType property of the **Calendar** must be set to GroupByContacts, **GroupByLocations**, **GroupByTasks** or **GroupByResources**.

Use the ResourceViewSettings object obtained through the getResourceViewSettings method of the **Calendar** class to customize the appearance of the resource view. The Style property specifies a common appearance style for all cells in the view. The ItemSettings object obtained through the getItemSettings method lets you specify how schedule items should be displayed.

Grouping

Views that support grouping: Timetable / Week Range / List / Resource. The **Resource** view can only operate when grouping is enabled. The other views do not support grouping.

In order to enable grouping the following steps should be done:

- The resources should be created and added to the appropriate collection in the schedule: Schedule.Contacts for contacts, Schedule.Locations for locations, Schedule.Tasks for tasks, and Schedule.Resources for general and custom resources.
- The selected resources by which to group should be added to the appropriate collection in the control: Calendar.Contacts for contacts, and so on. The selected resources are a subset of all resources defined in the schedule.
- The Calendar.GroupType should be set to the appropriate value, for example GroupType.GroupByContacts to group by contacts.

The following code illustrates how to enable grouping by contacts:

Java

```
// Define two contacts to group by
Contact c1 = new Contact();
c1.setFirstName("John");

Contact c2 = new Contact();
c2.setFirstName("Jack");

// Add the contacts to the schedule
calendar.getSchedule().getContacts().add(c1);
calendar.getSchedule().getContacts().add(c2);

// Select these contacts for grouping by adding them to
// the appropriate Calendar collection
calendar.getContacts().add(c1);
calendar.getContacts().add(c2);

// Enable grouping by contacts
calendar.setGroupType(GroupType.GroupByContacts);
```

The text displayed in the header of the corresponding resource depends on the type of the resource and is as follows:

- A string formatted according to Calendar.ContactNameFormat for contacts.
- The Resource.Name for general and custom resources, and locations.
- The Task.Subject for tasks.

Grouping and Appearance

- In resource view a single row is dedicated to each individual resource. The row has a header, displaying the text for that resource and contains all items, associated with that resource for the specified time interval. The row can be additionally subdivided to lanes depending on the ResourceViewSettings.ViewStyle.
- In timetable view each column (or row in a horizontal view) that represents a day is additionally subdivided to the number of grouped resources. For example, if there are 3 resources selected to group by, each day column in the view is subdivided to 3 columns. The sub-columns represent individual resources and contain only the items specific for them. The sub-columns have headers containing the resource text. The header of the day column is displayed above the headers of its underlying resource columns.
- The week range view displays a separate view for grouped resources. For example, if there are two resources, two views are displayed alongside, each of which contains the items associated with its corresponding resource.

Multiple Grouping

The Resource view allows grouping by two resource types simultaneously. The primary resource type is still specified through the setGroupType method. The secondary resource type is specified through the setSecondaryGroupType method. When multiple grouping is enabled the view is divided by the primary resources first. Then each primary resource is additionally subdivided by all secondary resources. For example, if there are two primary resources and three secondary resources specified, the view will display two main headers, divided by three subheaders each, for a total of six rows.

Custom Grouping

Usually the setGroupType and setSecondaryGroupType methods are set to different values. For example, **setGroupType** can be set to GroupByContacts and **setSecondaryGroupType** can be set to **GroupByResources**, to group by contacts and resources respectively. However, it is possible to group resources by their runtime type. In this case both the primary and the secondary resources need to be placed in the Calendar.Resources collection and both **setGroupType** and **setSecondaryGroupType** need to be set to **GroupByResources**. In addition, setCustomGroupType and setCustomSecondaryGroupType must be set to the appropriate runtime types of the resources. The following example illustrates how to enable grouping by custom resources of type Machine and Worker:

Java

```
calendar.setGroupType(GroupType.GroupByResources);
calendar.setSecondaryGroupType(GroupType.GroupByResources);
calendar.setCustomGroupType(Machine.class);
calendar.setCustomSecondaryGroupType(Worker.class);
```

It might not always be desired that a primary resource is associated with all secondary resources. In the above case for example, only a subset of the workers could be associated with a machine. This can achieved in JPlanner through the customizeGrouping method of the CalendarListener interface. Let us assume that the Machine class provides a list of workers that are qualified to work with that machine. In this case, the following **customizeGrouping** override enables grouping only by the qualified workers:

Java

```
public void customizeGrouping(CustomizeGroupingEvent e)
{
    Machine machine = (Machine)e.getParents()[0];
    e.getGroupByResources().clear();
```

```
    e.getGroupByResources().addAll(machine.getQualifiedWorkers());
}
```

Customizing Appearance

The following topics are contained within this topic:

Styles and Themes
Information about the visualization styles and themes available in JPlanner.

Customizing the Appearance of Views
Information on how to modify the appearance of various JPlanner views.

Customizing the Appearance of Items
Information on how to modify the appearance of items in JPlanner.

Item Effects
Information about the built-in effects that can be applied to the appointments.

Tooltips
General information about the tooltips in JPlanner.

Styles and Themes

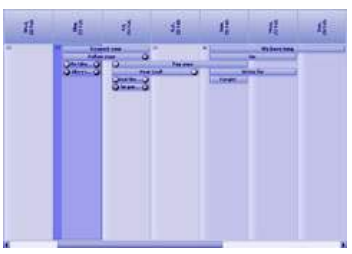
A Style is a set of appearance attributes, such as colors, brushes and images that can be applied to schedule items or calendar view cells as an integral entity. Styles support cascading propagation of attributes up through the visualization hierarchy. Attributes defined in more specific styles override the attributes defined in more general styles. If a style leaves some attribute values undefined, the ones specified in a more general style or in the current theme are used. For example, the Item.Style cascades to ItemSettings.Style, which in turn cascades to the corresponding style in the current theme. If a value in **Item.Style** is defined, it will be used. Otherwise, the style system will take this value from **ItemSettings.Style**. If the value is not present there too, it will be obtained from the current theme.

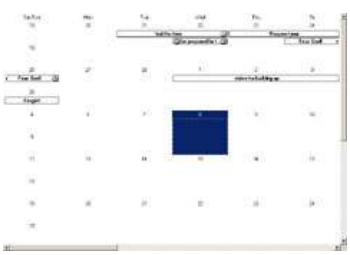
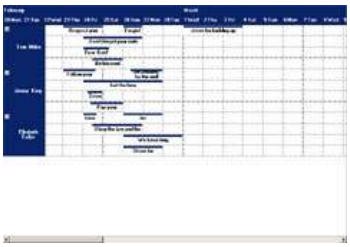
Themes are complete sets of styles and attributes that can be applied to the calendar and its views. The themes contain values for all properties in the MonthSettings, TimetableSettings, ListViewSettings, and so on, defining the appearance of the various calendar views. JPlanner comes with several predefined themes: Standard, Windows2003, Silver, Lila, and Vista. Use the Calendar.applyTheme method to apply a specific theme.

You can create custom themes by deriving from Theme. For more information on how to do this see Custom Themes.

[var value='SchedulingProductName' /] Themes

The following table illustrates how various views would look like when particular appearance Theme is applied to them.

	Standard	Windows2003	Lila
List View			

Week Range			
Month Range			
Timetable			
Resource View			

Custom Themes

JPlanner enables the creation of user-defined themes. To create a custom theme, derive from Theme and implement all abstract members.

In order to work properly, all properties of the theme must be explicitly initialized. The theme properties cannot have undefined values. That is, a property should not be **null**. This ensues from the fact that the theme is the last layer in the appearance hierarchy and the mechanism to propagate a request further in the hierarchy when a theme property is undefined will fail.

The following sample code illustrates what is the usual structure of a custom theme class:

Java

```
public class MyTheme extends com.mindfusion.scheduling.Theme
{
    public MyTheme()
    {
        this._listViewSettings = super.createListViewSettings();
        this._itemSettings = super.createItemSettings();
        // Instantiate the rest of the fields

        // Initialize all objects
    }


    @Override
    public ListViewSettings getListViewSettings()
```

```
    {
        return this._listViewSettings;
    }

    @Override
    public ItemSettings getItemSettings()
    {
        return this._itemSettings;
    }

    // Override all other theme properties and return
    // the corresponding objects


    private ListViewSettings _listViewSettings;
    private ItemSettings _itemSettings;
    // Declare all other necessary fields
}
```

All objects that cannot be instantiated directly, such as MonthSettings, can be created by calling various protected methods of the base **Theme** class. For example, in order to create a **MonthSettings** object, you need to invoke Theme.createMonthSettings.

Customizing the Appearance of Views

The appearance of individual calendar views depends on the settings corresponding to them. For example, the appearance of the list view is controlled by the Calendar.ListViewSettings property, while the appearance of the timetable view is controlled by the Calendar.TimetableSettings property, and so on. The month range view is an exception to this rule since it depends on both Calendar.MonthSettings and Calendar.MonthRangeSettings.

The settings object defines styles for various elements of the view. Most settings contain properties, which let you change the size and number of elements (such as columns, rows, headers, and so on) contained in the view. There are usually properties that control the padding and margin of various elements and properties that define the format of the text displayed in the view.

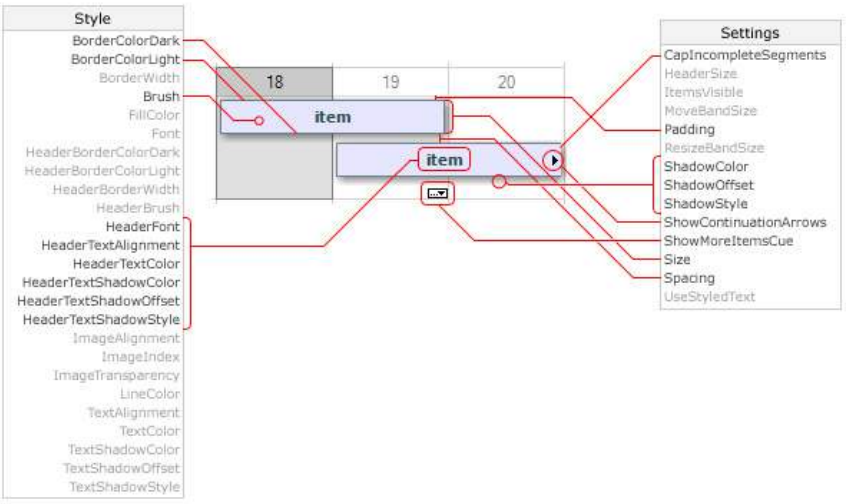
Most view elements can be custom-drawn by setting the appropriate flag using the setCustomDraw method of the Calendar and listening for the draw event. The **draw** method receives an argument, that specifies which element is being drawn, its coordinates and style. Use the methods of the **Graphics** object supplied to the method to render your custom visualization.

Customizing the Appearance of Items

There are several ways to customize the appearance of items in JPlanner.

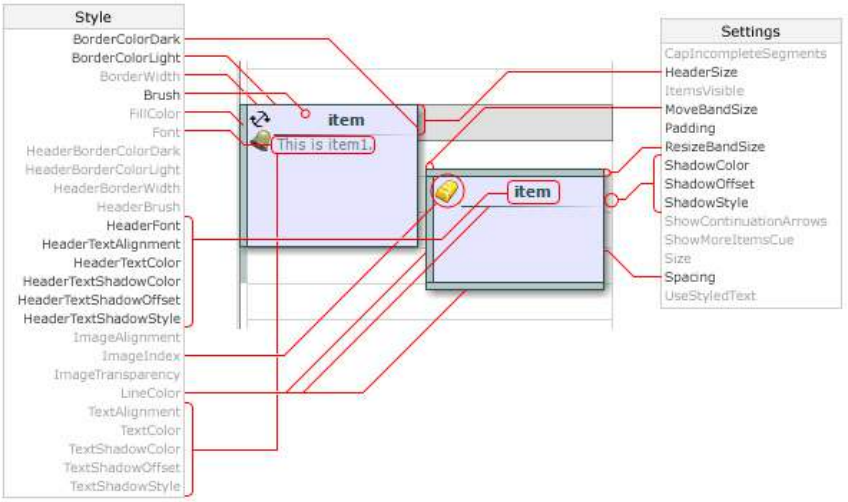
You can customize the general appearance of items in a schedule, by setting various properties in Calendar.ItemSettings. This would affect the appearance of all items in the current schedule. To customize the appearance of an individual item, adjust its Style, SelectedStyle, PointedStyle, and PointedSelectedStyle properties. The particular style that will be used when the item is rendered depends on the state of the item. **Style** is used when the item is neither selected nor the mouse hovers over it. **SelectedStyle** is used when the item is selected and the mouse is not over it. **PointedStyle** is used when the mouse is over a non-selected item and, finally, **PointedSelectedStyle** is used when the item is selected and the mouse is over it at the same time. **PointedStyle** and **PointedSelectedStyle** are only used if ItemSettings.UseExtendedStyles is set to **true**. Extended styles are disabled by default. The item styles support the cascading paradigm described in Styles and Themes. The most general item styles are defined in the current theme. They cannot be changed by any means except by changing the theme itself. The styles defined in **Calendar.ItemSettings** are of higher priority and any of their properties that are explicitly specified will be used prior those from the theme. The styles defined in individual items are of highest priority and will always be used first, when present.

The following illustration shows how item appearance is affected by the item settings and style.



The image shows how to customize item appearance in a single month, month range, list and week range views. The grayed out properties either do not have effect or do not have noticeable effect on the items in these views.

The next image illustrates how settings affect the appearance of items in a timetable view.



You can use custom drawing to perform additional drawing on an item by setting Calendar.CustomDraw to CalendarItem, **TimetableItem** or **ResourceViewItem** and listening to the draw event.

Item Effects

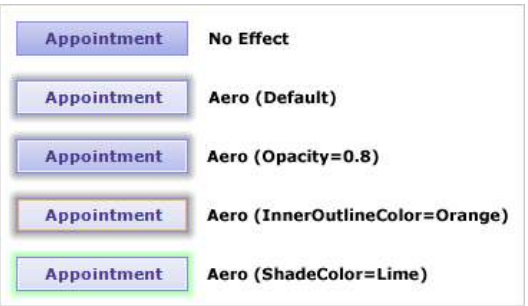
To apply an effects to the items in a calendar, create an instance of one of the effect classes and add this instance to the Calendar.ItemEffects collection. It is possible to combine different effects by adding instances of their appropriate types to the **ItemEffects** collection. If is also admissible to apply more than one effect of the same type.

The currently supported effect types are Aero and Glass. They are discussed in more details in the sections below.

Aero Effect

The Aero effect is represented by the AeroEffect class. The effect is designed to roughly resemble the Aero theme of Windows. More specifically, the effect adds semi transparency to the items, a smooth shade at the outside and a thin inset stroke. The semi transparency is specified through the setOpacity method. Opacity varies from 0 to 1 inclusive, where 0 indicates full transparency and 1 indicates the original item color. The semi transparency is applied only to the item brush. The colors of the shade and the inner stroke are

specified through the setShadeColor and setInnerOutlineColor methods respectively. The following image illustrates how these properties affect the output:



The following example applies the Aero effect to the items of an existing calendar:

Java

```
AeroEffect effect = new AeroEffect();
effect.setOpacity(0.5f);
effect.setInnerOutlineColor(new Color(100, Colors.White));
calendar.getItemEffects().add(effect);
```

Tips

- The Aero effect works very well in scenarios with overlapping items (for example when collisions are disabled) or in cases where the item crosses several cells, due to the effect of semi transparency.
- Aero combines well with the Glass effect. There are some examples at the end of this topic.
- The ShadeColor is usually black or another dark color. However, some nice glow effects can be achieved by setting bright ShadeColor on a calendar with dark background.
- The Aero effect can impact performance if there are many visible items.

Glass Effect

The Glass effect is represented by the GlassEffect class. The Glass effect adds a visual on top of the items in order to give the impression of a reflective surface. There are several variations of this effect, which can be selected through the setType method. The color of the reflection and the ambient color can be specified through the setReflectionColor and setGlowColor methods respectively. When UsePenAsGlow is set to **true** the color of the item's bottom border color is used as the ambient color. The following image illustrates the differences between the individual effect types:



The following example applies a Glass effect with the default settings to the items of a calendar:

Java

```
calendar.getItemEffects().add(new GlassEffect());
```

Tips

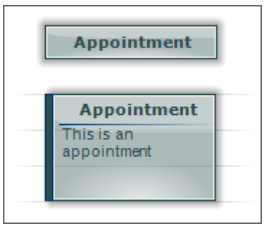
- The GlowColor is usually white. However, for Type4 glass effects it is often more suitable to use black glow.
- The Glass effect combines well with the Aero effect. There are some examples at the end of this topic.
- Several glass effects of different types can be applied simultaneously for emphasized effect.

Examples

The values of the effect properties are usually selected in accordance with the color scheme of the target calendar and the desired end result. In addition different types of effects can be applied simultaneously to achieve more interesting results. The examples below demonstrate possible effect combinations in various color contexts.

Aero & Glass (Dark on Light)

In this example the Aero and Glass effects are combined. The Aero effect is useful in scenarios when dark items are placed on light background or vice versa, in order to emphasize the contrast.



Here is the code that applies the above effects:

Java

```
calendar.getItemEffects().add(new GlassEffect());
calendar.getItemEffects().add(new AeroEffect());
```

Aero & Glass (Light on Dark)

This example is similar to the first one, only this time the items are painted in light colors and the background is dark.



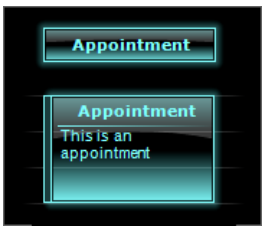
Here is the code that applies the above effect:

Java

```
GlassEffect glassEffect = new GlassEffect();
glassEffect.setType(GlassEffectType.Type3);
calendar.getItemEffects().add(glassEffect);
calendar.getItemEffects().add(new AeroEffect());
```

Glow Effect

This example uses bright colors on black background to create a glow effect. The example utilizes an Aero effect with ShadeColor set to the color of the items' border color.



Here is the code that applies the above effects:

Java

```
GlassEffect glassEffect = new GlassEffect();
glassEffect.setType(GlassEffectType.Type2);
glassEffect.setUsePenAsGlow(true);
calendar.getItemEffects().add(glassEffect);
AeroEffect aeroEffect = new AeroEffect();
aeroEffect.setOpacity(0);
aeroEffect.setInnerOutlineColor(Colors.Black);
aeroEffect.setShadeColor(new Color(128, 255, 255));
calendar.getItemEffects().add(aeroEffect);
```

For the rest of the settings for all of the above examples, refer to the **Effects** sample.

Tooltips

Tooltips are displayed for items and for the column headers in the timetable view. Tooltips are only displayed if Calendar.ShowToolTips is set to **true**. The item tooltip is formatted according to Calendar.ItemTooltipFormat. Item tooltips can be additionally customized by listening to the itemTooltipDisplaying event. The column header tooltip displays the text contents of the column header and can be customized by listening to the tooltipDisplaying event.

Tutorials

Tutorial 1: Getting Started
This tutorial demonstrates how to quickly utilize JPlanner in an application.

Tutorial 2: Creating Recurrent Items
This tutorial shows how to create recurring items programmatically in JPlanner.

Tutorial 3: Creating Custom Appointment Classes
This tutorial demonstrates how to create custom appointment class, by deriving from Appointment. The custom class is also made serializable and supports recurrence.

Tutorial 1: Getting Started

This tutorial will show you how to create a simple day schedule application based on JPlanner.

1. Create a new Java project

Create a new Java project, add a reference to the JPlanner.jar to this project and create a single package named tutorial1. In this package add a new class named MainWindow. Inherit the MainWindow class from JFrame and add a main method that displays an instance of the MainWindow:

Java

```
public class MainWindow extends JFrame
{
    public static void main(String[] args)
    {
        SwingUtilities.invokeLater(new Runnable() {
             public void run() {
                 try {
                     new MainWindow().setVisible(true);
                 }
                 catch (Exception exp) {
                 }
             }
         });
    }
```

```
    protected MainWindow()
    {
        setDefaultCloseOperation(EXIT_ON_CLOSE);
        setSize(400, 400);
        setTitle("Tutorial 1");
    }


    private static final long serialVersionUID = 1L;
}
```

2. Add the Calendar control to the window

Define a variable of type Calendar as a member field of the MainWindow class. In the constructor initialize this variable with a new instance of the **Calendar** class and add the newly created calendar to the window:

Java

```
calendar = new Calendar();
getContentPane().add(calendar, BorderLayout.CENTER);
```

Do not forget to import the Calendar:

Java

```
import com.mindfusion.scheduling.Calendar;
```

Change CurrentView to Timetable. The timetable view displays rows of cells corresponding to the time of the day, and the cells in each column correspond to a specific date. Set ShowDayHeader of Calendar.TimetableSettings to **true**. TimetableSettings as the name suggests contains the settings that effect the timetable view. There are corresponding settings objects available for each of the view types.

3. Add more days to the Timetable

Initially the timetable displays only one day - the current day. To change the set of displayed days, add the following lines to the initialization code:

Java

```
calendar.beginInit();
calendar.getTimetableSettings().getDates().clear();
for (int i = 0; i < 5; i++)
    calendar.getTimetableSettings().getDates().add(DateTime.today().addDays(i));
calendar.endInit();
```

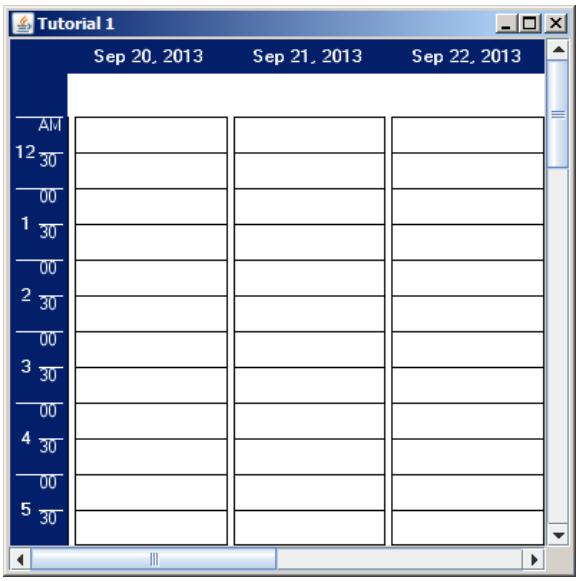
The code above adds 5 days to the timetable view, starting from today.

The first and last methods called above are used together to enclose code, which contains series of modifications to the calendar. beginInit disables the internal update logic of the control, while endInit resumes the control's normal behavior and updates its internal state to reflect all changes made since the call to **beginInit**.

You can also set VisibleColumns to more than 1 to ensure more than one column is visible initially.

4. Build and run

Compile and run the application. If you have set VisibleColumns to 3, the result should look like the image shown below.



Tutorial 2: Creating Recurrent Items

This tutorial shows how to programmatically create recurring items using JPlanner.

1. Create and initialize a new Java project

Follow steps 1 and 2 from the previous tutorial.

Set CurrentView to WeekRange, Date to Jan 1, 2015 and EndDate to Mar 1, 2015, respectively.

2. Create an appointment

Create a new appointment in the window's constructor by adding the following lines of code to the constructor:

Java

```
Appointment app = new Appointment();
app.setHeaderText("Meet George");
app.setDescriptionText("This is a sample appointment");
app.setStartTime(new DateTime(2015, 1, 10, 14, 0, 0));
app.setEndTime(new DateTime(2015, 1, 10, 16, 30, 0));

calendar.getSchedule().getItems().add(app);
```

The code above creates a new appointment on 10th of January, 2015, starting at 2:00 PM and ending at 4:30 PM.

3. Create the recurrence

Now that the appointment is added to the schedule, create a Recurrence object that defines how the appointment recurs. The following code creates and initializes a new **Recurrence** object and associates it with the item. Add these lines to the window's constructor.

Java

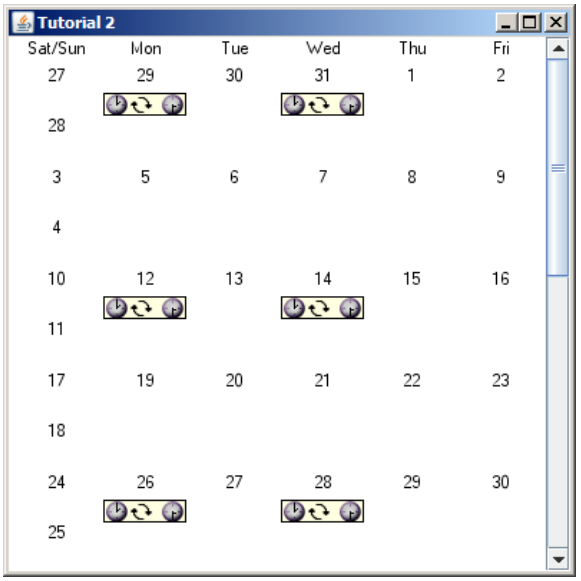
```
Recurrence rec = new Recurrence();
rec.setPattern(RecurrencePattern.Weekly);
rec.setDaysOfWeek(DaysOfWeek.Monday | DaysOfWeek.Wednesday);
rec.setWeeks(2);
rec.setStartDate(new DateTime(2006, 1, 10));
rec.setRecurrenceEnd(RecurrenceEnd.Never);
```

```
app.setRecurrence(rec);
```

This fragment creates a new recurrence object that continues infinitely and repeats the appointment on Monday and Wednesday every two weeks.

4. Build and run

Compile and run the application. The image below depicts what the application output would look like.



Tutorial 3: Creating Custom Appointment Classes

This tutorial shows how to create a custom schedule item class. For simplicity, the sample demonstrates that by inheriting a class from Appointment.

1. Create and initialize a new Java project

Follow steps 1 and 2 from Tutorial 1: Getting Started.

2. Create new class for the custom item

Create a new class in the project (for example MyApp). Inherit the new class from Appointment.

The custom class will support a new property of type **boolean** (called Kept) that will indicate whether the appointment has been kept or cancelled. The implementation of the property is trivial. Simply add a private field of type **boolean** and a property getter and setter. The following code illustrates this:

Java

```
public class MyApp inherits Appointment
{
    public MyApp()
    {
        _kept = true;
    }

    public boolean getKept()
    {
        return _kept;
    }

    public void setKept(boolean value)
```

```
    {
        _kept = value;
    }


    private boolean _kept;
}
```

Note

You must provide constructor that takes no argument with your custom item class. JPlanner creates item class instances using reflection and an exception will be thrown if there is no such constructor available.

3. Set the custom item as default

By default the Calendar control instantiates items of type Appointment when the user creates items interactively (by typing). To make the calendar create items of the new class, we need to add the following line of code:

Java

```
calendar.setInteractiveItemType(MyApp.class);
```

Now all items created by the user at runtime will be instances of MyApp.

4. Test

To test whether the calendar actually creates MyApp instances, listen to the control's itemClick event. Add the following as a body of the event method:

Java

```
if (e.getItem() instanceof MyApp)
{
    calendar.resetDrag();
    JOptionPane.showMessageDialog(MainWindow.this, "This is our item.");
}
```

Clicking on an item now should display the message box.

5. Serialization

Serialization of custom items requires additional efforts. Attempts to save a schedule containing items of type MyApp will result in an InvalidOperationException exception. In order to support serialization, we have to register MyApp with the schedule. For this purpose, add the following line of code somewhere in the window's constructor:

Java

```
Schedule.registerItemClass(MyApp.class, "myapp", 1);
```

Now the exception won't be thrown, but we still need to override the saveTo and loadFrom methods of the Appointment class in order to serialize the custom property Kept. The code below illustrates how this is done.

Java

```
@Override
public void saveTo(Element element, XmlSerializationContext context)
{
    super.saveTo(element, context);
    context.writeBool(_kept, "kept", element);
}

@Override
```

```
public void loadFrom(Element element, XmlSerializationContext context)
{
    super.saveTo(element, context);
    _kept = context.readBool("kept", element);
}
```

6. Recurrence

Recurrence of items from a custom class is not handled wholly automatically. Let's take a closer look at how recurrence works in JPlanner. When a recurrence pattern is associated with an existing item, the item is said to become the master of the recurrence. Every time the occurrences of a master item must be displayed in a given time range, they are generated by instantiating new objects of the same type as that of the master. This is necessary in order to support infinite recurrences, where the generation of all recurrence instances is not possible. When the occurrences are generated, their properties are copied from the master item. This is done automatically for the built-in item properties, but not for those added by a derived item class. In order to copy the custom properties from the master item to a particular occurrence, you need to override the copyOccurrence method. The following code sample shows how to do this.

Java

```
@Override
protected void copyOccurrence(Item master)
{
    super.copyOccurrence(master);
    _kept = ((MyApp)master).getKept();
}
```

In addition, it is recommended to mark an item from a recurrent series as an exception when the value of a custom property changes. Otherwise, the change will be lost the next time the instance is generated.

Java

```
//...
public void setKept(boolean value)
{
    _kept = value;
    if (getRecurrence() != null)
        getRecurrence().markException(this, false);
}
//...
```

7. Interactive cloning

The users can clone items by holding down a particular key (the SHIFT key by default). To enable your custom items to be cloned interactively, you have to override the clone method, create a new object from your custom type and duplicate the fields of the prototype item. If you do not override the **clone** method, JPlanner will still create copies of the item, but they will be of type Appointment instead of the custom item type. Here is a sample implementation of the **clone** method.

Java

```
//...
@Override
public MyApp clone()
{
    MyApp clone = new MyApp();

    // The following code replicates the code used in
    // the Appointment's Clone method
    clone.setAllDayEvent(this.getAllDayEvent());
    clone.setDescriptionText(this.getDescriptionText());
    clone.setEndTime(this.getEndTime());
    clone.setHeaderText(this.getHeaderText());
    clone.setLocation(this.getLocation());
    clone.setLocked(this.getLocked());
    clone.setPriority(this.getPriority());
```

```
    clone.setReminder(this.getReminder());
    clone.setSelectedStyle(this.getSelectedStyle().cloneShallow());
    clone.setStartTime(this.getStartTime());
    clone.setStyle(this.getStyle().cloneShallow());
    clone.setTag(this.getTag());
    clone.setTask(this.getTask());
    clone.setVisible(this.getVisible());

    for (Resource resource: this.getResources())
        clone.getResources().add(resource);

    for (Contact contact: this.getContacts())
        clone.getContacts().add(contact);

    // Now copy the custom fields
    clone.setKept(this.getKept());

    return clone;
}
//...
```

8. Undo and Redo Support

In order to enable undo/redo of changes done on MyApp, create an ItemState-derived class that contains member corresponding to the additional properties defined by MyApp:

Java

```
class MyAppState extends ItemState
{
    @Override
    public boolean equals(Object obj)
    {
        if (obj == null || !(obj instanceof MyAppState))
            return false;

        MyAppState other = (MyAppState)obj;

        if (kept != other.kept)
            return false;

        return super.equals(other);
    }

    public boolean getKept()
    {
        return kept;
    }

    public void setKept(boolean value)
    {
        kept = value;
    }


    private boolean kept;
}
```

Finally, override the createState, saveState and restoreState methods in the custom appointment class:

Java

```
@Override
protected ItemState createState()
{
    return new MyAppState();
}

@Override
```

```
protected ItemState saveState()
{
    MyAppState state = (MyAppState)super.saveState();
    state.setKept(this.getKept());
    return state;
}

@Override
protected void restoreState(ItemState state)
{
    MyAppState myState = (MyAppState)state;
    this.setKept(myState.getKept());
    super.restoreState(state);
}
```

Reference

com.mindfusion.common Namespace

AlignConverter Class

Syntax

Java
`public class AlignConverter implements CanConvert`

Inheritance Hierarchy

java.lang.Object
com.mindfusion.common.AlignConverter

See Also

AlignConverter Members
com.mindfusion.common Namespace

AlignConverter Members

The following tables list the members exposed by the AlignConverter type.

Public Constructors

	Name	Description
	AlignConverter	

Public Methods

	Name	Description

	canConvert	
S	convert	

See Also

AlignConverter Class
com.mindfusion.common Namespace

AlignConverter Constructor

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public AlignConverter ()
```

See Also

AlignConverter Class
com.mindfusion.common Namespace

AlignConverter Methods

AlignConverter.canConvert Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public boolean canConvert (
    String value
)
```

Parameters

value

Return Value

See Also

AlignConverter Members
AlignConverter Class
com.mindfusion.common Namespace

AlignConverter.convert Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static int convert (
    String value
)
```

Parameters

value

Return Value

See Also

AlignConverter Members
AlignConverter Class
com.mindfusion.common Namespace

ArrayIterable(T) Class

Defines an Iterable on a two-dimensional array of type T.

Syntax

Java

```
public class ArrayIterable<T> implements Iterable<T>
```

Inheritance Hierarchy

java.lang.Object
com.mindfusion.common.ArrayIterable(T)

See Also

ArrayIterable(T) Members
com.mindfusion.common Namespace

ArrayIterable(T) Members

Defines an Iterable on a two-dimensional array of type T.

The following tables list the members exposed by the ArrayIterable(T) type.

Public Constructors

	Name	Description

	ArrayIterable	

Public Methods

	Name	Description
	iterator	Iterable.iterator implementation.

See Also

ArrayIterable(T) Class
com.mindfusion.common Namespace

ArrayIterable(T) Constructor

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public ArrayIterable (
    T[][] array
)
```

Parameters

array

See Also

ArrayIterable(T) Class
com.mindfusion.common Namespace

ArrayIterable(T) Methods

ArrayIterable(T).iterator Method

Iterable.iterator implementation.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Iterator<T> iterator ()
```

Return Value

See Also

ArrayIterable(T) Members
ArrayIterable(T) Class
com.mindfusion.common Namespace

BaseList(E) Class

Represents a generic list with modification notifications.

Syntax

Java
`public abstract class BaseList<E> extends AbstractList<E> implements Externalizable`

Inheritance Hierarchy

java.lang.Object
  java.util.AbstractCollection(E)
    java.util.AbstractList(E)
      com.mindfusion.common.BaseList(E)
        com.mindfusion.scheduling.DateList
        com.mindfusion.scheduling.DateStyleList
        com.mindfusion.scheduling.DayOfWeekStyleList
        com.mindfusion.scheduling.ImageList
        com.mindfusion.scheduling.SchedulingItemList
        com.mindfusion.scheduling.model.ItemList
        com.mindfusion.scheduling.model.ResourceList(R)
        com.mindfusion.drawing.PointList

See Also

BaseList(E) Members
com.mindfusion.common Namespace

BaseList(E) Members

Represents a generic list with modification notifications.

The following tables list the members exposed by the BaseList(E) type.

Protected Constructors

	Name	Description
	BaseList	Overloaded.

Public Methods

	Name	Description
	add	Overloaded.
	addBaseListListener	Adds a BaseListListener to the list.
	clear	Removes all elements from the list.

	first	Gets the first element of this list.
	get	Returns the element at the specified position in the list.
	last	Gets the last element of this list.
	readExternal	
	remove	Overloaded.
	removeBaseListListener	Removes the specified **BaseListListener** from the list.
	set	Replaces the element at the specified position in this list with the specified element.
	size	Returns the number of elements in the list.
	writeExternal	

See Also

BaseList(E) Class
com.mindfusion.common Namespace

BaseList(E) Constructor

Overload List

Name	Description
BaseList(E) ()	Initializes a new instance of the BaseList class.
BaseList(E) (Collection(E))	Initializes a new instance of the **BaseList** class.
BaseList(E) (Int32)	Initializes a new instance of the **BaseList** class.

See Also

BaseList(E) Class
com.mindfusion.common Namespace

BaseList(E) Constructor ()

Initializes a new instance of the BaseList class.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`protected BaseList ()`

See Also

BaseList(E) Constructor Overload List
BaseList(E) Class
com.mindfusion.common Namespace

BaseList(E) Constructor (Collection(E))

Initializes a new instance of the BaseList class.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
protected BaseList (
    Collection<E> c
)
```

Parameters

c

See Also

BaseList(E) Constructor Overload List
BaseList(E) Class
com.mindfusion.common Namespace

BaseList(E) Constructor (Int32)

Initializes a new instance of the BaseList class.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
protected BaseList (
    int capacity
)
```

Parameters

capacity

See Also

BaseList(E) Constructor Overload List
BaseList(E) Class
com.mindfusion.common Namespace

BaseList(E) Methods

BaseList(E).add Method

Overload List

Name	Description
BaseList(E).add (E)	Adds the specified element to the list.
BaseList(E).add (Int32, E)	Inserts the specified element at the specified position within the list.

See Also

BaseList(E) Members
BaseList(E) Class
com.mindfusion.common Namespace

BaseList(E).add Method (E)

Adds the specified element to the list.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public boolean add (
    E e
)
```

Parameters

e
An element to be added to the list.

Return Value

This method always returns true.

See Also

add Method Overload List
BaseList(E) Members
BaseList(E) Class
com.mindfusion.common Namespace

BaseList(E).add Method (Int32, E)

Inserts the specified element at the specified position within the list.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void add (
    int index,
    E e
)
```

Parameters

index
The zero-based index at which the element must be inserted.

e
An element to be added to the list.

See Also

add Method Overload List
BaseList(E) Members
BaseList(E) Class
com.mindfusion.common Namespace

BaseList(E).addBaseListListener Method

Adds a BaseListListener to the list.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void addBaseListListener (
    BaseListListener<E> listener
)
```

Parameters

listener
The BaseListListener to be added.

See Also

BaseList(E) Members
BaseList(E) Class
com.mindfusion.common Namespace

BaseList(E).clear Method

Removes all elements from the list.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public void clear ()
```

See Also

BaseList(E) Members
BaseList(E) Class
com.mindfusion.common Namespace

BaseList(E).first Method

Gets the first element of this list.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public E first ()
```

Return Value

See Also

BaseList(E) Members
BaseList(E) Class
com.mindfusion.common Namespace

BaseList(E).get Method

Returns the element at the specified position in the list.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public E get (
    int index
)
```

Parameters

index
The 0-based index of the element to get.

Return Value

The element at the specified index.

See Also

BaseList(E) Members
BaseList(E) Class
com.mindfusion.common Namespace

BaseList(E).last Method

Gets the last element of this list.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public E last ()
```

Return Value

See Also

BaseList(E) Members
BaseList(E) Class
com.mindfusion.common Namespace

BaseList(E).readExternal Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void readExternal (
    ObjectInput in
)
```

Parameters

in

See Also

BaseList(E) Members
BaseList(E) Class
com.mindfusion.common Namespace

BaseList(E).remove Method

Overload List

Name	Description
BaseList(E).remove (Int32)	Removes the first occurrence of the specified element from this list.
BaseList(E).remove (Object)	Removes the first occurrence of the specified element from this list.

See Also

BaseList(E) Members
BaseList(E) Class
com.mindfusion.common Namespace

BaseList(E).remove Method (Int32)

Removes the first occurrence of the specified element from this list.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public E remove (
    int index
)
```

Parameters

index
An element which must be removed from the list.

Return Value

The removed element.

See Also

remove Method Overload List
BaseList(E) Members
BaseList(E) Class
com.mindfusion.common Namespace

BaseList(E).remove Method (Object)

Removes the first occurrence of the specified element from this list.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public boolean remove (
    Object o
)
```

Parameters

o
An element which must be removed from the list.

Return Value

true if the specified element is removed from the list; false, if the element was not found in the list.

See Also

remove Method Overload List
BaseList(E) Members
BaseList(E) Class
com.mindfusion.common Namespace

BaseList(E).removeBaseListListener Method

Removes the specified BaseListListener from the list.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public void removeBaseListListener (
    BaseListListener<E> listener
)
```

Parameters

listener
The listener to be removed.

See Also

BaseList(E) Members
BaseList(E) Class
com.mindfusion.common Namespace

BaseList(E).set Method

Replaces the element at the specified position in this list with the specified element.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public E set (
    int index,
    E e
)
```

Parameters

index
The 0-based index of the element to set.

e
The new element at the specified position.

Return Value

Returns the element previously at the specified position.

See Also

BaseList(E) Members
BaseList(E) Class
com.mindfusion.common Namespace

BaseList(E).size Method

Returns the number of elements in the list.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public int size ()
```

Return Value

An integer value.

See Also

BaseList(E) Members
BaseList(E) Class
com.mindfusion.common Namespace

BaseList(E).writeExternal Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

`public void writeExternal (`
`    ObjectOutput out`
`)`

Parameters

out

See Also

BaseList(E) Members
BaseList(E) Class
com.mindfusion.common Namespace

BaseListAdapter(E) Class

Provides empty implementations for the methods defined in the BaseListListener interface.

Syntax

Java
`public class BaseListAdapter<E> implements BaseListListener<E>`

Inheritance Hierarchy

java.lang.Object
com.mindfusion.common.BaseListAdapter(E)

See Also

BaseListAdapter(E) Members
com.mindfusion.common Namespace

BaseListAdapter(E) Members

Provides empty implementations for the methods defined in the BaseListListener interface.

The following tables list the members exposed by the BaseListAdapter(E) type.

Public Constructors

	Name	Description
	BaseListAdapter	

Public Methods

	Name	Description
	itemAdded	BaseListListener.itemAdded implementation.
	listChanged	BaseListListener.listChanged implementation.

See Also

BaseListAdapter(E) Class
com.mindfusion.common Namespace

BaseListAdapter(E) Constructor

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public BaseListAdapter ()
```

See Also

BaseListAdapter(E) Class
com.mindfusion.common Namespace

BaseListAdapter(E) Methods

BaseListAdapter(E).itemAdded Method

BaseListListener.itemAdded implementation.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void itemAdded (
    ListItemEvent<E> e
)
```

Parameters

e

See Also

BaseListAdapter(E) Members
BaseListAdapter(E) Class
com.mindfusion.common Namespace

BaseListAdapter(E).listChanged Method

BaseListListener.listChanged implementation.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public void listChanged (
    ListChangedEvent<E> e
)
```

Parameters

e

See Also

BaseListAdapter(E) Members
BaseListAdapter(E) Class
com.mindfusion.common Namespace

BaseListListener(E) Interface

Defines the events raised by the BaseList class.

Syntax

```
Java
public interface BaseListListener<E> extends EventListener
```

Inheritors

com.mindfusion.common.BaseListAdapter(E)

See Also

BaseListListener(E) Members
com.mindfusion.common Namespace

BaseListListener(E) Members

Defines the events raised by the BaseList class.

The following tables list the members exposed by the BaseListListener(E) type.

Public Methods

	Name	Description
	itemAdded	Invoked when an item is added to the list.
	listChanged	Invoked when the list is changed.

See Also

BaseListListener(E) Methods

BaseListListener(E).itemAdded Method

Invoked when an item is added to the list.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
void itemAdded (
    ListItemEvent<E> e
)
```

Parameters

e
A ListItemEvent object.

See Also

BaseListListener(E) Members
BaseListListener(E) Interface
com.mindfusion.common Namespace

BaseListListener(E).listChanged Method

Invoked when the list is changed.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
void listChanged (
    ListChangedEvent<E> e
)
```

Parameters

e
A ListChangedEvent object.

See Also

BaseListListener(E) Members
BaseListListener(E) Interface
com.mindfusion.common Namespace

BitMask Interface

Syntax

Java
`public interface BitMask`

See Also

BitMask Members
com.mindfusion.common Namespace

BitMask Members

The following tables list the members exposed by the BitMask type.

Public Methods

	Name	Description
	get	Method returns a EnumSet from given BitMask value.
	set	Method returns int representing the BitMask value from given EnumSet

See Also

BitMask Interface
com.mindfusion.common Namespace

BitMask Methods

BitMask.get(T) Method

Method returns a EnumSet from given BitMask value.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
<T> EnumSet<T> get (
    int id,
    Class<T> instance
)
```

Parameters

id
represents bit value

instance
a Class to detect concrete type of Enum.

Return Value

EnumSet of Enum or Empty set if BitMask value & Power of 2 equals Zero.

See Also

BitMask Members
BitMask Interface
com.mindfusion.common Namespace

BitMask.set(T) Method

Method returns int representing the BitMask value from given EnumSet

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
<T> int set (
    EnumSet<T> values,
    Class<T> instance
)
```

Parameters

values
A EnumSet that is converted to BitMask value

instance
a Class to detect concrete type of Enum.

Return Value

BitMask value.

See Also

BitMask Members
BitMask Interface
com.mindfusion.common Namespace

ByRef(T) Class

Allows using "by reference" value type parameters.

Syntax

Java

```
public class ByRef<T>
```

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.common.ByRef(T)

See Also

ByRef(T) Members
com.mindfusion.common Namespace

ByRef(T) Members

Allows using "by reference" value type parameters.

The following tables list the members exposed by the ByRef(T) type.

Public Constructors

	Name	Description
	ByRef	Overloaded.

Public Methods

	Name	Description
	get	Gets the parameter value.
	set	Sets the parameter value.

See Also

ByRef(T) Class
com.mindfusion.common Namespace

ByRef(T) Constructor

Overload List

Name	Description
ByRef(T) ()	Initializes a new ByRef instance.
ByRef(T) (T)	Initializes a new **ByRef** instance.

See Also

ByRef(T) Class
com.mindfusion.common Namespace

ByRef(T) Constructor ()

Initializes a new ByRef instance.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public ByRef ()
```

See Also

ByRef(T) Constructor Overload List
ByRef(T) Class
com.mindfusion.common Namespace

ByRef(T) Constructor (T)

Initializes a new ByRef instance.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public ByRef (
    T value
)
```

Parameters

value
The initial parameter value.

See Also

ByRef(T) Constructor Overload List
ByRef(T) Class
com.mindfusion.common Namespace

ByRef(T) Methods

ByRef(T).get Method

Gets the parameter value.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public T get ()
```

Return Value

The value returned through this parameter.

See Also

ByRef(T) Members
ByRef(T) Class
com.mindfusion.common Namespace

ByRef(T).set Method

Sets the parameter value.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public T set (
    T value
)
```

Parameters

value
The new parameter value.

Return Value

See Also

ByRef(T) Members
ByRef(T) Class
com.mindfusion.common Namespace

CanConvert Interface

Syntax

Java

```
public interface CanConvert
```

Inheritors

com.mindfusion.common.AlignConverter
com.mindfusion.common.ColorConverter
com.mindfusion.common.OrientationConverter

See Also

CanConvert Members
com.mindfusion.common Namespace

CanConvert Members

The following tables list the members exposed by the CanConvert type.

Public Methods

	Name	Description
	canConvert	

See Also

CanConvert Interface
com.mindfusion.common Namespace

CanConvert Methods

CanConvert.canConvert Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
boolean canConvert (
    String value
)
```

Parameters

value

Return Value

See Also

CanConvert Members
CanConvert Interface
com.mindfusion.common Namespace

Category Interface

Specifies the name of a category in which to group annotated property when displayed in a property grid.

Syntax

Java
`public interface Category extends Annotation`

See Also

Category Members
com.mindfusion.common Namespace

Category Members

Specifies the name of a category in which to group annotated property when displayed in a property grid.

The following tables list the members exposed by the Category type.

See Also

Category Interface
com.mindfusion.common Namespace

ChangeListener Interface

Defines the events raised when an object is changed.

Syntax

Java
`public interface ChangeListener extends EventListener`

Inheritors

com.mindfusion.scheduling.model.ScheduleListener

See Also

ChangeListener Members
com.mindfusion.common Namespace

ChangeListener Members

Defines the events raised when an object is changed.

The following tables list the members exposed by the ChangeListener type.

Public Methods

	Name	Description
	changed	Invoked when the object is changed.

See Also

ChangeListener Interface
com.mindfusion.common Namespace

ChangeListener Methods

ChangeListener.changed Method

Invoked when the object is changed.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
void changed (
    EventObject e
)
```

Parameters

e
An EventObject object.

See Also

ChangeListener Members
ChangeListener Interface
com.mindfusion.common Namespace

Collections Class

Provides utility methods for processing collections.

Syntax

Java

```
public class Collections
```

Inheritance Hierarchy

java.lang.Object
com.mindfusion.common.Collections

See Also

Collections Members
com.mindfusion.common Namespace

Collections Members

Provides utility methods for processing collections.

The following tables list the members exposed by the Collections type.

Public Constructors

	Name	Description
	Collections	

Public Methods

	Name	Description
	reverse	Reverses the specified ArrayList.

See Also

Collections Class
com.mindfusion.common Namespace

Collections Constructor

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public Collections ()
```

See Also

Collections Class
com.mindfusion.common Namespace

Collections Methods

Collections.reverse(E) Method

Reverses the specified ArrayList.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public static <E> void reverse (
    ArrayList<E> c,
```

```
    int index,
    int count
)
```

Parameters

c

index

count

See Also

Collections Members
Collections Class
com.mindfusion.common Namespace

ColorConverter Class

Syntax

Java
`public class ColorConverter implements CanConvert`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.common.ColorConverter

See Also

ColorConverter Members
com.mindfusion.common Namespace

ColorConverter Members

The following tables list the members exposed by the ColorConverter type.

Public Constructors

	Name	Description
	ColorConverter	

Public Methods

	Name	Description
	canConvert	
S	convert	

	convertFrom	
	getColorFromName	

See Also

ColorConverter Class
com.mindfusion.common Namespace

ColorConverter Constructor

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public ColorConverter ()
```

See Also

ColorConverter Class
com.mindfusion.common Namespace

ColorConverter Methods

ColorConverter.canConvert Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public boolean canConvert (
    String value
)
```

Parameters

value

Return Value

See Also

ColorConverter Members
ColorConverter Class
com.mindfusion.common Namespace

ColorConverter.convert Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Color convert (
    String name
)
```

Parameters

name

Return Value

See Also

ColorConverter Members
ColorConverter Class
com.mindfusion.common Namespace

ColorConverter.convertFrom Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Color convertFrom (
    Object value
)
```

Parameters

value

Return Value

See Also

ColorConverter Members
ColorConverter Class
com.mindfusion.common Namespace

ColorConverter.getColorFromName Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

`public static Color getColorFromName (`
`  String name`
`)`

Parameters

name

Return Value

See Also

ColorConverter Members
ColorConverter Class
com.mindfusion.common Namespace

CommonUtils Class

Syntax

Java
`public class CommonUtils`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.common.CommonUtils

See Also

CommonUtils Members
com.mindfusion.common Namespace

CommonUtils Members

The following tables list the members exposed by the CommonUtils type.

Public Constructors

	Name	Description
	CommonUtils	

Public Methods

	Name	Description

	add	Overloaded.
	addAll	
	addDirectoryToZip	
	areClose	
	arrayMultiplication	
	cartesianToPolar	
	checkIntersect	Checks if the specified rectangle and circle intersect.
	clone	Overloaded.
	colorFromHtml	
	concat	Joins array elements using the specified delimiter.
	convertRect	
	deviceToDoc	
	distance	
	distToLineSegment	Calculates distance from the specified point to the specified line segment.
	distToRectPoint	Returns the nearest to pt point that lies on the outline of rectangle.
	docToDevice	
	filter	Overloaded.
	findValidateRoot	Returns the ancestor component that acts as validate root
	flatten	Overloaded.
	fromLTRB	Overloaded.
	getInvariantLocale	
	getIterableSize	
	getLength	Overloaded.
	getLocation	
	getMidColor	
	getScreenResolution	Returns the screen resolution in dots-per-inch. Checks up the availability of the Headless mode.
	getSize	
	indexOf	Overloaded.
	isFalse	
	isTrue	
	lineIntersect	Calculates the intersection point of endless lines (pA, pB) and (pC, pD)

	lineIntersectHorizontal	Finds the x coordinate of the intersection point of the horizontal line at y and the line defined by points pA and pB. If the lines do not intersect, result is undefined.
	lineIntersectVertical	Finds the y coordinate of the intersection point of the vertical line at x and the line defined by points pA and pB. If the lines do not intersect, result is undefined.
	minDistToRect	Calculates the minimum distance between a given point and a given rectangle.
	nc	Performs a null-coalescing of the specified arguments.
	newPoint2D	Overloaded.
	newPointDouble	Overloaded.
	newPointFloat	Overloaded.
	newRectangle2D	
	newRectangleDouble	Overloaded.
	newRectangleFloat	Overloaded.
	normalizeRect	
	parse	Parses space separated numbers into Point2D
	polarToCartesian	
	rad	
	readFileAsString	
	resize	
	revalidateSynced	Performs synchronized revalidation to ensure that layout is up to date after this method returns.
	set	Overloaded.
	setHeight	
	setLocation	
	setWidth	
	setX	Overloaded.
	setY	Overloaded.
	subtract	Subtract the coordinates of one point from the coordinates of another
	toTitleCase	
	translate	
	translateX	Overloaded.
	translateY	Overloaded.
	unzip	

	withOpacity	
	writeStringToFile	
	zipDirectory	

See Also

CommonUtils Class
com.mindfusion.common Namespace

CommonUtils Constructor

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public CommonUtils ()`

See Also

CommonUtils Class
com.mindfusion.common Namespace

CommonUtils Methods

CommonUtils.add Method

Overload List

Name	Description
CommonUtils.add(T) (T, Double, Double)	
CommonUtils.add(T) (T, Point2D)	Add (translate) the coordinates of one point with the coordinates of another

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.add(T) Method (T, Double, Double)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static <T> T add (
    T changed,
    double addX,
    double addY
)
```

Parameters

changed

addX

addY

Return Value

See Also

add Method Overload List
CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.add(T) Method (T, Point2D)

Add (translate) the coordinates of one point with the coordinates of another

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static <T> T add (
    T changed,
    Point2D changeVector
)
```

Parameters

changed

changeVector

Return Value

the first parameter which holds the result

See Also

add Method Overload List
CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.addAll(T) Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static <T> void addAll (
    Collection<T> target,
    Iterable<T> items
)
```

Parameters

target

items

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.addDirectoryToZip Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static void addDirectoryToZip (
    String source,
    ZipOutputStream out,
    String parent
)
```

Parameters

source

out

parent

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.areClose Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java

public static boolean areClose (
    float a,
    float b
)
```

Parameters

a

b

Return Value

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.arrayMultiplication Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java

public static float[] arrayMultiplication (
    float[] array,
    float value
)
```

Parameters

array

value

Return Value

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.cartesianToPolar Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public static void cartesianToPolar (
    Point2D coordCenter,
    Point2D point,
    Point2D result
)
```

Parameters

coordCenter

point

result

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.checkIntersect Method

Checks if the specified rectangle and circle intersect.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public static boolean checkIntersect (
    Point2D pt,
    Rectangle2D rc,
    float rad
)
```

Parameters

pt

rc

rad

Return Value

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.clone Method

Overload List

Name	Description
CommonUtils.clone(T) (T)	
CommonUtils.clone(T) (T)	

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.clone(T) Method (T)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static <T> T clone (
    T point
)
```

Parameters

point

Return Value

See Also

clone Method Overload List
CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.clone(T) Method (T)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static <T> T clone (
    T point
)
```

Parameters

point

Return Value

See Also

clone Method Overload List
CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.colorFromHtml Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Color colorFromHtml (
    String htmlColor
)
```

Parameters

htmlColor

Return Value

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.concat Method

Joins array elements using the specified delimiter.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static String concat (
    String delimiter,
    Object[] objs
)
```

Parameters

delimiter

A character inserted between the array elements.

objs
The objects to be joined.

Return Value

A string containing the concatenated string representations of the objects.

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.convertRect(T) Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static <T> T convertRect (
    Rectangle2D rc,
    T dest
)
```

Parameters

rc

dest

Return Value

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.deviceToDoc Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Rectangle2D deviceToDoc (
    Graphics2D g,
    Rectangle r
)
```

Parameters

g

r

Return Value

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.distance Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static double distance (
    Point2D pt1,
    Point2D pt2
)
```

Parameters

pt1

pt2

Return Value

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.distToLineSegment Method

Calculates distance from the specified point to the specified line segment.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static float distToLineSegment (
    Point2D pt,
    Point2D p1,
    Point2D p2
)
```

Parameters

pt

p1

p2

Return Value

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.distToRectPoint Method

Returns the nearest to pt point that lies on the outline of rectangle.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Point2D distToRectPoint (
    Point2D pt,
    Rectangle2D r
)
```

Parameters

pt

r

Return Value

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.docToDevice Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Rectangle docToDevice (
    Graphics2D g,
    Rectangle2D r
)
```

Parameters

g

r

Return Value

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.filter Method

Overload List

Name	Description
CommonUtils.filter(T, D) (Iterable(T), Class(D))	Creates Iterable that iterates only over the subset of the given Iterable that consist of elements of desired type.
CommonUtils.filter(T, D) (Iterator(T), Class(D))	Creates Iterator that iterates only over the subset of the given Iterator that consist of elements of desired type.

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.filter(T, D) Method (Iterable(T), Class(D))

Creates Iterable that iterates only over the subset of the given Iterable that consist of elements of desired type.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static <T, D> Iterable<D> filter (
    Iterable<T> unfiltered,
    Class<D> desiredType
)
```

Parameters

unfiltered
the collection of items that can be of different type.

desiredType
the class of the items in the collection to be returned.

Return Value

An iterator over the collection items of the desired type.

See Also

filter Method Overload List
CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.filter(T, D) Method (Iterator(T), Class(D))

Creates Iterator that iterates only over the subset of the given Iterator that consist of elements of desired type.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static <T, D> Iterator<D> filter (
    Iterator<T> unfiltered,
    Class<D> desiredType
)
```

Parameters

unfiltered
the collection of items that can be of different type.

desiredType
the class of the items in the collection to be returned.

Return Value

An iterator over the collection items of the desired type.

See Also

filter Method Overload List
CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.findValidateRoot Method

Returns the ancestor component that acts as validate root

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

`public static Component findValidateRoot (`
`    JComponent c`
`)`

Parameters

c
A JComponent whose validation root should be returned.

Return Value

A Component that is the validation root of c.

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.flatten Method

Overload List

Name	Description
CommonUtils.flatten (GeneralPath, AffineTransform, Double)	
CommonUtils.flatten (GeneralPath, Double)	

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.flatten Method (GeneralPath, AffineTransform, Double)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

`public static PointList flatten (`
`    GeneralPath path,`
`    AffineTransform t,`
`    double maxDist`
`)`

Parameters

path

t

maxDist

Return Value

See Also

flatten Method Overload List
CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.flatten Method (GeneralPath, Double)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static PointList flatten (
    GeneralPath path,
    double maxDist
)
```

Parameters

path

maxDist

Return Value

See Also

flatten Method Overload List
CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.fromLTRB Method

Overload List

Name	Description
CommonUtils.fromLTRB (Double, Double, Double, Double)	
CommonUtils.fromLTRB (Int32, Int32, Int32, Int32)	

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.fromLTRB Method (Double, Double, Double, Double)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Rectangle2D fromLTRB (
    double l,
    double t,
    double r,
    double b
)
```

Parameters

l

t

r

b

Return Value

See Also

fromLTRB Method Overload List
CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.fromLTRB Method (Int32, Int32, Int32, Int32)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Rectangle fromLTRB (
    int l,
    int t,
    int r,
    int b
)
```

Parameters

l

t

r

b

Return Value

See Also

fromLTRB Method Overload List
CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.getInvariantLocale Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Locale getInvariantLocale ()
```

Return Value

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.getIterableSize Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static int getIterableSize (
    Iterable<?> item
)
```

Parameters

item

Return Value

See Also

CommonUtils.getLength Method

Overload List

Name	Description
CommonUtils.getLength (Double[][], Int32)	Returns the specified dimension of the specified two-dimensional array.
CommonUtils.getLength (Int16[][], Int32)	Returns the specified dimension of the specified two-dimensional array.
CommonUtils.getLength (Int32[][], Int32)	Returns the specified dimension of the specified two-dimensional array.
CommonUtils.getLength (Single[][], Int32)	Returns the specified dimension of the specified two-dimensional array.
CommonUtils.getLength(T) (T[][], Int32)	

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.getLength Method (Double[][], Int32)

Returns the specified dimension of the specified two-dimensional array.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static int getLength (
    double[][] array,
    int dimension
)
```

Parameters

array

dimension

Return Value

See Also

getLength Method Overload List
CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.getLength Method (Int16[][], Int32)

Returns the specified dimension of the specified two-dimensional array.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static int getLength (
    short[][] array,
    int dimension
)
```

Parameters

array

dimension

Return Value

See Also

getLength Method Overload List
CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.getLength Method (Int32[][], Int32)

Returns the specified dimension of the specified two-dimensional array.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static int getLength (
    int[][] array,
    int dimension
)
```

Parameters

array

dimension

Return Value

See Also

getLength Method Overload List
CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.getLength Method (Single[][], Int32)

Returns the specified dimension of the specified two-dimensional array.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static int getLength (
    float[][] array,
    int dimension
)
```

Parameters

array

dimension

Return Value

See Also

getLength Method Overload List
CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.getLength(T) Method (T[][], Int32)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static <T> int getLength (
    T[][] array,
    int dimension
)
```

Parameters

array

dimension

Return Value

See Also

getLength Method Overload List
CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.getLocation Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Point2D getLocation (
    Rectangle2D rect
)
```

Parameters

rect

Return Value

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.getMidColor Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Color getMidColor (
    Color[] colors
)
```

Parameters

colors

Return Value

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.getScreenResolution Method

Returns the screen resolution in dots-per-inch. Checks up the availability of the Headless mode.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static int getScreenResolution ()
```

Return Value

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.getSize Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Dimension2D getSize (
    Rectangle2D rect
)
```

Parameters

rect

Return Value

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.indexOf Method

Overload List

Name	Description
CommonUtils.indexOf (String, String, Locale, Boolean)	
CommonUtils.indexOf(T) (T[], T)	

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.indexOf Method (String, String, Locale, Boolean)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static int indexOf (
    String source,
    String value,
    Locale locale,
    boolean ignoreCase
)
```

Parameters

source

value

locale

ignoreCase

Return Value

See Also

indexOf Method Overload List
CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.indexOf(T) Method (T[], T)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static <T> int indexOf (
    T[] array,
    T element
)
```

Parameters

array

element

Return Value

See Also

indexOf Method Overload List
CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.isFalse Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static boolean isFalse (
    Boolean value
)
```

Parameters

value

Return Value

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.isTrue Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static boolean isTrue (
    Boolean value
```

```
)
```

Parameters

value

Return Value

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.lineIntersect(T) Method

Calculates the intersection point of endless lines (pA, pB) and (pC, pD)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static <T> boolean lineIntersect (
    Point2D pA,
    Point2D pB,
    Point2D pC,
    Point2D pD,
    Point2D result
)
```

Parameters

pA

pB

pC

pD

result
the point that will receive the result if the lines intersect

Return Value

true if the lines intersect

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.lineIntersectHorizontal Method

Finds the x coordinate of the intersection point of the horizontal line at y and the line defined by points pA and pB. If the lines do not intersect, result is undefined.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public static double lineIntersectHorizontal (
    double y,
    Point2D pA,
    Point2D pB
)
```

Parameters

y

pA

pB

Return Value

The intersection point x coordinate.

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.lineIntersectVertical Method

Finds the y coordinate of the intersection point of the vertical line at x and the line defined by points pA and pB. If the lines do not intersect, result is undefined.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public static double lineIntersectVertical (
    double x,
    Point2D pA,
    Point2D pB
)
```

Parameters

x

pA

pB

Return Value

The intersection point y coordinate.

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.minDistToRect Method

Calculates the minimum distance between a given point and a given rectangle.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static double minDistToRect (
    Point2D pt,
    Rectangle2D rc
)
```

Parameters

pt

rc

Return Value

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.nc(T, S1, S2) Method

Performs a null-coalescing of the specified arguments.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static <T, S1, S2> T nc (
    S1 s1,
    S2 s2
)
```

Parameters

s1

s2

Return Value

See Also

CommonUtils.newPoint2D Method

Overload List

Name	Description
CommonUtils.newPoint2D (Double, Double)	
CommonUtils.newPoint2D (Point2D)	

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.newPoint2D Method (Double, Double)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Point2D newPoint2D (
    double x,
    double y
)
```

Parameters

x

y

Return Value

See Also

newPoint2D Method Overload List
CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.newPoint2D Method (Point2D)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

`public static Point2D newPoint2D (`
`  Point2D point`
`)`

Parameters

point

Return Value

See Also

newPoint2D Method Overload List
CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.newPointDouble Method

Overload List

Name	Description
CommonUtils.newPointDouble (Double, Double)	
CommonUtils.newPointDouble (Point2D)	

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.newPointDouble Method (Double, Double)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

`public static Point2D.Double newPointDouble (`
`  double x,`
`  double y`
`)`

Parameters

x

y

Return Value

See Also

newPointDouble Method Overload List
CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.newPointDouble Method (Point2D)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Point2D.Double newPointDouble (
    Point2D point
)
```

Parameters

point

Return Value

See Also

newPointDouble Method Overload List
CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.newPointFloat Method

Overload List

Name	Description
CommonUtils.newPointFloat ()	
CommonUtils.newPointFloat (Double, Double)	
CommonUtils.newPointFloat (Point2D)	

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.newPointFloat Method ()

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Point2D.Float newPointFloat ()
```

Return Value

See Also

newPointFloat Method Overload List
CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.newPointFloat Method (Double, Double)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Point2D.Float newPointFloat (
    double x,
    double y
)
```

Parameters

x

y

Return Value

See Also

newPointFloat Method Overload List
CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.newPointFloat Method (Point2D)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public static Point2D.Float newPointFloat (
    Point2D point
)
```

Parameters

point

Return Value

See Also

newPointFloat Method Overload List
CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.newRectangle2D Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public static Rectangle2D newRectangle2D (
    double x,
    double y,
    double width,
    double height
)
```

Parameters

x

y

width

height

Return Value

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.newRectangleDouble Method

Overload List

Name	Description
CommonUtils.newRectangleDouble (Double, Double, Double, Double)	
CommonUtils.newRectangleDouble (Rectangle2D)	

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.newRectangleDouble Method (Double, Double, Double, Double)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Rectangle2D.Double newRectangleDouble (
    double x,
    double y,
    double width,
    double height
)
```

Parameters

x

y

width

height

Return Value

See Also

newRectangleDouble Method Overload List
CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.newRectangleDouble Method (Rectangle2D)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

`public static Rectangle2D.Double newRectangleDouble (`
`  Rectangle2D rc`
`)`

Parameters

rc

Return Value

See Also

newRectangleDouble Method Overload List
CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.newRectangleFloat Method

Overload List

Name	Description
CommonUtils.newRectangleFloat (Double, Double, Double, Double)	
CommonUtils.newRectangleFloat (Rectangle2D)	

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.newRectangleFloat Method (Double, Double, Double, Double)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

`public static Rectangle2D.Float newRectangleFloat (`
`  double x,`
`  double y,`

```
    double width,
    double height
)
```

Parameters

x

y

width

height

Return Value

See Also

newRectangleFloat Method Overload List
CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.newRectangleFloat Method (Rectangle2D)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Rectangle2D.Float newRectangleFloat (
    Rectangle2D rc
)
```

Parameters

rc

Return Value

See Also

newRectangleFloat Method Overload List
CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.normalizeRect Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Rectangle2D normalizeRect (
    Rectangle2D rc
)
```

Parameters

rc

Return Value

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.parse Method

Parses space separated numbers into Point2D

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static boolean parse (
    String pair,
    Point2D dest
)
```

Parameters

pair
A string representation of the point coordinates.

dest
A Point2D object to which the parsed values are assigned.

Return Value

true if the string has been parsed successfully, otherwise false.

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.polarToCartesian Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static void polarToCartesian (
    Point2D coordCenter,
    double a,
    double r,
    Point2D point
)
```

Parameters

coordCenter

a

r

point

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.rad Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static double rad (
    double degree
)
```

Parameters

degree

Return Value

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.readFileAsString Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static String readFileAsString (
    String filePath
)
```

Parameters

filePath

Return Value

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.resize(T) Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static <T> T resize (
    T changed,
    double width,
    double height
)
```

Parameters

changed

width

height

Return Value

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.revalidateSynced Method

Performs synchronized revalidation to ensure that layout is up to date after this method returns.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static void revalidateSynced (
    JComponent comp
)
```

Parameters

comp

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.set Method

Overload List

Name	Description
CommonUtils.set(T) (T, Double, Double)	
CommonUtils.set(T) (T, Double, Double)	
CommonUtils.set(T) (T, Double, Double, Double, Double)	
CommonUtils.set(T) (T, Rectangle2D)	

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.set(T) Method (T, Double, Double)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static <T> T set (
    T changed,
    double x,
    double y
)
```

Parameters

changed

x

y

Return Value

See Also

set Method Overload List
CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.set(T) Method (T, Double, Double)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static <T> T set (
    T changed,
    double x,
    double y
)
```

Parameters

changed

x

y

Return Value

See Also

set Method Overload List
CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.set(T) Method (T, Double, Double, Double, Double)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static <T> T set (
    T changed,
    double x,
    double y,
```

```
    double width,
    double height
)
```

Parameters

changed

x

y

width

height

Return Value

See Also

set Method Overload List
CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.set(T) Method (T, Rectangle2D)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static <T> T set (
    T changed,
    Rectangle2D src
)
```

Parameters

changed

src

Return Value

See Also

set Method Overload List
CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.setHeight(T) Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public static <T> T setHeight (
    T changed,
    double height
)
```

Parameters

changed

height

Return Value

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.setLocation(T) Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public static <T> T setLocation (
    T changed,
    Rectangle2D src
)
```

Parameters

changed

src

Return Value

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.setWidth(T) Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

`public static <T> T setWidth (`
`  T changed,`
`  double width`
`)`

Parameters

changed

width

Return Value

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.setX Method

Overload List

Name	Description
CommonUtils.setX(T) (T, Double)	
CommonUtils.setX(T) (T, Double)	

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.setX(T) Method (T, Double)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

`public static <T> T setX (`
`  T changed,`
`  double x`
`)`

Parameters

changed

x

Return Value

See Also

setX Method Overload List
CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.setX(T) Method (T, Double)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static <T> T setX (
    T changed,
    double x
)
```

Parameters

changed

x

Return Value

See Also

setX Method Overload List
CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.setY Method

Overload List

Name	Description
CommonUtils.setY(T) (T, Double)	
CommonUtils.setY(T) (T, Double)	

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.setY(T) Method (T, Double)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static <T> T setY (
    T changed,
    double y
)
```

Parameters

changed

y

Return Value

See Also

setY Method Overload List
CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.setY(T) Method (T, Double)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static <T> T setY (
    T changed,
    double y
)
```

Parameters

changed

y

Return Value

See Also

setY Method Overload List
CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.subtract Method

Subtract the coordinates of one point from the coordinates of another

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Point subtract (
    Point changed,
    Point changeVector
)
```

Parameters

changed

changeVector

Return Value

the first parameter which holds the result

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.toTitleCase Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static String toTitleCase (
    Locale locale,
    String source
)
```

Parameters

locale

source

Return Value

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.translate(T) Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static <T> T translate (
    T changed,
    double addX,
    double addY
)
```

Parameters

changed

addX

addY

Return Value

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.translateX Method

Overload List

Name	Description
CommonUtils.translateX(T) (T, Double)	
CommonUtils.translateX(T) (T, Double)	

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.translateX(T) Method (T, Double)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static <T> T translateX (
    T changed,
    double addX
)
```

Parameters

changed

addX

Return Value

See Also

translateX Method Overload List
CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.translateX(T) Method (T, Double)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static <T> T translateX (
    T changed,
    double addX
)
```

Parameters

changed

addX

Return Value

See Also

translateX Method Overload List
CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.translateY Method

Overload List

Name	Description
CommonUtils.translateY(T) (T, Double)	

CommonUtils.translateY(T) (T, Double)	

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.translateY(T) Method (T, Double)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static <T> T translateY (
    T changed,
    double addY
)
```

Parameters

changed

addY

Return Value

See Also

translateY Method Overload List
CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.translateY(T) Method (T, Double)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static <T> T translateY (
    T changed,
    double addY
)
```

Parameters

changed

addY

Return Value

See Also

translateY Method Overload List
CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.unzip Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static byte[] unzip (
    byte[] bytes
)
```

Parameters

bytes

Return Value

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.withOpacity Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Color withOpacity (
    Color color,
    int alpha
)
```

Parameters

color

alpha

Return Value

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.writeStringToFile Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static String writeStringToFile (
    String str,
    String filePath
)
```

Parameters

str

filePath

Return Value

See Also

CommonUtils Members
CommonUtils Class
com.mindfusion.common Namespace

CommonUtils.zipDirectory Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static void zipDirectory (
    String filePath,
    String directory
)
```

Parameters

filePath

directory

See Also

Comparison(T) Interface

Syntax

Java
`public interface Comparison<T>`

Inheritors

com.mindfusion.common.DefaultComparison(T)
com.mindfusion.common.IntegerComparison

See Also

Comparison(T) Members
com.mindfusion.common Namespace

Comparison(T) Members

The following tables list the members exposed by the Comparison(T) type.

Public Methods

	Name	Description
	invoke	

See Also

Comparison(T) Interface
com.mindfusion.common Namespace

Comparison(T) Methods

Comparison(T).invoke Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`int invoke (` `  T x,`

```
    T y
)
```

Parameters

x

y

Return Value

See Also

Comparison(T) Members
Comparison(T) Interface
com.mindfusion.common Namespace

Convert Class

Converts various types to and from string in a locale-independent way.

Syntax

Java
`public class Convert`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.common.Convert

See Also

Convert Members
com.mindfusion.common Namespace

Convert Members

Converts various types to and from string in a locale-independent way.

The following tables list the members exposed by the Convert type.

Public Methods

	Name	Description
	fromBase64String	Converts the specified encoded string to plain text
	fromBoolean	Converts the specified bool value to string.
	fromColor	Overloaded.
	fromDouble	Converts the specified double to string.
	fromImage	Converts the specified image to string.

	fromInt16	Converts the specified short to string.
	fromInt32	Converts the specified int to string.
	fromInt64	Converts the specified long to string.
	fromPointString	Converts the specified comma separated string to a list of PointF objects.
	fromSingle	Converts the specified float to string.
	toBase64String	Converts the specified plainText string to Base64String
	toBoolean	Converts the specified string value to bool.
	toColor	Converts the specified string to Color. The string should be in the format #AARRGGBB.
	toColor1	Converts the specified string to Color. The string should be in the format #AARRGGBB or rgba(0,0,0,0) default value Black
	toDouble	Converts the specified string to double.
	toImage	Converts the specified string value to image.
	toInt16	Converts the specified string to short.
	toInt32	Converts the specified string to int.
	toInt64	Converts the specified string to long.
	toPointString	Converts the list of PointF objects to a comma separated string.
	toSingle	Converts the specified string to float.

See Also

Convert Class
com.mindfusion.common Namespace

Convert Methods

Convert.fromBase64String Method

Converts the specified encoded string to plain text

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static String fromBase64String (
    String base64EncodedData
)
```

Parameters

base64EncodedData
encoded string

Return Value

decoded string

See Also

Convert Members
Convert Class
com.mindfusion.common Namespace

Convert.fromBoolean Method

Converts the specified bool value to string.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static String fromBoolean (
    boolean val
)
```

Parameters

val
The value to convert.

Return Value

A string representing the specified value.

See Also

Convert Members
Convert Class
com.mindfusion.common Namespace

Convert.fromColor Method

Overload List

Name	Description
Convert.fromColor (Color)	Converts the specified Color to string. The resulting string is in the format #AARRGGBB.
Convert.fromColor (Color, Boolean)	Converts the specified Color to string. boolean hex param is a param to indicate whether color has to be converted to Hex value. The Default resulting string is in the format rgba(0,0,0,0).

See Also

Convert Members
Convert Class
com.mindfusion.common Namespace

Convert.fromColor Method (Color)

Converts the specified Color to string. The resulting string is in the format #AARRGGBB.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static String fromColor (
    Color val
)
```

Parameters

val

Return Value

See Also

fromColor Method Overload List
Convert Members
Convert Class
com.mindfusion.common Namespace

Convert.fromColor Method (Color, Boolean)

Converts the specified Color to string. boolean hex param is a param to indicate whether color has to be converted to Hex value. The Default resulting string is in the format rgba(0,0,0,0).

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static String fromColor (
    Color val,
    boolean hex
)
```

Parameters

val

hex

Return Value

See Also

fromColor Method Overload List
Convert Members
Convert Class
com.mindfusion.common Namespace

Convert.fromDouble Method

Converts the specified double to string.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static String fromDouble (
    double val
)
```

Parameters

val

Return Value

See Also

Convert Members
Convert Class
com.mindfusion.common Namespace

Convert.fromImage Method

Converts the specified image to string.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static String fromImage (
    Image val
)
```

Parameters

val
The image object to convert.

Return Value

A string representing the specified value.

See Also

Convert Members
Convert Class
com.mindfusion.common Namespace

Convert.fromInt16 Method

Converts the specified short to string.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static String fromInt16 (
    short val
)
```

Parameters

val

Return Value

See Also

Convert Members
Convert Class
com.mindfusion.common Namespace

Convert.fromInt32 Method

Converts the specified int to string.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static String fromInt32 (
    int val
)
```

Parameters

val

Return Value

See Also

Convert Members
Convert Class
com.mindfusion.common Namespace

Convert.fromInt64 Method

Converts the specified long to string.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static String fromInt64 (
    long val
)
```

Parameters

val

Return Value

See Also

Convert Members
Convert Class
com.mindfusion.common Namespace

Convert.fromPointString Method

Converts the specified comma separated string to a list of PointF objects.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static List<Point2D.Float> fromPointString (
    String s
)
```

Parameters

s
The comma separated string.

Return Value

A list of PointF objects.

See Also

Convert Members
Convert Class
com.mindfusion.common Namespace

Convert.fromSingle Method

Converts the specified float to string.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static String fromSingle (
    float val
)
```

Parameters

val

Return Value

See Also

Convert Members
Convert Class
com.mindfusion.common Namespace

Convert.toBase64String Method

Converts the specified plainText string to Base64String

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static String toBase64String (
    String plainText
)
```

Parameters

plainText
string

Return Value

string

See Also

Convert Members
Convert Class
com.mindfusion.common Namespace

Convert.toBoolean Method

Converts the specified string value to bool.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static boolean toBoolean (
    String s
)
```

Parameters

s
The string value to convert from.

Return Value

A boolean value that is deserialized from the specified string.

See Also

Convert Members
Convert Class
com.mindfusion.common Namespace

Convert.toColor Method

Converts the specified string to Color. The string should be in the format #AARRGGBB.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Color toColor (
    String s
)
```

Parameters

s

Return Value

See Also

Convert Members
Convert Class
com.mindfusion.common Namespace

Convert.toColor1 Method

Converts the specified string to Color. The string should be in the format #AARRGGBB or rgba(0,0,0,0) default value Black

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Color toColor1 (
    String s
)
```

Parameters

s

Return Value

See Also

Convert Members
Convert Class
com.mindfusion.common Namespace

Convert.toDouble Method

Converts the specified string to double.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static double toDouble (
    String s
)
```

Parameters

s

Return Value

See Also

Convert Members
Convert Class
com.mindfusion.common Namespace

Convert.toImage Method

Converts the specified string value to image.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Image toImage (
    String s
)
```

Parameters

s

Return Value

See Also

Convert Members
Convert Class
com.mindfusion.common Namespace

Convert.toInt16 Method

Converts the specified string to short.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static short toInt16 (
    String s
)
```

Parameters

s

Return Value

See Also

Convert Members
Convert Class
com.mindfusion.common Namespace

Convert.toInt32 Method

Converts the specified string to int.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static int toInt32 (
    String s
)
```

Parameters

s

Return Value

See Also

Convert Members
Convert Class
com.mindfusion.common Namespace

Convert.toInt64 Method

Converts the specified string to long.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static long toInt64 (
    String s
)
```

Parameters

s

Return Value

See Also

Convert Members
Convert Class
com.mindfusion.common Namespace

Convert.toPointString Method

Converts the list of PointF objects to a comma separated string.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static String toPointString (
    List<Point2D.Float> points
)
```

Parameters

points
The list of PointF objects to convert.

Return Value

A comma separated string.

See Also

Convert Members
Convert Class
com.mindfusion.common Namespace

Convert.toSingle Method

Converts the specified string to float.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static float toSingle (
    String s
)
```

Parameters

s

Return Value

See Also

Convert Members
Convert Class
com.mindfusion.common Namespace

Convertible Interface

Syntax

Java
`public interface Convertible`

See Also

Convertible Members
com.mindfusion.common Namespace

Convertible Members

The following tables list the members exposed by the Convertible type.

Public Methods

	Name	Description
	toBoolean	Converts the value of this instance to an equivalent boolean value using the specified culture-specific formatting information.
	toByte	Converts the value of this instance to an equivalent byte value using the specified culture-specific formatting information.
	toChar	Converts the value of this instance to an equivalent char value using the specified culture-specific formatting information.
	toDateTime	Converts the value of this instance to an equivalent DateTime value using the specified culture-specific formatting information.
	toDecimal	Converts the value of this instance to an equivalent big integer value using the specified culture-specific formatting information.
	toDouble	Converts the value of this instance to an equivalent double value using the specified culture-specific formatting information.
	toInt	Converts the value of this instance to an equivalent integer value using the specified culture-specific formatting information.
	toLong	Converts the value of this instance to an equivalent long value using the specified culture-specific formatting information.
	toShort	Converts the value of this instance to an equivalent short value using the specified culture-specific formatting information.
	toSingle	Converts the value of this instance to an equivalent float value using the specified culture-specific formatting information.

	toString	Converts the value of this instance to an equivalent string value using the specified culture-specific formatting information.
	toType	Converts the value of this instance to an equivalent value of the specified type using the specified culture-specific formatting information.

See Also

Convertible Interface
com.mindfusion.common Namespace

Convertible Methods

Convertible.toBoolean Method

Converts the value of this instance to an equivalent boolean value using the specified culture-specific formatting information.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
boolean toBoolean (
    Locale locale
)
```

Parameters

locale
An object that supplies culture-specific formatting information.

Return Value

A boolean value equivalent to the value of this instance.

See Also

Convertible Members
Convertible Interface
com.mindfusion.common Namespace

Convertible.toByte Method

Converts the value of this instance to an equivalent byte value using the specified culture-specific formatting information.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
byte toByte (
    Locale locale
)
```

Parameters

locale
An object that supplies culture-specific formatting information.

Return Value

A byte value equivalent to the value of this instance.

See Also

Convertible Members
Convertible Interface
com.mindfusion.common Namespace

Convertible.toChar Method

Converts the value of this instance to an equivalent char value using the specified culture-specific formatting information.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
Character toChar (
    Locale locale
)
```

Parameters

locale
An object that supplies culture-specific formatting information.

Return Value

A char value equivalent to the value of this instance.

See Also

Convertible Members
Convertible Interface
com.mindfusion.common Namespace

Convertible.toDateTime Method

Converts the value of this instance to an equivalent DateTime value using the specified culture-specific formatting information.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
DateTime toDateTime (
    Locale locale
)
```

Parameters

locale
An object that supplies culture-specific formatting information.

Return Value

A DateTime value equivalent to the value of this instance.

See Also

Convertible Members
Convertible Interface
com.mindfusion.common Namespace

Convertible.toDecimal Method

Converts the value of this instance to an equivalent big integer value using the specified culture-specific formatting information.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
BigDecimal toDecimal (
    Locale locale
)
```

Parameters

locale
An object that supplies culture-specific formatting information.

Return Value

A big integer value equivalent to the value of this instance.

See Also

Convertible Members
Convertible Interface
com.mindfusion.common Namespace

Convertible.toDouble Method

Converts the value of this instance to an equivalent double value using the specified culture-specific formatting information.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
double toDouble (
    Locale locale
)
```

Parameters

locale
An object that supplies culture-specific formatting information.

Return Value

A double value equivalent to the value of this instance.

See Also

Convertible Members
Convertible Interface
com.mindfusion.common Namespace

Convertible.toInt Method

Converts the value of this instance to an equivalent integer value using the specified culture-specific formatting information.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
int toInt (
    Locale locale
)
```

Parameters

locale
An object that supplies culture-specific formatting information.

Return Value

An integer value equivalent to the value of this instance.

See Also

Convertible Members
Convertible Interface
com.mindfusion.common Namespace

Convertible.toLong Method

Converts the value of this instance to an equivalent long value using the specified culture-specific formatting information.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
long toLong (
    Locale locale
)
```

Parameters

locale
An object that supplies culture-specific formatting information.

Return Value

A long value equivalent to the value of this instance.

See Also

Convertible Members
Convertible Interface
com.mindfusion.common Namespace

Convertible.toShort Method

Converts the value of this instance to an equivalent short value using the specified culture-specific formatting information.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
short toShort (
    Locale locale
)
```

Parameters

locale
An object that supplies culture-specific formatting information.

Return Value

A short value equivalent to the value of this instance.

See Also

Convertible Members
Convertible Interface
com.mindfusion.common Namespace

Convertible.toSingle Method

Converts the value of this instance to an equivalent float value using the specified culture-specific formatting information.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
float toSingle (
    Locale locale
)
```

Parameters

locale
An object that supplies culture-specific formatting information.

Return Value

A float value equivalent to the value of this instance.

See Also

Convertible Members
Convertible Interface
com.mindfusion.common Namespace

Convertible.toString Method

Converts the value of this instance to an equivalent string value using the specified culture-specific formatting information.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
String toString (
    Locale locale
)
```

Parameters

locale

An object that supplies culture-specific formatting information.

Return Value

A string value equivalent to the value of this instance.

See Also

Convertible Members
Convertible Interface
com.mindfusion.common Namespace

Convertible.toType(T) Method

Converts the value of this instance to an equivalent value of the specified type using the specified culture-specific formatting information.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
<T> Object toType (
    Class<T> conversionType,
    Locale locale
)
```

Parameters

conversionType

locale
An object that supplies culture-specific formatting information.

Return Value

A string value equivalent to the value of this instance.

See Also

Convertible Members
Convertible Interface
com.mindfusion.common Namespace

DateTime Class

Immutable representation of date and time.

Syntax

Java

```
public class DateTime implements Comparable<T>
```

Inheritance Hierarchy

java.lang.Object
com.mindfusion.common.DateTime

See Also

DateTime Members
com.mindfusion.common Namespace

DateTime Members

Immutable representation of date and time.

The following tables list the members exposed by the DateTime type.

Public Constructors

	Name	Description
	DateTime	Overloaded.

Public Fields

	Name	Description
	MaxValue	Represents the largest possible value of **DateTime**.
	MinValue	Represents the smallest possible value of **DateTime**.

Public Methods

	Name	Description
	add	Returns a new **DateTime** that adds the value of the specified Duration to the value of this instance.
	addDays	Overloaded. Returns a new **DateTime** that adds the specified number of days to this instance.
	addHours	Overloaded. Returns a new **DateTime** that adds the specified number of hours to this instance.
	addMilliseconds	Overloaded. Returns a new **DateTime** that adds the specified number of milliseconds to this instance.
	addMinutes	Overloaded. Returns a new **DateTime** that adds the specified number of minutes to this instance.
	addMonths	Overloaded. Returns a new **DateTime** that adds the specified number of months to this instance.
	addSeconds	Overloaded. Returns a new **DateTime** that adds the specified number of seconds to this instance.
	addTicks	Returns a new **DateTime** that adds the specified number of ticks to this instance.
	addYears	Returns a new **DateTime** that adds the specified number of years to this instance.

	clone	Cloneable.clone implementation.
	compareTo	Comparable.compareTo implementation.
S	daysInMonth	Returns the number of days in the specified month and year.
	equals	Object.equals override.
	getDate	Gets the date component of this instance.
	getDay	Gets the day of month component of the date (1-31).
	getDayOfWeek	Gets the day of the week represented by this instance.
	getDayOfYear	Gets the day of the year represented by this instance.
	getHour	Gets the hour component of the date (0-23).
	getMillisecond	Gets the millisecond component of the date (0-999).
	getMinute	Gets the minute component of the date (0-59).
	getMonth	Gets the month component of the date (1-12).
	getSecond	Gets the second component of the date (0-59).
	getTicks	Gets the total number of ticks in this instance.
	getTimeOfDay	Gets the time of the day of this instance.
	getWeekOfYear	Gets the week of the year for the current date.
	getYear	Gets the year component of the date.
	hashCode	Object.hashCode override.
S	isLeapYear	Returns a value indicating whether the specified year is a leap year.
	isLessThan	Determines whether the current **DateTime** is less than the specified **DateTime**.
	isLessThanOrEqual	Determines whether the current **DateTime** is less than or equal to the specified **DateTime**.
	isLocalTime	Gets a value indicating whether the time represented by this instance is a local time.
	isUtcTime	Gets a value indicating whether the time represented by this instance is a UTC time.
	isWeekend	
S	now	Gets a **DateTime** object that is set to the current date and time in the default time zone and locale.
S	op_Addition	Adds a specified time interval to a specified date and time, yielding a new date and time.
S	op_Equality	Determines whether two specified instances of **DateTime** are equal.
S	op_GreaterThan	Determines whether one specified **DateTime** is greater than another specified **DateTime**.

	op_GreaterThanOrEqual	Determines whether one specified **DateTime** is greater than or equal to another specified **DateTime**.
	op_Inequality	Determines whether two specified instances of **DateTime** are not equal.
	op_LessThan	Determines whether one specified **DateTime** is less than another specified **DateTime**.
	op_LessThanOrEqual	Determines whether one specified **DateTime** is less than or equal to another specified **DateTime**.
	op_Subtraction	Overloaded.
	subtract	Overloaded.
	today	Gets a **DateTime** object that represents the current date in the default time one and locale.
	toJavaCalendar	Converts the stored date and time to a **Calendar** object.
	toJavaDateTime	Returns the stored **LocalDateTime** value.
	toLocalTime	Converts the value of the current **DateTime** object to local time.
	toLongDateString	Overloaded.
	toLongTimeString	Overloaded.
	toShortDateString	Overloaded.
	toShortTimeString	Overloaded.
	toString	Overloaded. Converts the value of the current **DateTime** object to its equivalent string representation.
	toUniversalTime	Converts the value of the current **DateTime** object to Coordinated Universal Time (UTC).
	utcNow	Gets a **DateTime** object that is set to the current date and time on this computer, expressed as the Coordinated Universal Time (UTC).

See Also

DateTime Class
com.mindfusion.common Namespace

DateTime Fields

DateTime.MaxValue Field

Represents the largest possible value of DateTime.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public static final DateTime MaxValue`

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.MinValue Field

Represents the smallest possible value of DateTime.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public static final DateTime MinValue`

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime Constructor

Overload List

Name	Description
DateTime (Date)	Initializes a new instance of the DateTime class, representing specified **Date**.
DateTime (Int32, Int32, Int32)	Initializes a new instance of the **DateTime** class with the specified values.
DateTime (Int32, Int32, Int32, Int32, Int32, Int32)	Initializes a new instance of the **DateTime** class with the specified values.
DateTime (Int32, Int32, Int32, Int32, Int32, Int32, Int32)	Initializes a new instance of the **DateTime** class with the specified values.
DateTime (Int64)	Initializes a new instance of the **DateTime** class with the specified number of ticks.
DateTime (LocalDateTime)	Initializes a new instance of the **DateTime** class, storing specified **LocalDateTime**.

See Also

DateTime Constructor (Date)

Initializes a new instance of the DateTime class, representing specified **Date**.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public DateTime (
    Date date
)
```

Parameters

date
A **java.util.Date** instance.

See Also

DateTime Constructor Overload List
DateTime Class
com.mindfusion.common Namespace

DateTime Constructor (Int32, Int32, Int32)

Initializes a new instance of the DateTime class with the specified values.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public DateTime (
    int year,
    int month,
    int day
)
```

Parameters

year
The year component of the new date.

month
The month component of the new date.

day
The day component of the new date.

See Also

DateTime Constructor Overload List
DateTime Class
com.mindfusion.common Namespace

DateTime Constructor (Int32, Int32, Int32, Int32, Int32, Int32)

Initializes a new instance of the DateTime class with the specified values.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public DateTime (
    int year,
    int month,
    int day,
    int hour,
    int minute,
    int second
)
```

Parameters

year
The year component of the new date.

month
The month component of the new date.

day
The day component of the new date.

hour
The hour component of the new date.

minute
The minute component of the new date.

second
The second component of the new date.

See Also

DateTime Constructor Overload List
DateTime Class
com.mindfusion.common Namespace

DateTime Constructor (Int32, Int32, Int32, Int32, Int32, Int32, Int32)

Initializes a new instance of the DateTime class with the specified values.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public DateTime (
    int year,
    int month,
    int day,
    int hour,
    int minute,
    int second,
    int millisecond
)
```

Parameters

year
The year component of the new date.

month
The month component of the new date.

day
The day component of the new date.

hour
The hour component of the new date.

minute
The minute component of the new date.

second
The second component of the new date.

millisecond
The millisecond component of the new date.

See Also

DateTime Constructor Overload List
DateTime Class
com.mindfusion.common Namespace

DateTime Constructor (Int64)

Initializes a new instance of the DateTime class with the specified number of ticks.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public DateTime (
    long ticks
)
```

Parameters

ticks
A date and time expressed in number of 100-nanosecond intervals.

See Also

DateTime Constructor Overload List
DateTime Class
com.mindfusion.common Namespace

DateTime Constructor (LocalDateTime)

Initializes a new instance of the DateTime class, storing specified **LocalDateTime**.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public DateTime (
    LocalDateTime dateTime
)
```

Parameters

dateTime
A **java.time.LocalDateTime** instance specifying date and time.

See Also

DateTime Constructor Overload List
DateTime Class
com.mindfusion.common Namespace

DateTime Methods

DateTime.add Method

Returns a new DateTime that adds the value of the specified Duration to the value of this instance.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public DateTime add (
    Duration value
)
```

Parameters

value
A Duration object that represents a positive or negative time interval.

Return Value

Returns a new DateTime that adds the value of the **Duration** to the value of this instance.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.addDays Method

Returns a new DateTime that adds the specified number of days to this instance.

Overload List

Name	Description
DateTime.addDays (Double)	Returns a new **DateTime** that adds the specified number of days to this instance.
DateTime.addDays (Int64)	Returns a new **DateTime** that adds the specified number of days to this instance.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.addDays Method (Double)

Returns a new DateTime that adds the specified number of days to this instance.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public DateTime addDays (
    double value
)
```

Parameters

value
A number of days. The value parameter can be negative or positive.

Return Value

A DateTime whose value is the sum of the date and time represented by this instance and the number of days represented by value.

See Also

addDays Method Overload List
DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.addDays Method (Int64)

Returns a new DateTime that adds the specified number of days to this instance.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public DateTime addDays (
    long value
)
```

Parameters

value
The number of days to add. The value parameter can be negative or positive.

Return Value

A DateTime whose value is the sum of the date and time represented by this instance and the number of days represented by value.

See Also

addDays Method Overload List
DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.addHours Method

Returns a new DateTime that adds the specified number of hours to this instance.

Overload List

Name	Description
DateTime.addHours (Double)	Returns a new **DateTime** that adds the specified number of hours to this instance.
DateTime.addHours (Int64)	Returns a new **DateTime** that adds the specified number of hours to this instance.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.addHours Method (Double)

Returns a new DateTime that adds the specified number of hours to this instance.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public DateTime addHours (
    double value
)
```

Parameters

value
A number of whole and fractional hours. The value parameter can be negative or positive.

Return Value

A DateTime whose value is the sum of the date and time represented by this instance and the number of hours represented by value.

See Also

addHours Method Overload List
DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.addHours Method (Int64)

Returns a new DateTime that adds the specified number of hours to this instance.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public DateTime addHours (
    long value
)
```

Parameters

value
The number of hours to add. The value parameter can be negative or positive.

Return Value

A DateTime whose value is the sum of the date and time represented by this instance and the number of hours represented by value.

See Also

addHours Method Overload List
DateTime Members

DateTime.addMilliseconds Method

Returns a new DateTime that adds the specified number of milliseconds to this instance.

Overload List

Name	Description
DateTime.addMilliseconds (Double)	Returns a new **DateTime** that adds the specified number of milliseconds to this instance.
DateTime.addMilliseconds (Int64)	Returns a new **DateTime** that adds the specified number of milliseconds to this instance.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.addMilliseconds Method (Double)

Returns a new DateTime that adds the specified number of milliseconds to this instance.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public DateTime addMilliseconds (
    double value
)
```

Parameters

value
A number of whole and fractional milliseconds. The value parameter can be negative or positive. Note that this value is rounded to the nearest integer.

Return Value

A DateTime whose value is the sum of the date and time represented by this instance and the number of milliseconds represented by value.

See Also

addMilliseconds Method Overload List
DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.addMilliseconds Method (Int64)

Returns a new DateTime that adds the specified number of milliseconds to this instance.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public DateTime addMilliseconds (
    long value
)
```

Parameters

value
The number of milliseconds to add. The value parameter can be negative or positive.

Return Value

A DateTime whose value is the sum of the date and time represented by this instance and the number of milliseconds represented by value.

See Also

addMilliseconds Method Overload List
DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.addMinutes Method

Returns a new DateTime that adds the specified number of minutes to this instance.

Overload List

Name	Description
DateTime.addMinutes (Double)	Returns a new **DateTime** that adds the specified number of minutes to this instance.
DateTime.addMinutes (Int64)	Returns a new **DateTime** that adds the specified number of minutes to this instance.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.addMinutes Method (Double)

Returns a new DateTime that adds the specified number of minutes to this instance.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public DateTime addMinutes (
    double value
)
```

Parameters

value
A number of whole and fractional minutes. The value parameter can be negative or positive.

Return Value

A DateTime whose value is the sum of the date and time represented by this instance and the number of minutes represented by value.

See Also

addMinutes Method Overload List
DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.addMinutes Method (Int64)

Returns a new DateTime that adds the specified number of minutes to this instance.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public DateTime addMinutes (
    long value
)
```

Parameters

value
The number of minutes to add. The value parameter can be negative or positive.

Return Value

A DateTime whose value is the sum of the date and time represented by this instance and the number of minutes represented by value.

See Also

addMinutes Method Overload List
DateTime Members

DateTime.addMonths Method

Returns a new DateTime that adds the specified number of months to this instance.

Overload List

Name	Description
DateTime.addMonths (Int32)	Returns a new **DateTime** that adds the specified number of months to this instance.
DateTime.addMonths (Int64)	Returns a new **DateTime** that adds the specified number of months to this instance.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.addMonths Method (Int32)

Returns a new DateTime that adds the specified number of months to this instance.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public DateTime addMonths (
    int value
)
```

Parameters

value
A number of months. The months parameter can be negative or positive.

Return Value

A DateTime whose value is the sum of the date and time represented by this instance and months.

See Also

addMonths Method Overload List
DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.addMonths Method (Int64)

Returns a new DateTime that adds the specified number of months to this instance.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public DateTime addMonths (
    long value
)
```

Parameters

value
A number of months. The months parameter can be negative or positive.

Return Value

A DateTime whose value is the sum of the date and time represented by this instance and months.

See Also

addMonths Method Overload List
DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.addSeconds Method

Returns a new DateTime that adds the specified number of seconds to this instance.

Overload List

Name	Description
DateTime.addSeconds (Double)	Returns a new **DateTime** that adds the specified number of seconds to this instance.
DateTime.addSeconds (Int64)	Returns a new **DateTime** that adds the specified number of seconds to this instance.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.addSeconds Method (Double)

Returns a new DateTime that adds the specified number of seconds to this instance.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public DateTime addSeconds (
    double value
)
```

Parameters

value
A number of whole and fractional seconds. The value parameter can be negative or positive.

Return Value

A DateTime whose value is the sum of the date and time represented by this instance and the number of seconds represented by value.

See Also

addSeconds Method Overload List
DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.addSeconds Method (Int64)

Returns a new DateTime that adds the specified number of seconds to this instance.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public DateTime addSeconds (
    long value
)
```

Parameters

value
The number of seconds to add. The value parameter can be negative or positive.

Return Value

A DateTime whose value is the sum of the date and time represented by this instance and the number of seconds represented by value.

See Also

addSeconds Method Overload List
DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.addTicks Method

Returns a new DateTime that adds the specified number of ticks to this instance.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public DateTime addTicks (
    long value
)
```

Parameters

value
A number ticks. The value parameter can be positive or negative.

Return Value

A DateTime whose value is the sum of the date and time represented by this instance and the time represented by value.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.addYears Method

Returns a new DateTime that adds the specified number of years to this instance.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public DateTime addYears (
    int value
)
```

Parameters

value
A number of years. The value parameter can be negative or positive.

Return Value

A DateTime whose value is the sum of the date and time represented by this instance and the number of years represented by value.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.clone Method

Cloneable.clone implementation.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public DateTime clone ()
```

Return Value

A DateTime object.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.compareTo Method

Comparable.compareTo implementation.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public int compareTo (
    DateTime o
)
```

Parameters

o
The DateTime object to compare to.

Return Value

A negative integer, zero, or a positive integer as this object is less than, equal to, or greater than the specified object.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.daysInMonth Method

Returns the number of days in the specified month and year.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static int daysInMonth (
    int year,
    int month
)
```

Parameters

year
The year.

month
The month (a number ranging from 1 to 12).

Return Value

The number of days in month for the specified year. For example, if month equals 2 for February, the return value is 28 or 29 depending upon whether year is a leap year.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.equals Method

Object.equals override.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public boolean equals (
    Object value
)
```

Parameters

value
The object to compare to this instance.

Return Value

true if the value parameter equals the value of this instance; otherwise, false.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.getDate Method

Gets the date component of this instance.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public DateTime getDate ()
```

Return Value

A new DateTime with the same date as this instance, and the time value set to 12:00:00 midnight (00:00:00).

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.getDay Method

Gets the day of month component of the date (1-31).

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public int getDay ()
```

Return Value

The day component, expressed as a value between 1 and 31.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.getDayOfWeek Method

Gets the day of the week represented by this instance.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public DayOfWeek getDayOfWeek ()
```

Return Value

One of the DayOfWeek constants.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.getDayOfYear Method

Gets the day of the year represented by this instance.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public int getDayOfYear ()
```

Return Value

The day of the year, expressed as a value between 1 and 366.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.getHour Method

Gets the hour component of the date (0-23).

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public int getHour ()
```

Return Value

The hour component, expressed as a value between 0 and 23.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.getMillisecond Method

Gets the millisecond component of the date (0-999).

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public int getMillisecond ()
```

Return Value

The millisecond component, expressed as a value between 0 and 59.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.getMinute Method

Gets the minute component of the date (0-59).

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public int getMinute ()
```

Return Value

The minute component, expressed as a value between 0 and 59.

See Also

DateTime Members
DateTime Class

DateTime.getMonth Method

Gets the month component of the date (1-12).

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public int getMonth ()
```

Return Value

The month component, expressed as a value between 1 and 12.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.getSecond Method

Gets the second component of the date (0-59).

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public int getSecond ()
```

Return Value

The second component, expressed as a value between 0 and 59.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.getTicks Method

Gets the total number of ticks in this instance.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public long getTicks ()
```

Return Value

The number of ticks that represent the date and time of this instance. The value is between MinValue and MaxValue.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.getTimeOfDay Method

Gets the time of the day of this instance.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Duration getTimeOfDay ()
```

Return Value

A Duration that represents the fraction of the day that has elapsed since midnight.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.getWeekOfYear Method

Gets the week of the year for the current date.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public int getWeekOfYear ()
```

Return Value

The week number of the specified date.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.getYear Method

Gets the year component of the date.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public int getYear ()
```

Return Value

The year, between 1 and 9999.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.hashCode Method

Object.hashCode override.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public int hashCode ()
```

Return Value

A 32-bit signed integer hash code.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.isLeapYear Method

Returns a value indicating whether the specified year is a leap year.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public static boolean isLeapYear (
    int year
)
```

Parameters

year
A 4-digit year.

Return Value

true if *year* is a leap year; otherwise, false.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.isLessThan Method

Determines whether the current DateTime is less than the specified **DateTime**.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public boolean isLessThan (
    DateTime d
)
```

Parameters

d
A DateTime.

Return Value

true if the current date is less than *d*; otherwise, false.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.isLessThanOrEqual Method

Determines whether the current DateTime is less than or equal to the specified **DateTime**.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java

public boolean isLessThanOrEqual (
    DateTime d
)
```

Parameters

d
A DateTime.

Return Value

true if the current date is less than or equal to *d*; otherwise, false.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.isLocalTime Method

Gets a value indicating whether the time represented by this instance is a local time.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java

public boolean isLocalTime ()
```

Return Value

true if the current time represents a local time; otherwise, false.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.isUtcTime Method

Gets a value indicating whether the time represented by this instance is a UTC time.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public boolean isUtcTime ()
```

Return Value

true if the current time represents a UTC time; otherwise, false.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.isWeekend Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public boolean isWeekend ()
```

Return Value

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.now Method

Gets a DateTime object that is set to the current date and time in the default time zone and locale.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public static DateTime now ()
```

Return Value

A DateTime whose value is the current local date and time.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.op_Addition Method

Adds a specified time interval to a specified date and time, yielding a new date and time.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static DateTime op_Addition (
    DateTime d,
    Duration t
)
```

Parameters

d
A DateTime.

t
A Duration.

Return Value

A **DateTime** that is the sum of the values of *d* and *t*.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.op_Equality Method

Determines whether two specified instances of DateTime are equal.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static boolean op_Equality (
    DateTime d1,
    DateTime d2
)
```

Parameters

d1
A DateTime.

d2
A **DateTime**.

Return Value

true if *d1* and *d2* represent the same date and time or are both null; otherwise, false.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.op_GreaterThan Method

Determines whether one specified DateTime is greater than another specified **DateTime**.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static boolean op_GreaterThan (
    DateTime d1,
    DateTime d2
)
```

Parameters

d1
A DateTime.

d2
A **DateTime**.

Return Value

true if *d1* is greater than *d2*; otherwise, false.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.op_GreaterThanOrEqual Method

Determines whether one specified DateTime is greater than or equal to another specified **DateTime**.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static boolean op_GreaterThanOrEqual (
    DateTime d1,
    DateTime d2
)
```

Parameters

d1
A DateTime.

d2
A **DateTime**.

Return Value

true if *d1* is greater than or equal to *d2*; otherwise, false.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.op_Inequality Method

Determines whether two specified instances of DateTime are not equal.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static boolean op_Inequality (
    DateTime d1,
    DateTime d2
)
```

Parameters

d1
A DateTime.

d2
A **DateTime**.

Return Value

true if *d1* and *d2* do not represent the same date and time or are both null; otherwise, false.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.op_LessThan Method

Determines whether one specified DateTime is less than another specified **DateTime**.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static boolean op_LessThan (
    DateTime d1,
    DateTime d2
)
```

Parameters

d1
A DateTime.

d2
A **DateTime**.

Return Value

true if *d1* is less than *d2*; otherwise, false.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.op_LessThanOrEqual Method

Determines whether one specified DateTime is less than or equal to another specified **DateTime**.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static boolean op_LessThanOrEqual (
    DateTime d1,
    DateTime d2
)
```

Parameters

d1
A DateTime.

d2
A **DateTime**.

Return Value

true if *d1* is less than or equal to *d2*; otherwise, false.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.op_Subtraction Method

Overload List

Name	Description
DateTime.op_Subtraction (DateTime, DateTime)	Subtracts a specified date and time from another specified date and time and returns a time interval.
DateTime.op_Subtraction (DateTime, Duration)	Subtracts a specified time interval from a specified date and time and returns a new date and time.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.op_Subtraction Method (DateTime, DateTime)

Subtracts a specified date and time from another specified date and time and returns a time interval.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Duration op_Subtraction (
    DateTime d1,
    DateTime d2
)
```

Parameters

d1
A DateTime (the minuend).

d2
A **DateTime** (the subtrahend).

Return Value

A Duration that is the time interval between *d1* and *d2*; that is, *d1* minus *d2*.

See Also

op_Subtraction Method Overload List
DateTime Members

DateTime.op_Subtraction Method (DateTime, Duration)

Subtracts a specified time interval from a specified date and time and returns a new date and time.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static DateTime op_Subtraction (
    DateTime d,
    Duration t
)
```

Parameters

d
A DateTime.

t
A Duration.

Return Value

A **DateTime** whose value is the value of *d* minus the value of *t*.

See Also

op_Subtraction Method Overload List
DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.subtract Method

Overload List

Name	Description
DateTime.subtract (DateTime)	Subtracts the specified date and time from this instance.
DateTime.subtract (Duration)	Subtracts the specified duration from this instance.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.subtract Method (DateTime)

Subtracts the specified date and time from this instance.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Duration subtract (
    DateTime date
)
```

Parameters

date
A DateTime instance.

Return Value

A Duration interval equal to the date and time represented by this instance minus the date and time represented by value.

See Also

subtract Method Overload List
DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.subtract Method (Duration)

Subtracts the specified duration from this instance.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public DateTime subtract (
    Duration duration
)
```

Parameters

duration
A Duration instance.

Return Value

A DateTime equal to the date and time represented by this instance minus the time interval represented by value.

See Also

subtract Method Overload List
DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.today Method

Gets a DateTime object that represents the current date in the default time one and locale.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public static DateTime today ()
```

Return Value

A DateTime set to today's date, with the time component set to 00:00:00.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.toJavaCalendar Method

Converts the stored date and time to a **Calendar** object.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public Calendar toJavaCalendar ()
```

Return Value

A **java.util.Calendar** instance.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.toJavaDateTime Method

Returns the stored **LocalDateTime** value.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public LocalDateTime toJavaDateTime ()`

Return Value

A **java.time.LocalDateTime** instance.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.toLocalTime Method

Converts the value of the current DateTime object to local time.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public DateTime toLocalTime ()`

Return Value

A DateTime object representing the local time equivalent of the current date and time.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.toLongDateString Method

Overload List

Name	Description
DateTime.toLongDateString ()	Converts the value of the current DateTime object to its equivalent long date string representation.
DateTime.toLongDateString (Locale)	Converts the value of the current **DateTime** object to its equivalent long date string representation.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.toLongDateString Method ()

Converts the value of the current DateTime object to its equivalent long date string representation.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public String toLongDateString ()
```

Return Value

A string that contains the long date string representation of the current DateTime object.

See Also

toLongDateString Method Overload List
DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.toLongDateString Method (Locale)

Converts the value of the current DateTime object to its equivalent long date string representation.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public String toLongDateString (
    Locale locale
)
```

Parameters

locale
The locale that supplies culture-specific formatting information.

Return Value

A string that contains the long date string representation of the current DateTime object.

See Also

toLongDateString Method Overload List
DateTime Members

DateTime.toLongTimeString Method

Overload List

Name	Description
DateTime.toLongTimeString ()	Converts the value of the current DateTime object to its equivalent long time string representation.
DateTime.toLongTimeString (Locale)	Converts the value of the current **DateTime** object to its equivalent long time string representation.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.toLongTimeString Method ()

Converts the value of the current DateTime object to its equivalent long time string representation.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public String toLongTimeString ()`

Return Value

A string that contains the long time string representation of the current DateTime object.

See Also

toLongTimeString Method Overload List
DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.toLongTimeString Method (Locale)

Converts the value of the current DateTime object to its equivalent long time string representation.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public String toLongTimeString (
    Locale locale
)
```

Parameters

locale
The locale that supplies culture-specific formatting information.

Return Value

A string that contains the long time string representation of the current DateTime object.

See Also

toLongTimeString Method Overload List
DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.toShortDateString Method

Overload List

Name	Description
DateTime.toShortDateString ()	Converts the value of the current DateTime object to its equivalent short date string representation.
DateTime.toShortDateString (Locale)	Converts the value of the current **DateTime** object to its equivalent short date string representation.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.toShortDateString Method ()

Converts the value of the current DateTime object to its equivalent short date string representation.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public String toShortDateString ()
```

Return Value

A string that contains the short date string representation of the current DateTime object.

See Also

toShortDateString Method Overload List
DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.toShortDateString Method (Locale)

Converts the value of the current DateTime object to its equivalent short date string representation.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public String toShortDateString (
    Locale locale
)
```

Parameters

locale
The locale that supplies culture-specific formatting information.

Return Value

A string that contains the short date string representation of the current DateTime object.

See Also

toShortDateString Method Overload List
DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.toShortTimeString Method

Overload List

Name	Description
DateTime.toShortTimeString ()	Converts the value of the current DateTime object to its equivalent short time string representation.
DateTime.toShortTimeString (Locale)	Converts the value of the current **DateTime** object to its equivalent short time string representation.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.toShortTimeString Method ()

Converts the value of the current DateTime object to its equivalent short time string representation.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public String toShortTimeString ()
```

Return Value

A string that contains the short time string representation of the current DateTime object.

See Also

toShortTimeString Method Overload List
DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.toShortTimeString Method (Locale)

Converts the value of the current DateTime object to its equivalent short time string representation.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public String toShortTimeString (
    Locale locale
)
```

Parameters

locale
The locale that supplies culture-specific formatting information.

Return Value

A string that contains the short time string representation of the current DateTime object.

See Also

toShortTimeString Method Overload List
DateTime Members

DateTime.toString Method

Converts the value of the current DateTime object to its equivalent string representation.

Overload List

Name	Description
DateTime.toString ()	Converts the value of the current **DateTime** object to its equivalent string representation.
DateTime.toString (String)	Converts the value of the current **DateTime** object to its equivalent string representation using the specified format.
DateTime.toString (String, Locale)	Converts the value of the current **DateTime** object to its equivalent string representation using the specified format and locale.
DateTime.toString (String, Locale, Boolean)	Converts the value of the current **DateTime** object to its equivalent string representation using the specified format and locale.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.toString Method ()

Converts the value of the current DateTime object to its equivalent string representation.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public String toString ()
```

Return Value

A string representation of the value of the current DateTime object.

See Also

toString Method Overload List
DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.toString Method (String)

Converts the value of the current DateTime object to its equivalent string representation using the specified format.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public String toString (
    String format
)
```

Parameters

format
A standard or custom date and time format string.

Return Value

A string representation of value of the current DateTime object as specified by *format*.

See Also

toString Method Overload List
DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.toString Method (String, Locale)

Converts the value of the current DateTime object to its equivalent string representation using the specified format and locale.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public String toString (
    String format,
    Locale locale
)
```

Parameters

format
A standard or custom date and time format string.

locale
The locale that supplies culture-specific formatting information.

Return Value

A string representation of value of the current DateTime object as specified by *format*.

See Also

toString Method Overload List
DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.toString Method (String, Locale, Boolean)

Converts the value of the current DateTime object to its equivalent string representation using the specified format and locale.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public String toString (
    String format,
    Locale locale,
    boolean excelFormat
)
```

Parameters

format
A standard or custom date and time format string.

locale
The locale that supplies culture-specific formatting information.

excelFormat
true to accept Excel-compatible format strings, or **false** otherwise.

Return Value

A string representation of value of the current DateTime object as specified by *format*.

See Also

toString Method Overload List
DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.toUniversalTime Method

Converts the value of the current DateTime object to Coordinated Universal Time (UTC).

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public DateTime toUniversalTime ()
```

Return Value

A DateTime object representing the UTC equivalent of the current date and time.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DateTime.utcNow Method

Gets a DateTime object that is set to the current date and time on this computer, expressed as the Coordinated Universal Time (UTC).

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public static DateTime utcNow ()`

Return Value

A DateTime whose value is the current UTC date and time.

See Also

DateTime Members
DateTime Class
com.mindfusion.common Namespace

DayOfWeek Enumeration

Specifies the day of the week.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public enum DayOfWeek`

Members

	Member name	Description
	Friday	Indicates Friday.

	Monday	Indicates Monday.
	Saturday	Indicates Saturday.
	Sunday	Indicates Sunday.
	Thursday	Indicates Thursday.
	Tuesday	Indicates Tuesday.
	Wednesday	Indicates Wednesday.

See Also

com.mindfusion.common Namespace

DefaultComparison(T) Class

Syntax

Java
`public class DefaultComparison<T> implements Comparison<T>`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.common.DefaultComparison(T)

See Also

DefaultComparison(T) Members
com.mindfusion.common Namespace

DefaultComparison(T) Members

The following tables list the members exposed by the DefaultComparison(T) type.

Public Constructors

	Name	Description
	DefaultComparison	

Public Methods

	Name	Description
	invoke	

See Also

DefaultComparison(T) Class
com.mindfusion.common Namespace

DefaultComparison(T) Constructor

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public DefaultComparison ()
```

See Also

DefaultComparison(T) Class
com.mindfusion.common Namespace

DefaultComparison(T) Methods

DefaultComparison(T).invoke Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public int invoke (
    T x,
    T y
)
```

Parameters

x

y

Return Value

See Also

DefaultComparison(T) Members
DefaultComparison(T) Class
com.mindfusion.common Namespace

Double Class

Syntax

Java
`public class Double extends Dimension2D implements Externalizable`

Inheritance Hierarchy

java.lang.Object
  java.awt.geom.Dimension2D
    com.mindfusion.common.XDimension2D.Double

See Also

Double Members
com.mindfusion.common Namespace

Double Members

The following tables list the members exposed by the Double type.

Public Constructors

	Name	Description
	Double	Overloaded.

Public Fields

	Name	Description
	height	
	width	

Public Methods

	Name	Description
	clone	
	getHeight	
	getWidth	
	readExternal	
	setSize	
	writeExternal	

See Also

Double Class
com.mindfusion.common Namespace

Double Fields

Double.height Field

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public double height`

See Also

Double Members
Double Class
com.mindfusion.common Namespace

Double.width Field

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public double width`

See Also

Double Members
Double Class
com.mindfusion.common Namespace

Double Constructor

Overload List

Name	Description
Double ()	
Double (Double, Double)	

See Also

Double Class
com.mindfusion.common Namespace

Double Constructor ()

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Double ()
```

See Also

Double Constructor Overload List
Double Class
com.mindfusion.common Namespace

Double Constructor (Double, Double)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Double (
    double width,
    double height
)
```

Parameters

width

height

See Also

Double Constructor Overload List
Double Class
com.mindfusion.common Namespace

Double Methods

Double.clone Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Object clone ()
```

Return Value

See Also

Double Members
Double Class
com.mindfusion.common Namespace

Double.getHeight Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public double getHeight ()
```

Return Value

See Also

Double Members
Double Class
com.mindfusion.common Namespace

Double.getWidth Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public double getWidth ()
```

Return Value

See Also

Double Members
Double Class
com.mindfusion.common Namespace

Double.readExternal Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public void readExternal (
    ObjectInput in
)
```

Parameters

in

See Also

Double Members
Double Class
com.mindfusion.common Namespace

Double.setSize Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public void setSize (
    double width,
    double height
)
```

Parameters

width

height

See Also

Double Members
Double Class
com.mindfusion.common Namespace

Double.writeExternal Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public void writeExternal (
    ObjectOutput out
)
```

Parameters

out

See Also

Double Members
Double Class
com.mindfusion.common Namespace

DrawEvent Class

Encapsulates information for general custom drawing.

Syntax

Java
`public class DrawEvent extends EventObject`

Inheritance Hierarchy

java.lang.Object
  java.util.EventObject
    com.mindfusion.common.DrawEvent

See Also

DrawEvent Members
com.mindfusion.common Namespace

DrawEvent Members

Encapsulates information for general custom drawing.

The following tables list the members exposed by the DrawEvent type.

Public Constructors

	Name	Description
	DrawEvent	Initializes a new instance of the **DrawEvent** class.

Public Methods

	Name	Description
	getBounds	Gets the bounding rectangle of the element being drawn.
	getGraphics	Gets the target graphics.

See Also

DrawEvent Constructor

Initializes a new instance of the DrawEvent class.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public DrawEvent (
    Object source,
    Graphics g,
    Rectangle2D b
)
```

Parameters

source

g

b

See Also

DrawEvent Class
com.mindfusion.common Namespace

DrawEvent Methods

DrawEvent.getBounds Method

Gets the bounding rectangle of the element being drawn.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Rectangle2D getBounds ()
```

Return Value

See Also

DrawEvent Members
DrawEvent Class
com.mindfusion.common Namespace

DrawEvent.getGraphics Method

Gets the target graphics.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public Graphics getGraphics ()`

Return Value

See Also

DrawEvent Members
DrawEvent Class
com.mindfusion.common Namespace

Duration Class

Represents an immutable time interval.

Syntax

Java
`public class Duration implements Comparable<T>, Cloneable`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.common.Duration

See Also

Duration Members
com.mindfusion.common Namespace

Duration Members

Represents an immutable time interval.

The following tables list the members exposed by the Duration type.

Public Constructors

	Name	Description
	Duration	Overloaded.

Public Fields

	Name	Description
	MaxValue	Represents the largest possible value of **Duration**.
	MinValue	Represents the smallest possible value of **Duration**.
	TicksPerDay	Represents the number of ticks in 1 day.
	TicksPerHour	Represents the number of ticks in 1 hour.
	TicksPerMillisecond	Represents the number of ticks in 1 millisecond.
	TicksPerMinute	Represents the number of ticks in 1 minute.
	TicksPerSecond	Represents the number of ticks in 1 second.
	Zero	Represents zero duration.

Public Methods

	Name	Description
	add	Returns a new **Duration** object whose value is the sum of the specified **Duration** object and this instance.
	clone	Cloneable.clone implementation.
	compareTo	Comparable.compareTo implementation.
	equals	Object.equals override.
	fromDays	Overloaded.
	fromHours	Overloaded.
	fromMilliseconds	Overloaded.
	fromMinutes	Overloaded.
	fromSeconds	Overloaded.
	fromTicks	Returns a **Duration** that represents a specified time, where the specification is in units of ticks.
	getDays	Gets the days component of the time interval represented by the current **Duration** object.
	getHours	Gets the hours component of the time interval represented by the current **Duration** object.
	getMilliseconds	Gets the milliseconds component of the time interval represented by the current **Duration** object.
	getMinutes	Gets the minutes component of the time interval represented by the current **Duration** object.
	getSeconds	Gets the seconds component of the time interval represented by the current **Duration** object.
	getTicks	Gets the number of ticks that represent the value of the current **Duration** object.
	getTotalDays	Gets the value of the current **Duration** object expressed in whole days.

	getTotalHours	Gets the value of the current **Duration** expressed in whole and fractional hours.
	getTotalMilliseconds	Gets the total number of milliseconds in this instance.
	getTotalMinutes	Gets the value of the current **Duration** expressed in whole and fractional minutes.
	getTotalSeconds	Gets the value of the current **Duration** object expressed in whole and fractional seconds.
	hashCode	Object.hashCode override.
	negate	Returns a **Duration** whose value is the negated value of the specified instance.
S	op_Addition	Adds two specified **Duration** instances.
S	op_Equality	Indicates whether two **Duration** instances are equal.
S	op_GreaterThan	Indicates whether a specified **Duration** is greater than another specified **Duration**.
S	op_GreaterThanOrEqual	Indicates whether a specified **Duration** is greater than or equal to another specified **Duration**.
S	op_Inequality	Indicates whether two **Duration** instances are not equal.
S	op_LessThan	Indicates whether a specified **Duration** is less than another specified **Duration**.
S	op_LessThanOrEqual	Indicates whether a specified **Duration** is less than or equal to another specified **Duration**.
S	op_Subtraction	Subtracts a specified **Duration** from another specified **Duration**.
S	op_UnaryNegation	Returns a **Duration** whose value is the negated value of the specified instance.
	subtract	Returns a new **Duration** object whose value is the difference between the specified **Duration** object and this instance.
	toJavaDuration	Returns the stored **java.time.Duration**.
	toString	Returns the string representation of the value of this instance.

See Also

Duration Class
com.mindfusion.common Namespace

Duration Fields

Duration.MaxValue Field

Represents the largest possible value of Duration.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public static final Duration MaxValue
```

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.MinValue Field

Represents the smallest possible value of Duration.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public static final Duration MinValue
```

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.TicksPerDay Field

Represents the number of ticks in 1 day.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public static final long TicksPerDay
```

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.TicksPerHour Field

Represents the number of ticks in 1 hour.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static final long TicksPerHour
```

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.TicksPerMillisecond Field

Represents the number of ticks in 1 millisecond.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static final long TicksPerMillisecond
```

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.TicksPerMinute Field

Represents the number of ticks in 1 minute.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static final long TicksPerMinute
```

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.TicksPerSecond Field

Represents the number of ticks in 1 second.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public static final long TicksPerSecond`

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.Zero Field

Represents zero duration.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public static final Duration Zero`

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration Constructor

Overload List

Name	Description
Duration ()	Initializes a new instance of the Duration class with zero length.
Duration (Duration)	Initializes a new instance of the **Duration** class, storing specified **java.time.Duration**.

Duration (Int32, Int32, Int32)	Initializes a new instance of the **Duration** class with the specified duration.
Duration (Int32, Int32, Int32, Int32)	Initializes a new instance of the **Duration** class with the specified values.
Duration (Int32, Int32, Int32, Int32, Int32)	Initializes a new instance of the **Duration** class with the specified value.
Duration (Int64)	Initializes a new instance of the **Duration** class with the specified length.

See Also

Duration Class
com.mindfusion.common Namespace

Duration Constructor ()

Initializes a new instance of the Duration class with zero length.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Duration ()
```

See Also

Duration Constructor Overload List
Duration Class
com.mindfusion.common Namespace

Duration Constructor (Duration)

Initializes a new instance of the Duration class, storing specified **java.time.Duration**.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Duration (
    Duration duration
)
```

Parameters

duration
A **java.time.Duration** instance specifying duration.

See Also

Duration Constructor Overload List
Duration Class
com.mindfusion.common Namespace

Duration Constructor (Int32, Int32, Int32)

Initializes a new instance of the Duration class with the specified duration.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Duration (
    int hours,
    int minutes,
    int seconds
)
```

Parameters

hours
The hours component of the new duration.

minutes
The minutes component of the new duration.

seconds
The seconds component of the new duration.

See Also

Duration Constructor Overload List
Duration Class
com.mindfusion.common Namespace

Duration Constructor (Int32, Int32, Int32, Int32)

Initializes a new instance of the Duration class with the specified values.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Duration (
    int days,
    int hours,
    int minutes,
    int seconds
)
```

Parameters

days

The hours component of the new duration.

hours
The hours component of the new duration.

minutes
The minutes component of the new duration.

seconds
The seconds component of the new duration.

See Also

Duration Constructor Overload List
Duration Class
com.mindfusion.common Namespace

Duration Constructor (Int32, Int32, Int32, Int32, Int32)

Initializes a new instance of the Duration class with the specified value.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Duration (
    int days,
    int hours,
    int minutes,
    int seconds,
    int milliseconds
)
```

Parameters

days
The hours component of the new duration.

hours
The hours component of the new duration.

minutes
The minutes component of the new duration.

seconds
The seconds component of the new duration.

milliseconds
The milliseconds component of the new duration.

See Also

Duration Constructor Overload List
Duration Class
com.mindfusion.common Namespace

Duration Constructor (Int64)

Initializes a new instance of the Duration class with the specified length.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Duration (
    long ticks
)
```

Parameters

ticks
A duration expressed in number of 100-nanosecond intervals.

See Also

Duration Constructor Overload List
Duration Class
com.mindfusion.common Namespace

Duration Methods

Duration.add Method

Returns a new Duration object whose value is the sum of the specified **Duration** object and this instance.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Duration add (
    Duration duration
)
```

Parameters

duration
A Duration.

Return Value

A new object that represents the value of this instance plus the value of *duration*.

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.clone Method

Cloneable.clone implementation.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Duration clone ()
```

Return Value

A Duration object.

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.compareTo Method

Comparable.compareTo implementation.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public int compareTo (
    Duration o
)
```

Parameters

o
The Duration object to compare to.

Return Value

A negative integer, zero, or a positive integer as this object is less than, equal to, or greater than the specified object.

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.equals Method

Object.equals override.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public boolean equals (
    Object value
)
```

Parameters

value
The object to compare to this instance.

Return Value

true if the value parameter equals the value of this instance; otherwise, false.

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.fromDays Method

Overload List

Name	Description
Duration.fromDays (Double)	Returns a Duration that represents a specified number of days, where the specification is accurate to the nearest millisecond.
Duration.fromDays (Int64)	Returns a **Duration** that represents a specified number of days, where the specification is accurate to the nearest millisecond.

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.fromDays Method (Double)

Returns a Duration that represents a specified number of days, where the specification is accurate to the nearest millisecond.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Duration fromDays (
    double value
)
```

Parameters

value
A number of days, accurate to the nearest millisecond.

Return Value

A Duration that represents *value*.

See Also

fromDays Method Overload List
Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.fromDays Method (Int64)

Returns a Duration that represents a specified number of days, where the specification is accurate to the nearest millisecond.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Duration fromDays (
    long value
)
```

Parameters

value
A number of days, accurate to the nearest millisecond.

Return Value

A Duration that represents *value*.

See Also

fromDays Method Overload List
Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.fromHours Method

Overload List

Name	Description
Duration.fromHours (Double)	Returns a Duration that represents a specified number of hours, where the specification is accurate to the nearest millisecond.
Duration.fromHours (Int64)	Returns a **Duration** that represents a specified number of hours, where the specification is accurate to the nearest millisecond.

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.fromHours Method (Double)

Returns a Duration that represents a specified number of hours, where the specification is accurate to the nearest millisecond.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Duration fromHours (
    double value
)
```

Parameters

value
A number of hours accurate to the nearest millisecond.

Return Value

A Duration that represents *value*.

See Also

fromHours Method Overload List
Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.fromHours Method (Int64)

Returns a Duration that represents a specified number of hours, where the specification is accurate to the nearest millisecond.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Duration fromHours (
    long value
)
```

Parameters

value
A number of hours accurate to the nearest millisecond.

Return Value

A Duration that represents *value*.

See Also

fromHours Method Overload List
Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.fromMilliseconds Method

Overload List

Name	Description
Duration.fromMilliseconds (Double)	Returns a Duration that represents a specified number of milliseconds.
Duration.fromMilliseconds (Int64)	Returns a **Duration** that represents a specified number of milliseconds.

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.fromMilliseconds Method (Double)

Returns a Duration that represents a specified number of milliseconds.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Duration fromMilliseconds (
    double value
)
```

Parameters

value
A number of milliseconds.

Return Value

A Duration that represents *value*.

See Also

fromMilliseconds Method Overload List
Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.fromMilliseconds Method (Int64)

Returns a Duration that represents a specified number of milliseconds.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Duration fromMilliseconds (
    long value
)
```

Parameters

value
A number of milliseconds.

Return Value

A Duration that represents *value*.

See Also

fromMilliseconds Method Overload List
Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.fromMinutes Method

Overload List

Name	Description
Duration.fromMinutes (Double)	Returns a Duration that represents a specified number of minutes, where the specification is accurate to the nearest millisecond.
Duration.fromMinutes (Int64)	Returns a **Duration** that represents a specified number of minutes, where the specification is accurate to the nearest millisecond.

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.fromMinutes Method (Double)

Returns a Duration that represents a specified number of minutes, where the specification is accurate to the nearest millisecond.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Duration fromMinutes (
    double value
)
```

Parameters

value
A number of minutes, accurate to the nearest millisecond.

Return Value

A Duration that represents *value*.

See Also

fromMinutes Method Overload List
Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.fromMinutes Method (Int64)

Returns a Duration that represents a specified number of minutes, where the specification is accurate to the nearest millisecond.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

`public static Duration fromMinutes (`
`    long value`
`)`

Parameters

value
A number of minutes, accurate to the nearest millisecond.

Return Value

A Duration that represents *value*.

See Also

fromMinutes Method Overload List
Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.fromSeconds Method

Overload List

Name	Description
Duration.fromSeconds (Double)	Returns a Duration that represents a specified number of seconds, where the specification is accurate to the nearest millisecond.
Duration.fromSeconds (Int64)	Returns a **Duration** that represents a specified number of seconds, where the specification is accurate to the nearest millisecond.

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.fromSeconds Method (Double)

Returns a Duration that represents a specified number of seconds, where the specification is accurate to the nearest millisecond.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public static Duration fromSeconds (` `    double value`

```
)
```

Parameters

value
A number of seconds, accurate to the nearest millisecond.

Return Value

A Duration that represents *value*.

See Also

fromSeconds Method Overload List
Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.fromSeconds Method (Int64)

Returns a Duration that represents a specified number of seconds, where the specification is accurate to the nearest millisecond.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Duration fromSeconds (
    long value
)
```

Parameters

value
A number of seconds, accurate to the nearest millisecond.

Return Value

A Duration that represents *value*.

See Also

fromSeconds Method Overload List
Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.fromTicks Method

Returns a Duration that represents a specified time, where the specification is in units of ticks.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Duration fromTicks (
    long value
)
```

Parameters

value
A number of ticks that represent a time.

Return Value

A Duration with a value of *value*.

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.getDays Method

Gets the days component of the time interval represented by the current Duration object.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public int getDays ()
```

Return Value

The day component of this instance. The return value can be positive or negative.

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.getHours Method

Gets the hours component of the time interval represented by the current Duration object.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public int getHours ()
```

Return Value

The hour component of the current Duration object. The return value ranges from -23 through 23.

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.getMilliseconds Method

Gets the milliseconds component of the time interval represented by the current Duration object.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public int getMilliseconds ()
```

Return Value

The millisecond component of the current Duration object. The return value ranges from -999 through 999.

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.getMinutes Method

Gets the minutes component of the time interval represented by the current Duration object.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public int getMinutes ()
```

Return Value

The minute component of the current Duration object. The return value ranges from -59 through 59.

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.getSeconds Method

Gets the seconds component of the time interval represented by the current Duration object.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public int getSeconds ()
```

Return Value

The second component of the current Duration object. The return value ranges from -59 through 59.

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.getTicks Method

Gets the number of ticks that represent the value of the current Duration object.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public long getTicks ()
```

Return Value

The number of ticks contained in this instance.

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.getTotalDays Method

Gets the value of the current Duration object expressed in whole days.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public double getTotalDays ()
```

Return Value

The total number of days represented by this instance.

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.getTotalHours Method

Gets the value of the current Duration expressed in whole and fractional hours.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public double getTotalHours ()
```

Return Value

The total number of hours represented by this instance.

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.getTotalMilliseconds Method

Gets the total number of milliseconds in this instance.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public long getTotalMilliseconds ()
```

Return Value

The total number of milliseconds.

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.getTotalMinutes Method

Gets the value of the current Duration expressed in whole and fractional minutes.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public double getTotalMinutes ()
```

Return Value

The total number of minutes represented by this instance.

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.getTotalSeconds Method

Gets the value of the current Duration object expressed in whole and fractional seconds.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public double getTotalSeconds ()
```

Return Value

The total number of seconds represented by this instance.

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.hashCode Method

Object.hashCode override.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public int hashCode ()
```

Return Value

A 32-bit signed integer hash code.

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.negate Method

Returns a Duration whose value is the negated value of the specified instance.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public Duration negate ()
```

Return Value

A Duration with the same numeric value as this instance, but the opposite sign.

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.op_Addition Method

Adds two specified Duration instances.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public static Duration op_Addition (
    Duration d1,
    Duration d2
)
```

Parameters

d1
A Duration.

d2
A **Duration**.

Return Value

A **Duration** whose value is the sum of the values of *d1* and *d2*.

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.op_Equality Method

Indicates whether two Duration instances are equal.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static boolean op_Equality (
    Duration d1,
    Duration d2
)
```

Parameters

d1
A Duration.

d2
A **Duration**.

Return Value

true if the values of *d1* and *d2* are equal or both are null; otherwise, false.

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.op_GreaterThan Method

Indicates whether a specified Duration is greater than another specified **Duration**.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public static boolean op_GreaterThan (
    Duration d1,
    Duration d2
)
```

Parameters

d1
A Duration.

d2
A **Duration**.

Return Value

true if the value of *d1* is greater than the value of *d2*; otherwise, false.

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.op_GreaterThanOrEqual Method

Indicates whether a specified Duration is greater than or equal to another specified **Duration**.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public static boolean op_GreaterThanOrEqual (
    Duration d1,
    Duration d2
)
```

Parameters

d1
A Duration.

d2
A **Duration**.

Return Value

true if the value of *d1* is greater than or equal to the value of *d2*; otherwise, false.

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.op_Inequality Method

Indicates whether two Duration instances are not equal.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static boolean op_Inequality (
    Duration d1,
    Duration d2
)
```

Parameters

d1
A Duration.

d2
A **Duration**.

Return Value

true if the values of *d1* and *d2* are not equal; otherwise, false.

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.op_LessThan Method

Indicates whether a specified Duration is less than another specified **Duration**.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static boolean op_LessThan (
    Duration d1,
    Duration d2
)
```

Parameters

d1
A Duration.

d2
A **Duration**.

Return Value

true if the value of *d1* is less than the value of *d2*; otherwise, false.

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.op_LessThanOrEqual Method

Indicates whether a specified Duration is less than or equal to another specified **Duration**.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static boolean op_LessThanOrEqual (
    Duration d1,
    Duration d2
)
```

Parameters

d1
A Duration.

d2
A **Duration**.

Return Value

true if the value of *d1* is less than or equal to the value of *d2*; otherwise, false.

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.op_Subtraction Method

Subtracts a specified Duration from another specified **Duration**.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Duration op_Subtraction (
    Duration d1,
    Duration d2
)
```

Parameters

d1
A Duration.

d2
A **Duration**.

Return Value

A **Duration** whose value is the result of the value of *d1* minus the value of *d2*.

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.op_UnaryNegation Method

Returns a Duration whose value is the negated value of the specified instance.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Duration op_UnaryNegation (
    Duration d1
)
```

Parameters

d1
A Duration.

Return Value

A **Duration** with the same numeric value as this instance, but the opposite sign.

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.subtract Method

Returns a new Duration object whose value is the difference between the specified **Duration** object and this instance.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public Duration subtract (
    Duration duration
)
```

Parameters

duration
A Duration.

Return Value

A new time interval whose value is the result of the value of this instance minus the value of *duration*.

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.toJavaDuration Method

Returns the stored **java.time.Duration**.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public Duration toJavaDuration ()
```

Return Value

A **java.time.Duration** instance.

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

Duration.toString Method

Returns the string representation of the value of this instance.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public String toString ()`

Return Value

A string representation of the value of the current Duration object.

See Also

Duration Members
Duration Class
com.mindfusion.common Namespace

EqualityComparer(T) Interface

Syntax

Java
`public interface EqualityComparer<T>`

See Also

EqualityComparer(T) Members
com.mindfusion.common Namespace

EqualityComparer(T) Members

The following tables list the members exposed by the EqualityComparer(T) type.

Public Methods

	Name	Description
	equals	Determines whether the specified objects are equal.
	hashCode	Returns a hash code for the specified object.

See Also

EqualityComparer(T) Interface
com.mindfusion.common Namespace

EqualityComparer(T) Methods

EqualityComparer(T).equals Method

Determines whether the specified objects are equal.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
boolean equals (
    T x,
    T y
)
```

Parameters

x
The first object of type T to compare.

y
The second object of type T to compare.

Return Value

true if the specified objects are equal; otherwise, false.

See Also

EqualityComparer(T) Members
EqualityComparer(T) Interface
com.mindfusion.common Namespace

EqualityComparer(T).hashCode Method

Returns a hash code for the specified object.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
int hashCode (
    T obj
)
```

Parameters

obj
The **Object** for which a hash code is to be returned.

Return Value

A hash code for the specified object.

See Also

EqualityComparer(T) Members
EqualityComparer(T) Interface
com.mindfusion.common Namespace

Equatable(T) Interface

Syntax

Java
`public interface Equatable<T>`

See Also

Equatable(T) Members
com.mindfusion.common Namespace

Equatable(T) Members

The following tables list the members exposed by the Equatable(T) type.

Public Methods

	Name	Description
	isEqualTo	

See Also

Equatable(T) Interface
com.mindfusion.common Namespace

Equatable(T) Methods

Equatable(T).isEqualTo Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

`boolean isEqualTo (`
`  T t`
`)`

Parameters

t

Return Value

See Also

Equatable(T) Members
Equatable(T) Interface
com.mindfusion.common Namespace

ExtendedArrayList(T) Class

Represents an ArrayList which is capable to sort and reverse itself.

Syntax

Java
`public class ExtendedArrayList<T> extends ArrayList<E>`

Inheritance Hierarchy

java.lang.Object
  java.util.AbstractCollection(E)
    java.util.AbstractList(E)
      java.util.ArrayList(E)
        com.mindfusion.common.ExtendedArrayList(T)

See Also

ExtendedArrayList(T) Members
com.mindfusion.common Namespace

ExtendedArrayList(T) Members

Represents an ArrayList which is capable to sort and reverse itself.

The following tables list the members exposed by the ExtendedArrayList(T) type.

Public Constructors

	Name	Description
	ExtendedArrayList	Overloaded.

Public Methods

	Name	Description
	firstOrDefault	
	getRange	
	last	
	reverse	

	sort	
	toArray	
	where	

See Also

ExtendedArrayList(T) Class
com.mindfusion.common Namespace

ExtendedArrayList(T) Constructor

Overload List

Name	Description
ExtendedArrayList(T) ()	
ExtendedArrayList(T) (Collection(?))	
ExtendedArrayList(T) (Int32)	
ExtendedArrayList(T) (Iterable(?))	

See Also

ExtendedArrayList(T) Class
com.mindfusion.common Namespace

ExtendedArrayList(T) Constructor ()

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public ExtendedArrayList ()`

See Also

ExtendedArrayList(T) Constructor Overload List
ExtendedArrayList(T) Class
com.mindfusion.common Namespace

ExtendedArrayList(T) Constructor (Collection(?))

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public ExtendedArrayList (
    Collection<? extends T> c
)
```

Parameters

c

See Also

ExtendedArrayList(T) Constructor Overload List
ExtendedArrayList(T) Class
com.mindfusion.common Namespace

ExtendedArrayList(T) Constructor (Int32)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public ExtendedArrayList (
    int initialCapacity
)
```

Parameters

initialCapacity

See Also

ExtendedArrayList(T) Constructor Overload List
ExtendedArrayList(T) Class
com.mindfusion.common Namespace

ExtendedArrayList(T) Constructor (Iterable(?))

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public ExtendedArrayList (
    Iterable<? extends T> c
)
```

Parameters

c

See Also

ExtendedArrayList(T) Constructor Overload List
ExtendedArrayList(T) Class
com.mindfusion.common Namespace

ExtendedArrayList(T) Methods

ExtendedArrayList(T).firstOrDefault Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public T firstOrDefault ()
```

Return Value

See Also

ExtendedArrayList(T) Members
ExtendedArrayList(T) Class
com.mindfusion.common Namespace

ExtendedArrayList(T).getRange Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public ExtendedArrayList<T> getRange (
    int index,
    int count
)
```

Parameters

index

count

Return Value

See Also

ExtendedArrayList(T) Members
ExtendedArrayList(T) Class

ExtendedArrayList(T).last Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public T last ()
```

Return Value

See Also

ExtendedArrayList(T) Members
ExtendedArrayList(T) Class
com.mindfusion.common Namespace

ExtendedArrayList(T).reverse Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public void reverse ()
```

See Also

ExtendedArrayList(T) Members
ExtendedArrayList(T) Class
com.mindfusion.common Namespace

ExtendedArrayList(T).sort Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public void sort (
    Comparison<T> comparison
)
```

Parameters

comparison

See Also

ExtendedArrayList(T) Members
ExtendedArrayList(T) Class
com.mindfusion.common Namespace

ExtendedArrayList(T).toArray(_T) Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public <_T> _T[] toArray (
    Class<? extends T> c
)
```

Parameters

c

Return Value

See Also

ExtendedArrayList(T) Members
ExtendedArrayList(T) Class
com.mindfusion.common Namespace

ExtendedArrayList(T).where Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public ExtendedArrayList<T> where (
    Function<T, Boolean> criteria
)
```

Parameters

criteria

Return Value

See Also

ExtendedArrayList(T) Members
ExtendedArrayList(T) Class
com.mindfusion.common Namespace

ExtendedHashMap(K, V) Class

Represents a HashMap which provides a tryGetValue method.

Syntax

Java
`public class ExtendedHashMap<K, V> extends HashMap<K, V> implements Iterable<T>`

Inheritance Hierarchy

java.lang.Object
  java.util.AbstractMap(K, V)
    java.util.HashMap(K, V)
      com.mindfusion.common.ExtendedHashMap(K, V)

See Also

ExtendedHashMap(K, V) Members
com.mindfusion.common Namespace

ExtendedHashMap(K, V) Members

Represents a HashMap which provides a tryGetValue method.

The following tables list the members exposed by the ExtendedHashMap(K, V) type.

Public Constructors

	Name	Description
	ExtendedHashMap	Overloaded.

Public Methods

	Name	Description
	iterator	
	tryGetValue	

See Also

ExtendedHashMap(K, V) Class
com.mindfusion.common Namespace

ExtendedHashMap(K, V) Constructor

Overload List

Name	Description
ExtendedHashMap(K, V) ()	
ExtendedHashMap(K, V) (Int32)	
ExtendedHashMap(K, V) (Int32, Single)	

See Also

ExtendedHashMap(K, V) Class
com.mindfusion.common Namespace

ExtendedHashMap(K, V) Constructor ()

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public ExtendedHashMap ()`

See Also

ExtendedHashMap(K, V) Constructor Overload List
ExtendedHashMap(K, V) Class
com.mindfusion.common Namespace

ExtendedHashMap(K, V) Constructor (Int32)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

`public ExtendedHashMap (`
`  int initialCapacity`
`)`

Parameters

initialCapacity

See Also

ExtendedHashMap(K, V) Constructor Overload List
ExtendedHashMap(K, V) Class
com.mindfusion.common Namespace

ExtendedHashMap(K, V) Constructor (Int32, Single)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public ExtendedHashMap (
    int initialCapacity,
    float loadFactor
)
```

Parameters

initialCapacity

loadFactor

See Also

ExtendedHashMap(K, V) Constructor Overload List
ExtendedHashMap(K, V) Class
com.mindfusion.common Namespace

ExtendedHashMap(K, V) Methods

ExtendedHashMap(K, V).iterator Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public Iterator<Map.Entry<K, V>> iterator ()
```

Return Value

See Also

ExtendedHashMap(K, V) Members
ExtendedHashMap(K, V) Class
com.mindfusion.common Namespace

ExtendedHashMap(K, V).tryGetValue Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public boolean tryGetValue (
    Object key,
    ByRef<V> value
)
```

Parameters

key

value

Return Value

See Also

ExtendedHashMap(K, V) Members
ExtendedHashMap(K, V) Class
com.mindfusion.common Namespace

Formattable Interface

Syntax

```
Java
public interface Formattable
```

See Also

Formattable Members
com.mindfusion.common Namespace

Formattable Members

The following tables list the members exposed by the Formattable type.

Public Methods

	Name	Description
	toString	

See Also

Formattable Interface
com.mindfusion.common Namespace

Formattable Methods

Formattable.toString Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
String toString (
    String format,
    Locale locale
)
```

Parameters

format

locale

Return Value

See Also

Formattable Members
Formattable Interface
com.mindfusion.common Namespace

Helper Class

Provides utility methods when translating from C# to Java.

Syntax

Java

```
public class Helper
```

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.common.Helper

See Also

Helper Members
com.mindfusion.common Namespace

Helper Members

Provides utility methods when translating from C# to Java.

The following tables list the members exposed by the Helper type.

Public Constructors

	Name	Description
	Helper	

Public Methods

	Name	Description
	as	Performs a try cast of o to class c.
	getLength	Overloaded.
	nc	Performs a null-coalescing of the specified arguments.

See Also

Helper Class
com.mindfusion.common Namespace

Helper Constructor

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Helper ()
```

See Also

Helper Class
com.mindfusion.common Namespace

Helper Methods

Helper.as(_T, _S) Method

Performs a try cast of o to class c.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static <_T, _S> _T as (
    _S o,
    Class<?> c
)
```

Parameters

o

c

Return Value

See Also

Helper Members
Helper Class
com.mindfusion.common Namespace

Helper.getLength Method

Overload List

Name	Description
Helper.getLength (Double[][], Int32)	Returns the specified dimension of the specified two-dimensional array.
Helper.getLength (Int16[][], Int32)	Returns the specified dimension of the specified two-dimensional array.
Helper.getLength (Int32[][], Int32)	Returns the specified dimension of the specified two-dimensional array.
Helper.getLength (Single[][], Int32)	Returns the specified dimension of the specified two-dimensional array.
Helper.getLength(_T) (_T[][], Int32)	

See Also

Helper Members
Helper Class
com.mindfusion.common Namespace

Helper.getLength Method (Double[][], Int32)

Returns the specified dimension of the specified two-dimensional array.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static int getLength (
    double[][] array,
    int dimension
)
```

Parameters

array

dimension

Return Value

See Also

getLength Method Overload List
Helper Members
Helper Class
com.mindfusion.common Namespace

Helper.getLength Method (Int16[][], Int32)

Returns the specified dimension of the specified two-dimensional array.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static int getLength (
    short[][] array,
    int dimension
)
```

Parameters

array

dimension

Return Value

See Also

getLength Method Overload List
Helper Members
Helper Class
com.mindfusion.common Namespace

Helper.getLength Method (Int32[][], Int32)

Returns the specified dimension of the specified two-dimensional array.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static int getLength (
    int[][] array,
    int dimension
)
```

Parameters

array

dimension

Return Value

See Also

getLength Method Overload List
Helper Members
Helper Class
com.mindfusion.common Namespace

Helper.getLength Method (Single[][], Int32)

Returns the specified dimension of the specified two-dimensional array.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static int getLength (
    float[][] array,
    int dimension
)
```

Parameters

array

dimension

Return Value

See Also

getLength Method Overload List
Helper Members
Helper Class
com.mindfusion.common Namespace

Helper.getLength(_T) Method (_T[][], Int32)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static <_T> int getLength (
    _T[][] array,
```

```
    int dimension
)
```

Parameters

array

dimension

Return Value

See Also

getLength Method Overload List
Helper Members
Helper Class
com.mindfusion.common Namespace

Helper.nc(_T, _S1, _S2) Method

Performs a null-coalescing of the specified arguments.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static <_T, _S1, _S2> _T nc (
    _S1 s1,
    _S2 s2
)
```

Parameters

s1

s2

Return Value

See Also

Helper Members
Helper Class
com.mindfusion.common Namespace

HorizontalAlignment Class

Specifies how an object or text is horizontally aligned relative to an element.

Syntax

Java

```
public class HorizontalAlignment
```

Inheritance Hierarchy

java.lang.Object
com.mindfusion.common.HorizontalAlignment

See Also

HorizontalAlignment Members
com.mindfusion.common Namespace

HorizontalAlignment Members

Specifies how an object or text is horizontally aligned relative to an element.

The following tables list the members exposed by the HorizontalAlignment type.

Public Fields

	Name	Description
	Center	The object or text is aligned in the center of the control element.
	Left	The object or text is aligned on the left of the control element.
	Right	The object or text is aligned on the right of the control element.

See Also

HorizontalAlignment Class
com.mindfusion.common Namespace

HorizontalAlignment Fields

HorizontalAlignment.Center Field

The object or text is aligned in the center of the control element.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public static final int Center`

See Also

HorizontalAlignment Members
HorizontalAlignment Class
com.mindfusion.common Namespace

HorizontalAlignment.Left Field

The object or text is aligned on the left of the control element.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static final int Left
```

See Also

HorizontalAlignment Members
HorizontalAlignment Class
com.mindfusion.common Namespace

HorizontalAlignment.Right Field

The object or text is aligned on the right of the control element.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static final int Right
```

See Also

HorizontalAlignment Members
HorizontalAlignment Class
com.mindfusion.common Namespace

IntegerComparison Class

Syntax

Java

```
public class IntegerComparison implements Comparison<T>
```

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.common.IntegerComparison

See Also

IntegerComparison Members
com.mindfusion.common Namespace

IntegerComparison Members

The following tables list the members exposed by the IntegerComparison type.

Public Constructors

	Name	Description
	IntegerComparison	

Public Methods

	Name	Description
	invoke	

See Also

IntegerComparison Class
com.mindfusion.common Namespace

IntegerComparison Constructor

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public IntegerComparison ()
```

See Also

IntegerComparison Class
com.mindfusion.common Namespace

IntegerComparison Methods

IntegerComparison.invoke Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public int invoke (
    Integer x,
    Integer y
)
```

Parameters

x

y

Return Value

See Also

IntegerComparison Members
IntegerComparison Class
com.mindfusion.common Namespace

InvalidFormatException Class

Thrown during deserialization if the supplied source is not in the appropriate format.

Syntax

Java
`public class InvalidFormatException extends RuntimeException`

Inheritance Hierarchy

java.lang.Object
  java.lang.Throwable
    java.lang.Exception
      java.lang.RuntimeException
        com.mindfusion.common.InvalidFormatException

See Also

InvalidFormatException Members
com.mindfusion.common Namespace

InvalidFormatException Members

Thrown during deserialization if the supplied source is not in the appropriate format.

The following tables list the members exposed by the InvalidFormatException type.

Public Constructors

	Name	Description
	InvalidFormatException	Overloaded.

See Also

InvalidFormatException Constructor

Overload List

Name	Description
InvalidFormatException ()	Initializes a new instance of the InvalidFormatException class.
InvalidFormatException (String)	Initializes a new instance of the **InvalidFormatException** class.

See Also

InvalidFormatException Class
com.mindfusion.common Namespace

InvalidFormatException Constructor ()

Initializes a new instance of the InvalidFormatException class.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public InvalidFormatException ()
```

See Also

InvalidFormatException Constructor Overload List
InvalidFormatException Class
com.mindfusion.common Namespace

InvalidFormatException Constructor (String)

Initializes a new instance of the InvalidFormatException class.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public InvalidFormatException (
    String message
)
```

Parameters

message

See Also

InvalidFormatException Constructor Overload List
InvalidFormatException Class
com.mindfusion.common Namespace

InvalidOperationException Class

Thrown when performing an operation that is considered illegal in the current context.

Syntax

Java
`public class InvalidOperationException extends RuntimeException`

Inheritance Hierarchy

java.lang.Object
  java.lang.Throwable
    java.lang.Exception
      java.lang.RuntimeException
        com.mindfusion.common.InvalidOperationException

See Also

InvalidOperationException Members
com.mindfusion.common Namespace

InvalidOperationException Members

Thrown when performing an operation that is considered illegal in the current context.

The following tables list the members exposed by the InvalidOperationException type.

Public Constructors

	Name	Description
	InvalidOperationException	Overloaded.

See Also

InvalidOperationException Class
com.mindfusion.common Namespace

InvalidOperationException Constructor

Overload List

Name	Description
InvalidOperationException ()	Initializes a new instance of the InvalidOperationException class.
InvalidOperationException (String)	Initializes a new instance of the **InvalidOperationException** class.

See Also

InvalidOperationException Class
com.mindfusion.common Namespace

InvalidOperationException Constructor ()

Initializes a new instance of the InvalidOperationException class.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public InvalidOperationException ()
```

See Also

InvalidOperationException Constructor Overload List
InvalidOperationException Class
com.mindfusion.common Namespace

InvalidOperationException Constructor (String)

Initializes a new instance of the InvalidOperationException class.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public InvalidOperationException (
    String message
)
```

Parameters

message

See Also

InvalidOperationException Constructor Overload List
InvalidOperationException Class
com.mindfusion.common Namespace

ISupportInitialize Interface

Syntax

Java
`public interface ISupportInitialize`

See Also

ISupportInitialize Members
com.mindfusion.common Namespace

ISupportInitialize Members

The following tables list the members exposed by the ISupportInitialize type.

Public Methods

	Name	Description
	beginInit	
	endInit	

See Also

ISupportInitialize Interface
com.mindfusion.common Namespace

ISupportInitialize Methods

ISupportInitialize.beginInit Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`void beginInit ()`

See Also

ISupportInitialize Members
ISupportInitialize Interface
com.mindfusion.common Namespace

ISupportInitialize.endInit Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`void endInit ()`

See Also

ISupportInitialize Members
ISupportInitialize Interface
com.mindfusion.common Namespace

JsonContext Class

Syntax

Java
`public class JsonContext`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.common.JsonContext
    com.mindfusion.scheduling.model.JsonSerializationContext

See Also

JsonContext Members
com.mindfusion.common Namespace

JsonContext Members

The following tables list the members exposed by the JsonContext type.

Public Constructors

	Name	Description
	JsonContext	

Protected Fields

	Name	Description
	brushes	
	inplaceImages	
	inplaceResources	

Public Methods

	Name	Description
	parse	Deserializes the specified JSON formatted string to a JsonObject.
	readBrush	Overloaded.
	readBrushColor	Reads a Brush object with the specified color.
	readBrushes	Reads all brushes.
	readColor	Overloaded.
	readEnum	Reads an enum value.
S	readFile	Reads json file
	readFont	Overloaded.
	readImage	Reads an Image object.
	readImages	Reads all images.
	readObject	
	readPen	Overloaded.
	readPointF	Reads a **Point2D.Float** object.
	readPointString	Reads a list of points.
	readRectangleF	Reads a Rectangle2D.Float object.
	readSizeF	read the SizeF object
	readStringFormat	Reads a StringFormat object.
	serialize	Serializes the specified JsonObject to a JSON formatted string.
	writeBrush	Writes a MindFusion.Drawing.Brush object.
	writeBrushColor	Writes the color of the specified brush.
	writeBrushes	Writes all currently accumulated brushes.
	writeColor	Writes a Color object.
	writeEnum	Writes an enum value.
S	writeFile	Writes serialized json to file.

	writeFont	Writes a Font object.
	writeImage	Writes an Image object.
	writeImages	Writes all currently accumulated images.
	writeObject	
	writePen	Writes a MindFusion.Drawing.Pen object.
	writePointF	Writes a PointF object.
	writePointString	Writes a Point string.
	writeRectangleF	Writes a RectangleF object.
	writeSizeF	Writes a sizeF object
	writeStringFormat	Writes a StringFormat object.

Protected Methods

	Name	Description
	Base64Decode	
	base64Encode	
	toCamelCase	
	toPascalCase	

See Also

JsonContext Class
com.mindfusion.common Namespace

JsonContext Fields

JsonContext.brushes Field

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
protected List<Brush> brushes
```

See Also

JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.inplaceImages Field

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
protected boolean inplaceImages
```

See Also

JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.inplaceResources Field

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
protected boolean inplaceResources
```

See Also

JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext Constructor

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public JsonContext ()
```

See Also

JsonContext Class
com.mindfusion.common Namespace

JsonContext Methods

JsonContext.Base64Decode Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
protected static String Base64Decode (
    String base64EncodedData
)
```

Parameters

base64EncodedData

Return Value

See Also

JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.base64Encode Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
protected static String base64Encode (
    String plainText
)
```

Parameters

plainText

Return Value

See Also

JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.parse Method

Deserializes the specified JSON formatted string to a JsonObject.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

`public JsonObject parse (`
`  String json`
`)`

Parameters

json
The JSON string.

Return Value

The deserialized JsonObject.

See Also

JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.readBrush Method

Overload List

Name	Description
JsonContext.readBrush (JsonValue)	Reads a MindFusion.Drawing.Brush object.
JsonContext.readBrush (JsonValue, Brush)	Reads a MindFusion.Drawing.Brush object.

See Also

JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.readBrush Method (JsonValue)

Reads a MindFusion.Drawing.Brush object.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public Brush readBrush (` `  JsonValue value`

```
)
```

Parameters

value
A JsonValue

Return Value

Brush Object

See Also

readBrush Method Overload List
JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.readBrush Method (JsonValue, Brush)

Reads a MindFusion.Drawing.Brush object.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Brush readBrush (
    JsonValue value,
    Brush defaultValue
)
```

Parameters

value
A JsonValue

defaultValue
A Brush to return in case JsonValue == null

Return Value

A Brush Object

See Also

readBrush Method Overload List
JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.readBrushColor Method

Reads a Brush object with the specified color.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public Brush readBrushColor (
    JsonValue value
)
```

Parameters

value
A JsonValue

Return Value

A Brush Object

See Also

JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.readBrushes Method

Reads all brushes.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public void readBrushes (
    JsonValue value
)
```

Parameters

value
List of Brushes

See Also

JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.readColor Method

Overload List

Name	Description
JsonContext.readColor (JsonValue)	
JsonContext.readColor (JsonValue, Color)	Reads a color.

See Also

JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.readColor Method (JsonValue)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Color readColor (
    JsonValue value
)
```

Parameters

value
A JsonValue

Return Value

A Color

See Also

readColor Method Overload List
JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.readColor Method (JsonValue, Color)

Reads a color.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Color readColor (
    JsonValue value,
    Color defaultValue
)
```

Parameters

value
A JsonValue

defaultValue
A default Color to return in case value or value.getValue() == null

Return Value

A **Color** Object

See Also

readColor Method Overload List
JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.readEnum Method

Reads an enum value.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public int readEnum (
    JsonValue value
)
```

Parameters

value
A JsonValue

Return Value

-1 if value is null or int value of given Enum.

See Also

JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.readFile Method

Reads json file

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

`public static String readFile (`
`  String fileName`
`)`

Parameters

fileName
a Name from where Json is read

Return Value

a String.

See Also

JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.readFont Method

Overload List

Name	Description
JsonContext.readFont (JsonObject)	Reads a Font object.
JsonContext.readFont (JsonObject, Font)	Reads a Font object.

See Also

JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.readFont Method (JsonObject)

Reads a Font object.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public Font readFont (` `  JsonObject obj`

```
)
```

Parameters

obj
A JsonObject containing Font Details

Return Value

A Font Object

See Also

readFont Method Overload List
JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.readFont Method (JsonObject, Font)

Reads a Font object.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Font readFont (
    JsonObject obj,
    Font defaultFont
)
```

Parameters

obj
A JsonObject containing Font Details

defaultFont
A default Font Object to return in case JsonObject == null

Return Value

A Font Object

See Also

readFont Method Overload List
JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.readImage Method

Reads an Image object.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public Image readImage (
    JsonValue value
)
```

Parameters

value
A JsonValue containing image index

Return Value

A Image Object

See Also

JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.readImages Method

Reads all images.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public void readImages (
    JsonValue value
)
```

Parameters

value
A JsonValue containing ArrayList

See Also

JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.readObject Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

`public Object readObject (`
`  JsonValue value`
`)`

Parameters

value
A JsonValue Object

Return Value

A value wrapped in JsonVaue Object or null

See Also

JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.readPen Method

Overload List

Name	Description
JsonContext.readPen (JsonValue)	Reads a MindFusion.Drawing.Pen object.
JsonContext.readPen (JsonValue, Pen)	Reads a MindFusion.Drawing.Pen object.

See Also

JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.readPen Method (JsonValue)

Reads a MindFusion.Drawing.Pen object.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

`public Pen readPen (`
`  JsonValue value`
`)`

Parameters

value
A JsonValue

Return Value

Pen Object

See Also

readPen Method Overload List
JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.readPen Method (JsonValue, Pen)

Reads a MindFusion.Drawing.Pen object.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Pen readPen (
    JsonValue value,
    Pen defaultPen
)
```

Parameters

value
A JsonValue

defaultPen
A Default Pen Object to return in case if value or value.getValue() == null

Return Value

Pen Object

See Also

readPen Method Overload List
JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.readPointF Method

Reads a **Point2D.Float** object.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Point2D.Float readPointF (
    JsonValue value
)
```

Parameters

value
JsonValue

Return Value

Point2D.Float

See Also

JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.readPointString Method

Reads a list of points.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public List<Point2D.Float> readPointString (
    JsonValue value
)
```

Parameters

value
JsonValue

Return Value

List<Point2D.Float>

See Also

JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.readRectangleF Method

Reads a Rectangle2D.Float object.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public Rectangle2D.Float readRectangleF (
    JsonValue value
)
```

Parameters

value
A JsonValue object

Return Value

Rectangle2D.Float wrapped in JsonValue Object

See Also

JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.readSizeF Method

read the SizeF object

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public XDimension2D.Double readSizeF (
    JsonValue value
)
```

Parameters

value
JsonValue

Return Value

Dimension

See Also

JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.readStringFormat Method

Reads a StringFormat object.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public TextFormat readStringFormat (
    JsonValue value
)
```

Parameters

value
JsonValue

Return Value

TextLayoutOptions

See Also

JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.serialize Method

Serializes the specified JsonObject to a JSON formatted string.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public String serialize (
    JsonObject obj
)
```

Parameters

obj
The JsonObject to serialize.

Return Value

The serialized string.

See Also

JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.toCamelCase Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
protected static String toCamelCase (
    String text
)
```

Parameters

text

Return Value

See Also

JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.toPascalCase Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
protected static String toPascalCase (
    String text
)
```

Parameters

text

Return Value

See Also

JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.writeBrush Method

Writes a MindFusion.Drawing.Brush object.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public JsonValue writeBrush (
    Brush brush
)
```

Parameters

brush
a Brush that has to be written

Return Value

JsonValue

See Also

JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.writeBrushColor Method

Writes the color of the specified brush.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public JsonValue writeBrushColor (
    Brush brush
)
```

Parameters

brush

Return Value

See Also

JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.writeBrushes Method

Writes all currently accumulated brushes.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public JsonValue writeBrushes ()
```

Return Value

JsonValue

See Also

JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.writeColor Method

Writes a Color object.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public JsonValue writeColor (
    Color color
)
```

Parameters

color
a **Color** to be written

Return Value

JsonValue

See Also

JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.writeEnum Method

Writes an enum value.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
```

```
public JsonValue writeEnum (
    Object enumValue
)
```

Parameters

enumValue
a value to be written

Return Value

JsonValue

See Also

JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.writeFile Method

Writes serialized json to file.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static void writeFile (
    String fileName,
    String fileContent
)
```

Parameters

fileName
A file path.

fileContent
serialized JSON content.

See Also

JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.writeFont Method

Writes a Font object.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public JsonObject writeFont (
    Font font
)
```

Parameters

font

Return Value

JsonValue

See Also

JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.writeImage Method

Writes an Image object.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public JsonValue writeImage (
    Image image
)
```

Parameters

image
a **Image** to be written

Return Value

JsonValue

See Also

JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.writeImages Method

Writes all currently accumulated images.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public JsonValue writeImages ()
```

Return Value

JsonValue

See Also

JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.writeObject Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public JsonValue writeObject (
    Object o
)
```

Parameters

o
A Object to wrap in JsonValue

Return Value

A JsonValue Object

See Also

JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.writePen Method

Writes a MindFusion.Drawing.Pen object.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public JsonValue writePen (
    Pen pen
)
```

Parameters

pen
a Pen to be written

Return Value

JsonValue

See Also

JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.writePointF Method

Writes a PointF object.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public JsonObject writePointF (
    Point2D.Float point
)
```

Parameters

point
Point2D.Float

Return Value

JsonObject

See Also

JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.writePointString Method

Writes a Point string.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public JsonValue writePointString (
    List<Point2D.Float> points
```

```
)
```

Parameters

points
List<Point2D.Float>

Return Value

JsonValue

See Also

JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.writeRectangleF Method

Writes a RectangleF object.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public JsonObject writeRectangleF (
    Rectangle2D rectangle
)
```

Parameters

rectangle
Rectangle2D.Float

Return Value

JsonObject

See Also

JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.writeSizeF Method

Writes a sizeF object

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public JsonObject writeSizeF (
    Dimension2D size
)
```

Parameters

size
Dimension

Return Value

JsonObject

See Also

JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonContext.writeStringFormat Method

Writes a StringFormat object.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public JsonValue writeStringFormat (
    TextFormat stringFormat
)
```

Parameters

stringFormat
The StringFormat to write.

Return Value

JsonValue

See Also

JsonContext Members
JsonContext Class
com.mindfusion.common Namespace

JsonConverter Class

Syntax

Java

```
public class JsonConverter
```

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.common.JsonConverter

See Also

JsonConverter Members
com.mindfusion.common Namespace

JsonConverter Members

The following tables list the members exposed by the JsonConverter type.

Public Methods

	Name	Description
	fromBase64String	Converts the specified encoded string to plain text
	fromBoolean	
	fromColor	Converts the specified Color to string. boolean hex param is a param to indicate whether color has to be converted to Hex value. The Default resulting string is in the format rgba(0,0,0,0).
	fromDouble	
	fromImage	Converts the specified image to string.
	fromInt16	
	fromInt32	
	fromInt64	
	fromPointString	Converts the specified comma separated string to a list of PointF objects.
	fromSingle	
	toBase64String	Converts the specified plainText string to Base64String
	toBoolean	
	toColor	
	toDouble	
	toImage	Converts the specified string value to image.
	toInt16	
	toInt32	
	toInt64	

	toPointString	Converts the list of PointF objects to a comma separated string.
	toSingle	

See Also

JsonConverter Class
com.mindfusion.common Namespace

JsonConverter Methods

JsonConverter.fromBase64String Method

Converts the specified encoded string to plain text

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static String fromBase64String (
    String base64EncodedData
)
```

Parameters

base64EncodedData
encoded string

Return Value

decoded string

See Also

JsonConverter Members
JsonConverter Class
com.mindfusion.common Namespace

JsonConverter.fromBoolean Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static String fromBoolean (
    boolean val
)
```

Parameters

val

Return Value

See Also

JsonConverter Members
JsonConverter Class
com.mindfusion.common Namespace

JsonConverter.fromColor Method

Converts the specified Color to string. boolean hex param is a param to indicate whether color has to be converted to Hex value. The Default resulting string is in the format rgba(0,0,0,0).

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static String fromColor (
    Color val,
    boolean hex
)
```

Parameters

val

hex

Return Value

See Also

JsonConverter Members
JsonConverter Class
com.mindfusion.common Namespace

JsonConverter.fromDouble Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static String fromDouble (
    double val
)
```

Parameters

val

Return Value

See Also

JsonConverter Members
JsonConverter Class
com.mindfusion.common Namespace

JsonConverter.fromImage Method

Converts the specified image to string.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static String fromImage (
    Image val
)
```

Parameters

val
The image object to convert.

Return Value

A string representing the specified value.

See Also

JsonConverter Members
JsonConverter Class
com.mindfusion.common Namespace

JsonConverter.fromInt16 Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static String fromInt16 (
    short val
)
```

Parameters

val

Return Value

See Also

JsonConverter Members
JsonConverter Class
com.mindfusion.common Namespace

JsonConverter.fromInt32 Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static String fromInt32 (
    int val
)
```

Parameters

val

Return Value

See Also

JsonConverter Members
JsonConverter Class
com.mindfusion.common Namespace

JsonConverter.fromInt64 Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static String fromInt64 (
    long val
)
```

Parameters

val

Return Value

See Also

JsonConverter Members
JsonConverter Class
com.mindfusion.common Namespace

JsonConverter.fromPointString Method

Converts the specified comma separated string to a list of PointF objects.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static List<Point2D.Float> fromPointString (
    String s
)
```

Parameters

s
The comma separated string.

Return Value

A list of PointF objects.

See Also

JsonConverter Members
JsonConverter Class
com.mindfusion.common Namespace

JsonConverter.fromSingle Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static String fromSingle (
    float val
)
```

Parameters

val

Return Value

See Also

JsonConverter Members
JsonConverter Class

JsonConverter.toBase64String Method

Converts the specified plainText string to Base64String

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static String toBase64String (
    String plainText
)
```

Parameters

plainText
string

Return Value

string

See Also

JsonConverter Members
JsonConverter Class
com.mindfusion.common Namespace

JsonConverter.toBoolean Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static boolean toBoolean (
    String s
)
```

Parameters

s

Return Value

See Also

JsonConverter Members
JsonConverter Class
com.mindfusion.common Namespace

JsonConverter.toColor Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Color toColor (
    String s
)
```

Parameters

s

Return Value

See Also

JsonConverter Members
JsonConverter Class
com.mindfusion.common Namespace

JsonConverter.toDouble Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static double toDouble (
    String s
)
```

Parameters

s

Return Value

See Also

JsonConverter Members
JsonConverter Class
com.mindfusion.common Namespace

JsonConverter.toImage Method

Converts the specified string value to image.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Image toImage (
    String s
)
```

Parameters

s

Return Value

See Also

JsonConverter Members
JsonConverter Class
com.mindfusion.common Namespace

JsonConverter.toInt16 Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static short toInt16 (
    String s
)
```

Parameters

s

Return Value

See Also

JsonConverter Members
JsonConverter Class
com.mindfusion.common Namespace

JsonConverter.toInt32 Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static int toInt32 (
    String s
)
```

Parameters

s

Return Value

See Also

JsonConverter Members
JsonConverter Class
com.mindfusion.common Namespace

JsonConverter.toInt64 Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static long toInt64 (
    String s
)
```

Parameters

s

Return Value

See Also

JsonConverter Members
JsonConverter Class
com.mindfusion.common Namespace

JsonConverter.toPointString Method

Converts the list of PointF objects to a comma separated string.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static String toPointString (
    List<Point2D.Float> points
)
```

Parameters

points
The list of PointF objects to convert.

Return Value

A comma separated string.

See Also

JsonConverter Members
JsonConverter Class
com.mindfusion.common Namespace

JsonConverter.toSingle Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static float toSingle (
    String s
)
```

Parameters

s

Return Value

See Also

JsonConverter Members
JsonConverter Class
com.mindfusion.common Namespace

JsonObject Class

Represents a dictionary of property names and values.

Syntax

Java

```
public class JsonObject extends LinkedHashMap<K, V>
```

Inheritance Hierarchy

java.lang.Object
  java.util.AbstractMap(K, V)
    java.util.HashMap(K, V)

java.util.LinkedHashMap(K, V)
com.mindfusion.common.JsonObject

See Also

JsonObject Members
com.mindfusion.common Namespace

JsonObject Members

Represents a dictionary of property names and values.

The following tables list the members exposed by the JsonObject type.

Public Constructors

	Name	Description
	JsonObject	Initializes a new instance of the JsonObject class.

Public Methods

	Name	Description
	fromDictionary	Converts a generic dictionary to a JsonObject.
	getValue	Overloaded.

See Also

JsonObject Class
com.mindfusion.common Namespace

JsonObject Constructor

Initializes a new instance of the JsonObject class.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public JsonObject ()`

See Also

JsonObject Class
com.mindfusion.common Namespace

JsonObject Methods

JsonObject.fromDictionary Method

Converts a generic dictionary to a JsonObject.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static JsonObject fromDictionary (
    Map<?, ?> map
)
```

Parameters

map
Object that has to be converted to JsonObject

Return Value

A JsonObject

See Also

JsonObject Members
JsonObject Class
com.mindfusion.common Namespace

JsonObject.getValue Method

Overload List

Name	Description
JsonObject.getValue (String)	return the value associated with key or default value
JsonObject.getValue (String, JsonValue)	return the value associated with key or default value

See Also

JsonObject Members
JsonObject Class
com.mindfusion.common Namespace

JsonObject.getValue Method (String)

return the value associated with key or default value

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public JsonValue getValue (
    String key
)
```

Parameters

key
String

Return Value

JsonValue

See Also

getValue Method Overload List
JsonObject Members
JsonObject Class
com.mindfusion.common Namespace

JsonObject.getValue Method (String, JsonValue)

return the value associated with key or default value

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public JsonValue getValue (
    String key,
    JsonValue defaultValue
)
```

Parameters

key
string

defaultValue
JsonValue

Return Value

JsonValue object

See Also

getValue Method Overload List
JsonObject Members
JsonObject Class
com.mindfusion.common Namespace

JsonValue Class

Syntax

Java
`public class JsonValue`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.common.JsonValue

See Also

JsonValue Members
com.mindfusion.common Namespace

JsonValue Members

The following tables list the members exposed by the JsonValue type.

Public Constructors

	Name	Description
	JsonValue	Initializes a new instance of the JsonValue class.

Public Methods

	Name	Description
	equals	
S	fromBoolean	Converts a boolean to JsonValue.
S	fromDateTime	Converts a DateTime to JsonValue.
S	fromDouble	Converts a double to JsonValue.
S	fromFloat	Converts a float to JsonValue.
S	fromInt	Converts an int to JsonValue.
S	fromJsonObject	Converts a JsonObject to JsonValue.
S	fromLong	Converts a long to JsonValue.
	getValue	
	hashCode	
	toArrayList	Converts the value to ArrayList.
S	toBoolean	Converts the value to boolean value

	toDateTime	Converts the value to DateTime.
	toDouble	Converts the value to double.
	toFloat	Converts the value to float.
	toInt	Converts the value to int.
	toJsonObject	Converts the value to JsonObject.
	toJsonValue	Converts a string to JsonValue.
	toLong	Converts the value to long.
	toString	Overloaded.

See Also

JsonValue Class
com.mindfusion.common Namespace

JsonValue Constructor

Initializes a new instance of the JsonValue class.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public JsonValue (
    Object value
)
```

Parameters

value
a json value

See Also

JsonValue Class
com.mindfusion.common Namespace

JsonValue Methods

JsonValue.equals Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public boolean equals (
    Object o
)
```

Parameters

o

Return Value

See Also

JsonValue Members
JsonValue Class
com.mindfusion.common Namespace

JsonValue.fromBoolean Method

Converts a boolean to JsonValue.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static JsonValue fromBoolean (
    boolean value
)
```

Parameters

value
Boolean

Return Value

Json representation of Boolean value.

See Also

JsonValue Members
JsonValue Class
com.mindfusion.common Namespace

JsonValue.fromDateTime Method

Converts a DateTime to JsonValue.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static JsonValue fromDateTime (
    DateTime value
)
```

Parameters

value
A DateTime

Return Value

A JsonValue

See Also

JsonValue Members
JsonValue Class
com.mindfusion.common Namespace

JsonValue.fromDouble Method

Converts a double to JsonValue.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static JsonValue fromDouble (
    double value
)
```

Parameters

value
A double value

Return Value

A JsonValue

See Also

JsonValue Members
JsonValue Class
com.mindfusion.common Namespace

JsonValue.fromFloat Method

Converts a float to JsonValue.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public static JsonValue fromFloat (
    float value
)
```

Parameters

value
A Float

Return Value

A JsonValue

See Also

JsonValue Members
JsonValue Class
com.mindfusion.common Namespace

JsonValue.fromInt Method

Converts an int to JsonValue.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public static JsonValue fromInt (
    int value
)
```

Parameters

value
int valie

Return Value

A JsonValue

See Also

JsonValue Members
JsonValue Class
com.mindfusion.common Namespace

JsonValue.fromJsonObject Method

Converts a JsonObject to JsonValue.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static JsonValue fromJsonObject (
    JsonObject value
)
```

Parameters

value
A JsonObject

Return Value

A JsonValue

See Also

JsonValue Members
JsonValue Class
com.mindfusion.common Namespace

JsonValue.fromLong Method

Converts a long to JsonValue.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static JsonValue fromLong (
    long value
)
```

Parameters

value
Long value

Return Value

JsonValue

See Also

JsonValue Members
JsonValue Class
com.mindfusion.common Namespace

JsonValue.getValue Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Object getValue ()
```

Return Value

this.value

See Also

JsonValue Members
JsonValue Class
com.mindfusion.common Namespace

JsonValue.hashCode Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public int hashCode ()
```

Return Value

See Also

JsonValue Members
JsonValue Class
com.mindfusion.common Namespace

JsonValue.toArrayList Method

Converts the value to ArrayList.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public ArrayList toArrayList ()
```

Return Value

A **ArrayList**

See Also

JsonValue Members
JsonValue Class
com.mindfusion.common Namespace

JsonValue.toBoolean Method

Converts the value to boolean value

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static boolean toBoolean (
    JsonValue value
)
```

Parameters

value
A JsonValue Object

Return Value

Boolean representation of JSON value

See Also

JsonValue Members
JsonValue Class
com.mindfusion.common Namespace

JsonValue.toDateTime Method

Converts the value to DateTime.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static DateTime toDateTime (
    JsonValue value
)
```

Parameters

value
A JsonValue

Return Value

A DateTime

See Also

JsonValue Members
JsonValue Class
com.mindfusion.common Namespace

JsonValue.toDouble Method

Converts the value to double.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static double toDouble (
    JsonValue value
)
```

Parameters

value
A JsonValue

Return Value

A Double value

See Also

JsonValue Members
JsonValue Class
com.mindfusion.common Namespace

JsonValue.toFloat Method

Converts the value to float.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static float toFloat (
    JsonValue value
)
```

Parameters

value

JsonValue Object

Return Value

A Float valie

See Also

JsonValue Members
JsonValue Class
com.mindfusion.common Namespace

JsonValue.toInt Method

Converts the value to int.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static int toInt (
    JsonValue value
)
```

Parameters

value
A JsonValue

Return Value

int value

See Also

JsonValue Members
JsonValue Class
com.mindfusion.common Namespace

JsonValue.toJsonObject Method

Converts the value to JsonObject.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static JsonObject toJsonObject (
    JsonValue value
)
```

Parameters

value
A JsonValue

Return Value

A JsonObject

See Also

JsonValue Members
JsonValue Class
com.mindfusion.common Namespace

JsonValue.toJsonValue Method

Converts a string to JsonValue.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static JsonValue toJsonValue (
    String value
)
```

Parameters

value
A String

Return Value

JsonValue object

See Also

JsonValue Members
JsonValue Class
com.mindfusion.common Namespace

JsonValue.toLong Method

Converts the value to long.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static long toLong (
    JsonValue value
)
```

Parameters

value
A JsonValue

Return Value

Long value

See Also

JsonValue Members
JsonValue Class
com.mindfusion.common Namespace

JsonValue.toString Method

Overload List

Name	Description
JsonValue.toString ()	
JsonValue.toString (JsonValue)	Converts the value to string.

See Also

JsonValue Members
JsonValue Class
com.mindfusion.common Namespace

JsonValue.toString Method ()

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public String toString ()`

Return Value

See Also

toString Method Overload List
JsonValue Members
JsonValue Class
com.mindfusion.common Namespace

JsonValue.toString Method (JsonValue)

Converts the value to string.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static String toString (
    JsonValue value
)
```

Parameters

value
A JsonValie

Return Value

A String value

See Also

toString Method Overload List
JsonValue Members
JsonValue Class
com.mindfusion.common Namespace

KeyValuePair(K, V) Class

Syntax

Java

```
public class KeyValuePair<K, V> implements Map.Entry<K, V>, Cloneable
```

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.common.KeyValuePair(K, V)

See Also

KeyValuePair(K, V) Members
com.mindfusion.common Namespace

KeyValuePair(K, V) Members

The following tables list the members exposed by the KeyValuePair(K, V) type.

Public Constructors

	Name	Description
	KeyValuePair	

Public Methods

	Name	Description
	clone	
	getKey	
	getValue	
	setValue	

See Also

KeyValuePair(K, V) Class
com.mindfusion.common Namespace

KeyValuePair(K, V) Constructor

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public KeyValuePair (
    K key,
    V value
)
```

Parameters

key

value

See Also

KeyValuePair(K, V) Class
com.mindfusion.common Namespace

KeyValuePair(K, V) Methods

KeyValuePair(K, V).clone Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public Object clone ()
```

Return Value

See Also

KeyValuePair(K, V) Members
KeyValuePair(K, V) Class
com.mindfusion.common Namespace

KeyValuePair(K, V).getKey Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public K getKey ()
```

Return Value

See Also

KeyValuePair(K, V) Members
KeyValuePair(K, V) Class
com.mindfusion.common Namespace

KeyValuePair(K, V).getValue Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public V getValue ()
```

Return Value

See Also

KeyValuePair(K, V) Members
KeyValuePair(K, V) Class
com.mindfusion.common Namespace

KeyValuePair(K, V).setValue Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public V setValue (
    V value
)
```

Parameters

value

Return Value

See Also

KeyValuePair(K, V) Members
KeyValuePair(K, V) Class
com.mindfusion.common Namespace

License Class

Syntax

```
Java
public class License
```

Inheritance Hierarchy

java.lang.Object
    com.mindfusion.common.License

See Also

License Members
com.mindfusion.common Namespace

License Members

The following tables list the members exposed by the License type.

Public Methods

	Name	Description
	getExpiration	
	getNumberOfUsers	

	getProduct	
S	licenseFromKey	
S	licenseFromKeyFallback	

See Also

License Class
com.mindfusion.common Namespace

License Methods

License.getExpiration Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public Calendar getExpiration ()`

Return Value

See Also

License Members
License Class
com.mindfusion.common Namespace

License.getNumberOfUsers Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public int getNumberOfUsers ()`

Return Value

See Also

License Members
License Class
com.mindfusion.common Namespace

License.getProduct Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public String getProduct ()
```

Return Value

See Also

License Members
License Class
com.mindfusion.common Namespace

License.licenseFromKey Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static License licenseFromKey (
    String key
)
```

Parameters

key

Return Value

See Also

License Members
License Class
com.mindfusion.common Namespace

License.licenseFromKeyFallback Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static License licenseFromKeyFallback (
    String key
```

```
)
```

Parameters

key

Return Value

See Also

License Members
License Class
com.mindfusion.common Namespace

LicenseManager Class

Syntax

Java
`public class LicenseManager`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.common.LicenseManager

See Also

LicenseManager Members
com.mindfusion.common Namespace

LicenseManager Members

The following tables list the members exposed by the LicenseManager type.

Public Constructors

	Name	Description
	LicenseManager	

Public Methods

	Name	Description
	addLicense	
	checkLicense	

See Also

LicenseManager Class
com.mindfusion.common Namespace

LicenseManager Constructor

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public LicenseManager ()
```

See Also

LicenseManager Class
com.mindfusion.common Namespace

LicenseManager Methods

LicenseManager.addLicense Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static void addLicense (
    String licenseKey
)
```

Parameters

licenseKey

See Also

LicenseManager Members
LicenseManager Class
com.mindfusion.common Namespace

LicenseManager.checkLicense Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static int checkLicense (
    String packageName,
    String[] productNames
)
```

Parameters

packageName

productNames

Return Value

See Also

LicenseManager Members
LicenseManager Class
com.mindfusion.common Namespace

ListChangedAction Class

Describes the action that caused a BaseListListener.listChanged event.

Syntax

Java

```
public class ListChangedAction
```

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.common.ListChangedAction

See Also

ListChangedAction Members
com.mindfusion.common Namespace

ListChangedAction Members

Describes the action that caused a BaseListListener.listChanged event.

The following tables list the members exposed by the ListChangedAction type.

Public Fields

	Name	Description
	Add	One or more items were added to the list.
	Remove	One or more items were removed from the list.
	Replace	One or more items were replaced in the list.

	Reset	The content of the list changed dramatically.

See Also

ListChangedAction Class
com.mindfusion.common Namespace

ListChangedAction Fields

ListChangedAction.Add Field

One or more items were added to the list.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static final int Add
```

See Also

ListChangedAction Members
ListChangedAction Class
com.mindfusion.common Namespace

ListChangedAction.Remove Field

One or more items were removed from the list.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static final int Remove
```

See Also

ListChangedAction Members
ListChangedAction Class
com.mindfusion.common Namespace

ListChangedAction.Replace Field

One or more items were replaced in the list.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public static final int Replace
```

See Also

ListChangedAction Members
ListChangedAction Class
com.mindfusion.common Namespace

ListChangedAction.Reset Field

The content of the list changed dramatically.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public static final int Reset
```

See Also

ListChangedAction Members
ListChangedAction Class
com.mindfusion.common Namespace

ListChangedEvent(E) Class

Provides data for the BaseListListener.listChanged event.

Syntax

```
Java
public class ListChangedEvent<E> extends EventObject
```

Inheritance Hierarchy

java.lang.Object
  java.util.EventObject
    com.mindfusion.common.ListChangedEvent(E)

See Also

ListChangedEvent(E) Members
com.mindfusion.common Namespace

ListChangedEvent(E) Members

Provides data for the BaseListListener.listChanged event.

The following tables list the members exposed by the ListChangedEvent(E) type.

Public Methods

	Name	Description
	getAction	Gets the action that caused the event.
	getNewItems	Gets the list of new items involved in the change.
	getOldItems	Gets the list of items affected by a Replace, Remove, or Reset action.

See Also

ListChangedEvent(E) Class
com.mindfusion.common Namespace

ListChangedEvent(E) Methods

ListChangedEvent(E).getAction Method

Gets the action that caused the event.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public int getAction ()
```

Return Value

One of the ListChangedAction constants.

See Also

ListChangedEvent(E) Members
ListChangedEvent(E) Class
com.mindfusion.common Namespace

ListChangedEvent(E).getNewItems Method

Gets the list of new items involved in the change.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public List<E> getNewItems ()
```

Return Value

A list with the new items.

See Also

ListChangedEvent(E) Members
ListChangedEvent(E) Class
com.mindfusion.common Namespace

ListChangedEvent(E).getOldItems Method

Gets the list of items affected by a Replace, Remove, or Reset action.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public List<E> getOldItems ()
```

Return Value

A list with the removed items.

See Also

ListChangedEvent(E) Members
ListChangedEvent(E) Class
com.mindfusion.common Namespace

ListItemEvent(E) Class

Provides data for the BaseListListener.itemAdded event.

Syntax

Java

```
public class ListItemEvent<E> extends EventObject
```

Inheritance Hierarchy

java.lang.Object
  java.util.EventObject
    com.mindfusion.common.ListItemEvent(E)

See Also

ListItemEvent(E) Members

Provides data for the BaseListListener.itemAdded event.

The following tables list the members exposed by the ListItemEvent(E) type.

Public Methods

	Name	Description
	getItem	Gets the item related to the event.

See Also

ListItemEvent(E) Class
com.mindfusion.common Namespace

ListItemEvent(E) Methods

ListItemEvent(E).getItem Method

Gets the item related to the event.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public E getItem ()
```

Return Value

The item related to the event.

See Also

ListItemEvent(E) Members
ListItemEvent(E) Class
com.mindfusion.common Namespace

MyCheckBoxIcon Class

Syntax

Java

```
public class MyCheckBoxIcon implements Icon, UIResource, Serializable
```

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.common.TriStateCheckBox.MyCheckBoxIcon

See Also

MyCheckBoxIcon Members
com.mindfusion.common Namespace

MyCheckBoxIcon Members

The following tables list the members exposed by the MyCheckBoxIcon type.

Public Constructors

	Name	Description
	MyCheckBoxIcon	

Public Methods

	Name	Description
	getIconHeight	
	getIconWidth	
	paintIcon	

Protected Methods

	Name	Description
	getControlSize	

See Also

MyCheckBoxIcon Class
com.mindfusion.common Namespace

MyCheckBoxIcon Constructor

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public MyCheckBoxIcon ()`

See Also

MyCheckBoxIcon Methods

MyCheckBoxIcon.getControlSize Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
protected int getControlSize ()
```

Return Value

See Also

MyCheckBoxIcon Members
MyCheckBoxIcon Class
com.mindfusion.common Namespace

MyCheckBoxIcon.getIconHeight Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public int getIconHeight ()
```

Return Value

See Also

MyCheckBoxIcon Members
MyCheckBoxIcon Class
com.mindfusion.common Namespace

MyCheckBoxIcon.getIconWidth Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public int getIconWidth ()
```

Return Value

See Also

MyCheckBoxIcon Members
MyCheckBoxIcon Class
com.mindfusion.common Namespace

MyCheckBoxIcon.paintIcon Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void paintIcon (
    Component c,
    Graphics g,
    int x,
    int y
)
```

Parameters

c

g

x

y

See Also

MyCheckBoxIcon Members
MyCheckBoxIcon Class
com.mindfusion.common Namespace

ObservableList(E) Class

Syntax

Java

```
public class ObservableList<E>
    extends AbstractList<E>
    implements Externalizable
```

Inheritance Hierarchy

java.lang.Object
  java.util.AbstractCollection(E)

java.util.AbstractList(E)
com.mindfusion.common.ObservableList(E)

See Also

ObservableList(E) Members
com.mindfusion.common Namespace

ObservableList(E) Members

The following tables list the members exposed by the ObservableList(E) type.

Public Constructors

	Name	Description
	ObservableList	Overloaded.

Protected Fields

	Name	Description
	list	

Public Methods

	Name	Description
	add	
	addListListener	
	contains	
	get	
	readExternal	
	remove	Overloaded.
	removeListListener	
	set	
	size	
	writeExternal	

Protected Methods

	Name	Description
	fireAdded	
	fireRemoved	
	fireReplaced	

See Also

ObservableList(E) Class
com.mindfusion.common Namespace

ObservableList(E) Fields

ObservableList(E).list Field

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`protected ArrayList<E> list`

See Also

ObservableList(E) Members
ObservableList(E) Class
com.mindfusion.common Namespace

ObservableList(E) Constructor

Overload List

Name	Description
ObservableList(E) ()	
ObservableList(E) (Collection(E))	
ObservableList(E) (Int32)	

See Also

ObservableList(E) Class
com.mindfusion.common Namespace

ObservableList(E) Constructor ()

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public ObservableList ()`

See Also

ObservableList(E) Constructor Overload List
ObservableList(E) Class
com.mindfusion.common Namespace

ObservableList(E) Constructor (Collection(E))

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public ObservableList (
    Collection<E> c
)
```

Parameters

c

See Also

ObservableList(E) Constructor Overload List
ObservableList(E) Class
com.mindfusion.common Namespace

ObservableList(E) Constructor (Int32)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public ObservableList (
    int capacity
)
```

Parameters

capacity

See Also

ObservableList(E) Constructor Overload List
ObservableList(E) Class
com.mindfusion.common Namespace

ObservableList(E) Methods

ObservableList(E).add Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void add (
    int index,
    E element
)
```

Parameters

index

element

See Also

ObservableList(E) Members
ObservableList(E) Class
com.mindfusion.common Namespace

ObservableList(E).addListListener Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void addListListener (
    ObservableListListener<E> listener
)
```

Parameters

listener

See Also

ObservableList(E) Members
ObservableList(E) Class
com.mindfusion.common Namespace

ObservableList(E).contains Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public boolean contains (
    Object element
)
```

Parameters

element

Return Value

See Also

ObservableList(E) Members
ObservableList(E) Class
com.mindfusion.common Namespace

ObservableList(E).fireAdded Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
protected void fireAdded (
    E newElement
)
```

Parameters

newElement

See Also

ObservableList(E) Members
ObservableList(E) Class
com.mindfusion.common Namespace

ObservableList(E).fireRemoved Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
protected void fireRemoved (
    E oldElement
)
```

Parameters

oldElement

See Also

ObservableList(E) Members
ObservableList(E) Class
com.mindfusion.common Namespace

ObservableList(E).fireReplaced Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
protected void fireReplaced (
    E oldElement,
    E newElement
)
```

Parameters

oldElement

newElement

See Also

ObservableList(E) Members
ObservableList(E) Class
com.mindfusion.common Namespace

ObservableList(E).get Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public E get (
    int index
)
```

Parameters

index

Return Value

See Also

ObservableList(E) Members
ObservableList(E) Class
com.mindfusion.common Namespace

ObservableList(E).readExternal Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void readExternal (
    ObjectInput in
)
```

Parameters

in

See Also

ObservableList(E) Members
ObservableList(E) Class
com.mindfusion.common Namespace

ObservableList(E).remove Method

Overload List

Name	Description
ObservableList(E).remove (Int32)	
ObservableList(E).remove (Object)	

See Also

ObservableList(E) Members
ObservableList(E) Class
com.mindfusion.common Namespace

ObservableList(E).remove Method (Int32)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public E remove (
    int index
)
```

Parameters

index

Return Value

See Also

remove Method Overload List
ObservableList(E) Members
ObservableList(E) Class
com.mindfusion.common Namespace

ObservableList(E).remove Method (Object)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public boolean remove (
    Object element
)
```

Parameters

element

Return Value

See Also

remove Method Overload List
ObservableList(E) Members
ObservableList(E) Class
com.mindfusion.common Namespace

ObservableList(E).removeListListener Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void removeListListener (
    ObservableListListener<E> listener
)
```

Parameters

listener

See Also

ObservableList(E) Members
ObservableList(E) Class
com.mindfusion.common Namespace

ObservableList(E).set Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public E set (
    int index,
    E element
)
```

Parameters

index

element

Return Value

See Also

ObservableList(E) Members
ObservableList(E) Class
com.mindfusion.common Namespace

ObservableList(E).size Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public int size ()
```

Return Value

See Also

ObservableList(E) Members
ObservableList(E) Class
com.mindfusion.common Namespace

ObservableList(E).writeExternal Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void writeExternal (
    ObjectOutput out
)
```

Parameters

out

See Also

ObservableList(E) Members
ObservableList(E) Class
com.mindfusion.common Namespace

ObservableListListener(E) Interface

Syntax

Java

```
public interface ObservableListListener<E> extends EventListener
```

See Also

ObservableListListener(E) Members
com.mindfusion.common Namespace

ObservableListListener(E) Members

The following tables list the members exposed by the ObservableListListener(E) type.

Public Methods

	Name	Description
	elementAdded	
	elementRemoved	

See Also

ObservableListListener(E) Interface
com.mindfusion.common Namespace

ObservableListListener(E) Methods

ObservableListListener(E).elementAdded Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
void elementAdded (
    E newElement
)
```

Parameters

newElement

See Also

ObservableListListener(E) Members
ObservableListListener(E) Interface
com.mindfusion.common Namespace

ObservableListListener(E).elementRemoved Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
void elementRemoved (
    E oldElement
)
```

Parameters

oldElement

See Also

ObservableListListener(E) Members
ObservableListListener(E) Interface
com.mindfusion.common Namespace

Orientation Enumeration

Specifies orientation.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public enum Orientation`

Members

	Member name	Description
	Horizontal	Horizontal orientation.
	Vertical	Vertical orientation.

See Also

com.mindfusion.common Namespace

OrientationConverter Class

Syntax

Java
`public class OrientationConverter implements CanConvert`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.common.OrientationConverter

See Also

OrientationConverter Members
com.mindfusion.common Namespace

OrientationConverter Members

The following tables list the members exposed by the OrientationConverter type.

Public Constructors

	Name	Description
	OrientationConverter	

Public Methods

	Name	Description
	canConvert	
S	convert	

See Also

OrientationConverter Class
com.mindfusion.common Namespace

OrientationConverter Constructor

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public OrientationConverter ()
```

See Also

OrientationConverter Class
com.mindfusion.common Namespace

OrientationConverter Methods

OrientationConverter.canConvert Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public boolean canConvert (
    String value
)
```

Parameters

value

Return Value

See Also

OrientationConverter Members
OrientationConverter Class
com.mindfusion.common Namespace

OrientationConverter.convert Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Orientation convert (
    String orientation
)
```

Parameters

orientation

Return Value

See Also

OrientationConverter Members
OrientationConverter Class
com.mindfusion.common Namespace

OverflowException Class

Thrown when an operation results in an overflow.

Syntax

Java

```
public class OverflowException extends RuntimeException
```

Inheritance Hierarchy

java.lang.Object
  java.lang.Throwable
    java.lang.Exception
      java.lang.RuntimeException
        com.mindfusion.common.OverflowException

See Also

OverflowException Members
com.mindfusion.common Namespace

OverflowException Members

Thrown when an operation results in an overflow.

The following tables list the members exposed by the OverflowException type.

See Also

OverflowException Class
com.mindfusion.common Namespace

Pair(TFirst, TSecond) Class

Defines a class used to store two related objects.

Syntax

Java
`public class Pair<TFirst, TSecond>`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.common.Pair(TFirst, TSecond)

See Also

Pair(TFirst, TSecond) Members
com.mindfusion.common Namespace

Pair(TFirst, TSecond) Members

Defines a class used to store two related objects.

The following tables list the members exposed by the Pair(TFirst, TSecond) type.

Public Constructors

	Name	Description
	Pair	Overloaded.

Public Methods

	Name	Description
	equals	
	getFirst	Gets the first object in the pair.
	getSecond	Gets the second object in the pair.
	hashCode	
	setFirst	Gets the first object in the pair.

	setSecond	Sets the second object in the pair.
	toString	

See Also

Pair(TFirst, TSecond) Class
com.mindfusion.common Namespace

Pair(TFirst, TSecond) Constructor

Overload List

Name	Description
Pair(TFirst, TSecond) ()	Initializes a new instance of the Pair class.
Pair(TFirst, TSecond) (TFirst, TSecond)	Initializes a new instance of the **Pair** class.

See Also

Pair(TFirst, TSecond) Class
com.mindfusion.common Namespace

Pair(TFirst, TSecond) Constructor ()

Initializes a new instance of the Pair class.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public Pair ()`

See Also

Pair(TFirst, TSecond) Constructor Overload List
Pair(TFirst, TSecond) Class
com.mindfusion.common Namespace

Pair(TFirst, TSecond) Constructor (TFirst, TSecond)

Initializes a new instance of the Pair class.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Pair (
    TFirst x,
    TSecond y
)
```

Parameters

x
The first value.

y
The second value.

See Also

Pair(TFirst, TSecond) Constructor Overload List
Pair(TFirst, TSecond) Class
com.mindfusion.common Namespace

Pair(TFirst, TSecond) Methods

Pair(TFirst, TSecond).equals Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public boolean equals (
    Object obj
)
```

Parameters

obj

Return Value

See Also

Pair(TFirst, TSecond) Members
Pair(TFirst, TSecond) Class
com.mindfusion.common Namespace

Pair(TFirst, TSecond).getFirst Method

Gets the first object in the pair.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public TFirst getFirst ()
```

Return Value

See Also

Pair(TFirst, TSecond) Members
Pair(TFirst, TSecond) Class
com.mindfusion.common Namespace

Pair(TFirst, TSecond).getSecond Method

Gets the second object in the pair.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public TSecond getSecond ()
```

Return Value

See Also

Pair(TFirst, TSecond) Members
Pair(TFirst, TSecond) Class
com.mindfusion.common Namespace

Pair(TFirst, TSecond).hashCode Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public int hashCode ()
```

Return Value

See Also

Pair(TFirst, TSecond) Members
Pair(TFirst, TSecond) Class
com.mindfusion.common Namespace

Pair(TFirst, TSecond).setFirst Method

Gets the first object in the pair.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void setFirst (
    TFirst value
)
```

Parameters

value

See Also

Pair(TFirst, TSecond) Members
Pair(TFirst, TSecond) Class
com.mindfusion.common Namespace

Pair(TFirst, TSecond).setSecond Method

Sets the second object in the pair.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void setSecond (
    TSecond value
)
```

Parameters

value

See Also

Pair(TFirst, TSecond) Members
Pair(TFirst, TSecond) Class
com.mindfusion.common Namespace

Pair(TFirst, TSecond).toString Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public String toString ()`

Return Value

See Also

Pair(TFirst, TSecond) Members
Pair(TFirst, TSecond) Class
com.mindfusion.common Namespace

Parser Class

Syntax

Java
`public class Parser`

Inheritance Hierarchy

java.lang.Object
com.mindfusion.common.Parser

See Also

Parser Members
com.mindfusion.common Namespace

Parser Members

The following tables list the members exposed by the Parser type.

Public Constructors

	Name	Description
	Parser	

Public Methods

	Name	Description
	readJsonObject	Deserializes a JsonObject from the specified JSON-formatted string.

See Also

Parser Class
com.mindfusion.common Namespace

Parser Constructor

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Parser ()
```

See Also

Parser Class
com.mindfusion.common Namespace

Parser Methods

Parser.readJsonObject Method

Deserializes a JsonObject from the specified JSON-formatted string.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public JsonObject readJsonObject (
    String json,
    JsonContext context
)
```

Parameters

json
The JSON-formatted string.

context
An JsonContext object providing contextual information about the serialization process and some helper serialization methods.

Return Value

JsonObject

See Also

Parser Members
Parser Class
com.mindfusion.common Namespace

Queryable(T) Class

Extends **Iterable** objects with additional functionality.

Syntax

Java
`public class Queryable<T> implements Iterable<T>`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.common.Queryable(T)

See Also

Queryable(T) Members
com.mindfusion.common Namespace

Queryable(T) Members

Extends **Iterable** objects with additional functionality.

The following tables list the members exposed by the Queryable(T) type.

Public Constructors

	Name	Description
	Queryable	Overloaded.

Public Methods

	Name	Description
	aggregate	
	concat	
	contains	Overloaded.
	count	Overloaded.
	defaultIfEmpty	
	distinct	
	elementAt	
	first	
	firstOrDefault	
	intersect	
	iterator	

	last	
	lastOrDefault	
	max	Overloaded.
	min	Overloaded.
	ofType	
	orderBy	
	orderByDescending	
	reverse	
	select	
	selectMany	
	single	
	singleOrDefault	
	sum	
	toArray	
	toIterable	
	toList	
	union	
	where	

See Also

Queryable(T) Class
com.mindfusion.common Namespace

Queryable(T) Constructor

Overload List

Name	Description
Queryable(T) (Iterable(T))	
Queryable(T) (Object[])	
Queryable(T) (Object[][])	

See Also

Queryable(T) Class
com.mindfusion.common Namespace

Queryable(T) Constructor (Iterable(T))

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Queryable (
    Iterable<T> iterable
)
```

Parameters

iterable

See Also

Queryable(T) Constructor Overload List
Queryable(T) Class
com.mindfusion.common Namespace

Queryable(T) Constructor (Object[])

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Queryable (
    Object[] source
)
```

Parameters

source

See Also

Queryable(T) Constructor Overload List
Queryable(T) Class
com.mindfusion.common Namespace

Queryable(T) Constructor (Object[][])

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Queryable (
    Object[][] source
)
```

Parameters

source

See Also

Queryable(T) Constructor Overload List
Queryable(T) Class
com.mindfusion.common Namespace

Queryable(T) Methods

Queryable(T).aggregate Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public T aggregate (
    BiFunction<T, T, T> func
)
```

Parameters

func

Return Value

See Also

Queryable(T) Members
Queryable(T) Class
com.mindfusion.common Namespace

Queryable(T).concat Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Queryable<T> concat (
    Iterable<T> source
)
```

Parameters

source

Return Value

See Also

Queryable(T) Members
Queryable(T) Class
com.mindfusion.common Namespace

Queryable(T).contains Method

Overload List

Name	Description
Queryable(T).contains (T)	
Queryable(T).contains (T, EqualityComparer(T))	

See Also

Queryable(T) Members
Queryable(T) Class
com.mindfusion.common Namespace

Queryable(T).contains Method (T)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public boolean contains (
    T value
)
```

Parameters

value

Return Value

See Also

contains Method Overload List
Queryable(T) Members

Queryable(T).contains Method (T, EqualityComparer(T))

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public boolean contains (
    T value,
    EqualityComparer<T> comparer
)
```

Parameters

value

comparer

Return Value

See Also

contains Method Overload List
Queryable(T) Members
Queryable(T) Class
com.mindfusion.common Namespace

Queryable(T).count Method

Overload List

Name	Description
Queryable(T).count ()	
Queryable(T).count (Predicate(T))	

See Also

Queryable(T) Members
Queryable(T) Class
com.mindfusion.common Namespace

Queryable(T).count Method ()

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public int count ()
```

Return Value

See Also

count Method Overload List
Queryable(T) Members
Queryable(T) Class
com.mindfusion.common Namespace

Queryable(T).count Method (Predicate(T))

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public int count (
    Predicate<T> predicate
)
```

Parameters

predicate

Return Value

See Also

count Method Overload List
Queryable(T) Members
Queryable(T) Class
com.mindfusion.common Namespace

Queryable(T).defaultIfEmpty Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public Queryable<T> defaultIfEmpty ()
```

Return Value

See Also

Queryable(T) Members
Queryable(T) Class
com.mindfusion.common Namespace

Queryable(T).distinct Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Queryable<T> distinct ()
```

Return Value

See Also

Queryable(T) Members
Queryable(T) Class
com.mindfusion.common Namespace

Queryable(T).elementAt Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public T elementAt (
    int index
)
```

Parameters

index

Return Value

See Also

Queryable(T) Members
Queryable(T) Class
com.mindfusion.common Namespace

Queryable(T).first Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public T first ()
```

Return Value

See Also

Queryable(T) Members
Queryable(T) Class
com.mindfusion.common Namespace

Queryable(T).firstOrDefault Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public T firstOrDefault ()
```

Return Value

See Also

Queryable(T) Members
Queryable(T) Class
com.mindfusion.common Namespace

Queryable(T).intersect Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public Queryable<T> intersect (
    Iterable<T> source,
    EqualityComparer<T> comparer
)
```

Parameters

source

comparer

Return Value

See Also

Queryable(T) Members
Queryable(T) Class
com.mindfusion.common Namespace

Queryable(T).iterator Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public Iterator<T> iterator ()`

Return Value

See Also

Queryable(T) Members
Queryable(T) Class
com.mindfusion.common Namespace

Queryable(T).last Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public T last ()`

Return Value

See Also

Queryable(T) Members
Queryable(T) Class
com.mindfusion.common Namespace

Queryable(T).lastOrDefault Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public T lastOrDefault ()`

Return Value

See Also

Queryable(T) Members
Queryable(T) Class
com.mindfusion.common Namespace

Queryable(T).max Method

Overload List

Name	Description
Queryable(T).max ()	
Queryable(T).max (Function(T, Integer))	

See Also

Queryable(T) Members
Queryable(T) Class
com.mindfusion.common Namespace

Queryable(T).max Method ()

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public Integer max ()`

Return Value

See Also

max Method Overload List
Queryable(T) Members
Queryable(T) Class
com.mindfusion.common Namespace

Queryable(T).max Method (Function(T, Integer))

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

`public Integer max (`
`  Function<T, Integer> selector`
`)`

Parameters

selector

Return Value

See Also

max Method Overload List
Queryable(T) Members
Queryable(T) Class
com.mindfusion.common Namespace

Queryable(T).min Method

Overload List

Name	Description
Queryable(T).min ()	
Queryable(T).min (Function(T, Integer))	

See Also

Queryable(T) Members
Queryable(T) Class
com.mindfusion.common Namespace

Queryable(T).min Method ()

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public Integer min ()`

Return Value

See Also

min Method Overload List
Queryable(T) Members

Queryable(T).min Method (Function(T, Integer))

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Integer min (
    Function<T, Integer> selector
)
```

Parameters

selector

Return Value

See Also

min Method Overload List
Queryable(T) Members
Queryable(T) Class
com.mindfusion.common Namespace

Queryable(T).ofType(R) Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public <R> Queryable<R> ofType (
    Class<R> type
)
```

Parameters

type

Return Value

See Also

Queryable(T) Members
Queryable(T) Class
com.mindfusion.common Namespace

Queryable(T).orderBy(K) Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public <K> Queryable<T> orderBy (
    Function<T, K> keySelector
)
```

Parameters

keySelector

Return Value

See Also

Queryable(T) Members
Queryable(T) Class
com.mindfusion.common Namespace

Queryable(T).orderByDescending(K) Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public <K> Queryable<T> orderByDescending (
    Function<T, K> keySelector
)
```

Parameters

keySelector

Return Value

See Also

Queryable(T) Members
Queryable(T) Class
com.mindfusion.common Namespace

Queryable(T).reverse Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public Queryable<T> reverse ()
```

Return Value

See Also

Queryable(T) Members
Queryable(T) Class
com.mindfusion.common Namespace

Queryable(T).select(R) Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public <R> Queryable<R> select (
    Function<T, R> func
)
```

Parameters

func

Return Value

See Also

Queryable(T) Members
Queryable(T) Class
com.mindfusion.common Namespace

Queryable(T).selectMany(R) Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public <R> Queryable<R> selectMany (
    Function<T, Iterable<R>> func
)
```

Parameters

func

Return Value

See Also

Queryable(T) Members
Queryable(T) Class
com.mindfusion.common Namespace

Queryable(T).single Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public T single ()`

Return Value

See Also

Queryable(T) Members
Queryable(T) Class
com.mindfusion.common Namespace

Queryable(T).singleOrDefault Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public T singleOrDefault ()`

Return Value

See Also

Queryable(T) Members
Queryable(T) Class
com.mindfusion.common Namespace

Queryable(T).sum Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public double sum (
    Function<T, Double> valueSelector
)
```

Parameters

valueSelector

Return Value

See Also

Queryable(T) Members
Queryable(T) Class
com.mindfusion.common Namespace

Queryable(T).toArray Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Object[] toArray ()
```

Return Value

See Also

Queryable(T) Members
Queryable(T) Class
com.mindfusion.common Namespace

Queryable(T).toIterable Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Iterable<T> toIterable ()
```

Return Value

See Also

Queryable(T) Members
Queryable(T) Class

Queryable(T).toList Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public List<T> toList ()
```

Return Value

See Also

Queryable(T) Members
Queryable(T) Class
com.mindfusion.common Namespace

Queryable(T).union Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Queryable<T> union (
    Iterable<T> source
)
```

Parameters

source

Return Value

See Also

Queryable(T) Members
Queryable(T) Class
com.mindfusion.common Namespace

Queryable(T).where Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Queryable<T> where (
    Predicate<T> predicate
)
```

Parameters

predicate

Return Value

See Also

Queryable(T) Members
Queryable(T) Class
com.mindfusion.common Namespace

RangeSelector Class

Represents a range selector – a control which allows the users to interactively select a range inside a larger range.

Syntax

Java

```
public class RangeSelector extends JComponent implements ComponentListener, MouseListener,
MouseMotionListener
```

Inheritance Hierarchy

java.lang.Object
  java.awt.Component
    java.awt.Container
      javax.swing.JComponent
        com.mindfusion.common.RangeSelector

See Also

RangeSelector Members
com.mindfusion.common Namespace

RangeSelector Members

Represents a range selector – a control which allows the users to interactively select a range inside a larger range.

The following tables list the members exposed by the RangeSelector type.

Public Constructors

	Name	Description
	RangeSelector	Initializes a new instance of the **RangeSelector** class.

Public Methods

	Name	Description
	addRangeSelectorListener	
	componentHidden	
	componentMoved	
	componentResized	
	componentShown	
	getBorderBrush	Gets the border of the selector.
	getButtonBackgroundBrush	Gets the brush used to fill the selector buttons when they are in normal state.
	getButtonBackgroundBrushDisabled	Gets the brush used to fill selector buttons when the selector is disabled.
	getButtonBackgroundBrushDown	Gets the brush used to fill the selector buttons when they are pressed.
	getButtonBackgroundBrushOver	Gets the brush used to fill the selector buttons when they are pointed with the mouse.
	getButtonBorderBrush	Gets the brush used to draw the border of selector buttons.
	getButtonBorderBrushDisabled	Gets the border brush used to draw the border of selector buttons when the selector is disabled.
	getButtonBorderBrushDown	Gets the brush used to draw the border of selector buttons when they are pressed.
	getButtonBorderBrushOver	Gets the brush used to draw the border of selector buttons when they are pointed with the mouse.
	getButtonBorderThickness	Gets the border thickness of the selector buttons.
	getButtonSize	Gets the size of the buttons.
	getHeight	Gets the height of the range selector.
	getIsRightToLeft	Gets whether the control is right-to-left.
	getMaximum	Gets the maximum of the control range.
	getMinimum	Gets the minimum of the control range.
	getMinimumSelectionLength	Gets the minimum size of the selected range.
	getProjectionBrush	Gets the brush used to fill the selection projection.
	getScrollBackgroundBrush	Gets the brush used to fill the scroll background.
	getSelectionBrush	Gets the brush used to fill the selection.
	getSelectionEnd	Gets the end of the selected range.
	getSelectionStart	Gets the start of the selected range.
	getStep	Gets the step to scroll with when using the buttons.

	getWidth	Gets the width of the range selector.
	mouseClicked	
	mouseDragged	
	mouseEntered	
	mouseExited	
	mouseMoved	
	mousePressed	
	mouseReleased	
	paintComponent	
	removeRangeSelectorListener	
	setBorderBrush	Sets the border of the selector.
	setButtonBackgroundBrush	Sets the brush used to fill the selector buttons when they are in normal state.
	setButtonBackgroundBrushDisabled	Sets the brush used to fill selector buttons when the selector is disabled.
	setButtonBackgroundBrushDown	Sets the brush used to fill the selector buttons when they are pressed.
	setButtonBackgroundBrushOver	Sets the brush used to fill the selector buttons when they are pointed with the mouse.
	setButtonBorderBrush	Sets the brush used to draw the border of selector buttons.
	setButtonBorderBrushDisabled	Sets the border brush used to draw the border of selector buttons when the selector is disabled.
	setButtonBorderBrushDown	Sets the brush used to draw the border of selector buttons when they are pressed.
	setButtonBorderBrushOver	Sets the brush used to draw the border of selector buttons when they are pointed with the mouse.
	setButtonBorderThickness	Sets the border thickness of the selector buttons.
	setButtonSize	Sets the size of the buttons.
	setHeight	Sets the height of the range selector.
	setMaximum	Sets the maximum of the control range.
	setMinimum	Sets the minimum of the control range.
	setMinimumSelectionLength	Sets the minimum size of the selected range.
	setProjectionBrush	Sets the brush used to fill the selection projection.
	setScrollBackgroundBrush	Sets the brush used to fill the scroll background.
	setSelectionBrush	Sets the brush used to fill the selection.
	setSelectionEnd	Sets the end of the selected range.

	setSelectionStart	Sets the start of the selected range.
	setStep	Sets the step to scroll with when using the buttons.
	setWidth	Sets the width of the range selector.

Protected Methods

	Name	Description
	fireDrawBackground	
	fireValueChanged	

See Also

RangeSelector Class
com.mindfusion.common Namespace

RangeSelector Constructor

Initializes a new instance of the RangeSelector class.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public RangeSelector ()
```

See Also

RangeSelector Class
com.mindfusion.common Namespace

RangeSelector Methods

RangeSelector.addRangeSelectorListener Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void addRangeSelectorListener (
    RangeSelectorListener listener
)
```

Parameters

listener

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.componentHidden Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void componentHidden (
    ComponentEvent e
)
```

Parameters

e

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.componentMoved Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void componentMoved (
    ComponentEvent e
)
```

Parameters

e

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.componentResized Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void componentResized (
    ComponentEvent e
)
```

Parameters

e

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.componentShown Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void componentShown (
    ComponentEvent e
)
```

Parameters

e

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.fireDrawBackground Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
protected void fireDrawBackground (
    DrawEvent e
)
```

Parameters

e

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.fireValueChanged Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
protected void fireValueChanged (
    EventObject e
)
```

Parameters

e

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.getBorderBrush Method

Gets the border of the selector.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Brush getBorderBrush ()
```

Return Value

An instance of the Brush class.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.getButtonBackgroundBrush Method

Gets the brush used to fill the selector buttons when they are in normal state.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public Brush getButtonBackgroundBrush ()
```

Return Value

An instance of the Brush class.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.getButtonBackgroundBrushDisabled Method

Gets the brush used to fill selector buttons when the selector is disabled.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public Brush getButtonBackgroundBrushDisabled ()
```

Return Value

An instance of the Brush class.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.getButtonBackgroundBrushDown Method

Gets the brush used to fill the selector buttons when they are pressed.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public Brush getButtonBackgroundBrushDown ()
```

Return Value

An instance of the Brush class.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.getButtonBackgroundBrushOver Method

Gets the brush used to fill the selector buttons when they are pointed with the mouse.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public Brush getButtonBackgroundBrushOver ()
```

Return Value

An instance of the Brush class.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.getButtonBorderBrush Method

Gets the brush used to draw the border of selector buttons.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public Brush getButtonBorderBrush ()
```

Return Value

An instance of the Brush class.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.getButtonBorderBrushDisabled Method

Gets the border brush used to draw the border of selector buttons when the selector is disabled.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Brush getButtonBorderBrushDisabled ()
```

Return Value

An instance of the Brush class.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.getButtonBorderBrushDown Method

Gets the brush used to draw the border of selector buttons when they are pressed.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Brush getButtonBorderBrushDown ()
```

Return Value

An instance of the Brush class.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.getButtonBorderBrushOver Method

Gets the brush used to draw the border of selector buttons when they are pointed with the mouse.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public Brush getButtonBorderBrushOver ()
```

Return Value

An instance of the Brush class.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.getButtonBorderThickness Method

Gets the border thickness of the selector buttons.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public int getButtonBorderThickness ()
```

Return Value

An instance of the Brush class.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.getButtonSize Method

Gets the size of the buttons.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public double getButtonSize ()
```

Return Value

A double value.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.getHeight Method

Gets the height of the range selector.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public int getHeight ()
```

Return Value

An integer value.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.getIsRightToLeft Method

Gets whether the control is right-to-left.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public boolean getIsRightToLeft ()
```

Return Value

A boolean value.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.getMaximum Method

Gets the maximum of the control range.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public double getMaximum ()
```

Return Value

A double value. The default is 100.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.getMinimum Method

Gets the minimum of the control range.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public double getMinimum ()
```

Return Value

A double value. The default is 0.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.getMinimumSelectionLength Method

Gets the minimum size of the selected range.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public double getMinimumSelectionLength ()
```

Return Value

A double value. The default is 5.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.getProjectionBrush Method

Gets the brush used to fill the selection projection.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Brush getProjectionBrush ()
```

Return Value

An instance of the Brush class.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.getScrollBackgroundBrush Method

Gets the brush used to fill the scroll background.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Brush getScrollBackgroundBrush ()
```

Return Value

An instance of the Brush class.

See Also

RangeSelector Members
RangeSelector Class

RangeSelector.getSelectionBrush Method

Gets the brush used to fill the selection.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public Brush getSelectionBrush ()
```

Return Value

An instance of the Brush class.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.getSelectionEnd Method

Gets the end of the selected range.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public double getSelectionEnd ()
```

Return Value

A double value. The default is 10.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.getSelectionStart Method

Gets the start of the selected range.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public double getSelectionStart ()
```

Return Value

A double value. The default is 0.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.getStep Method

Gets the step to scroll with when using the buttons.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public double getStep ()
```

Return Value

A double value. The default is 1.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.getWidth Method

Gets the width of the range selector.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public int getWidth ()
```

Return Value

An integer value.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.mouseClicked Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void mouseClicked (
    MouseEvent e
)
```

Parameters

e

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.mouseDragged Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void mouseDragged (
    MouseEvent e
)
```

Parameters

e

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.mouseEntered Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public void mouseEntered (
    MouseEvent e
)
```

Parameters

e

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.mouseExited Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public void mouseExited (
    MouseEvent e
)
```

Parameters

e

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.mouseMoved Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public void mouseMoved (
    MouseEvent e
)
```

Parameters

e

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.mousePressed Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void mousePressed (
    MouseEvent e
)
```

Parameters

e

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.mouseReleased Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void mouseReleased (
    MouseEvent e
)
```

Parameters

e

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.paintComponent Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void paintComponent (
    Graphics e
)
```

Parameters

e

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.removeRangeSelectorListener Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void removeRangeSelectorListener (
    RangeSelectorListener listener
)
```

Parameters

listener

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.setBorderBrush Method

Sets the border of the selector.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void setBorderBrush (
    Brush value
)
```

Parameters

value
An instance of the Brush class.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.setButtonBackgroundBrush Method

Sets the brush used to fill the selector buttons when they are in normal state.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void setButtonBackgroundBrush (
    Brush value
)
```

Parameters

value
An instance of the Brush class.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.setButtonBackgroundBrushDisabled Method

Sets the brush used to fill selector buttons when the selector is disabled.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void setButtonBackgroundBrushDisabled (
    Brush value
)
```

Parameters

value
An instance of the Brush class.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.setButtonBackgroundBrushDown Method

Sets the brush used to fill the selector buttons when they are pressed.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void setButtonBackgroundBrushDown (
    Brush value
)
```

Parameters

value
An instance of the Brush class.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.setButtonBackgroundBrushOver Method

Sets the brush used to fill the selector buttons when they are pointed with the mouse.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void setButtonBackgroundBrushOver (
    Brush value
)
```

Parameters

value
An instance of the Brush class.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.setButtonBorderBrush Method

Sets the brush used to draw the border of selector buttons.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void setButtonBorderBrush (
    Brush value
)
```

Parameters

value
An instance of the Brush class.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.setButtonBorderBrushDisabled Method

Sets the border brush used to draw the border of selector buttons when the selector is disabled.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void setButtonBorderBrushDisabled (
    Brush value
)
```

Parameters

value
An instance of the Brush class.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.setButtonBorderBrushDown Method

Sets the brush used to draw the border of selector buttons when they are pressed.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void setButtonBorderBrushDown (
    Brush value
)
```

Parameters

value
An instance of the Brush class.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.setButtonBorderBrushOver Method

Sets the brush used to draw the border of selector buttons when they are pointed with the mouse.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void setButtonBorderBrushOver (
    Brush value
)
```

Parameters

value
An instance of the Brush class.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.setButtonBorderThickness Method

Sets the border thickness of the selector buttons.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void setButtonBorderThickness (
    int value
)
```

Parameters

value
An instance of the Brush class.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.setButtonSize Method

Sets the size of the buttons.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void setButtonSize (
    int value
)
```

Parameters

value
An integer value.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.setHeight Method

Sets the height of the range selector.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void setHeight (
    int value
)
```

Parameters

value
An integer value.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.setMaximum Method

Sets the maximum of the control range.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void setMaximum (
    double value
)
```

Parameters

value
A double value.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.setMinimum Method

Sets the minimum of the control range.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void setMinimum (
    double value
)
```

Parameters

value
A double value.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.setMinimumSelectionLength Method

Sets the minimum size of the selected range.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void setMinimumSelectionLength (
    double value
)
```

Parameters

value
A double value.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.setProjectionBrush Method

Sets the brush used to fill the selection projection.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void setProjectionBrush (
    Brush value
)
```

Parameters

value
An instance of the Brush class.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.setScrollBackgroundBrush Method

Sets the brush used to fill the scroll background.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void setScrollBackgroundBrush (
    Brush value
)
```

Parameters

value
An instance of the Brush class.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.setSelectionBrush Method

Sets the brush used to fill the selection.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void setSelectionBrush (
    Brush value
)
```

Parameters

value
An instance of the Brush class.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.setSelectionEnd Method

Sets the end of the selected range.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void setSelectionEnd (
    double value
)
```

Parameters

value
A double value.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.setSelectionStart Method

Sets the start of the selected range.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void setSelectionStart (
    double value
)
```

Parameters

value
A double value.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.setStep Method

Sets the step to scroll with when using the buttons.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void setStep (
    double value
)
```

Parameters

value
A double value.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelector.setWidth Method

Sets the width of the range selector.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void setWidth (
    int value
)
```

Parameters

value
An integer value.

See Also

RangeSelector Members
RangeSelector Class
com.mindfusion.common Namespace

RangeSelectorListener Interface

Defines events raised by RangeSelector components.

Syntax

Java
`public interface RangeSelectorListener extends EventListener`

See Also

RangeSelectorListener Members
com.mindfusion.common Namespace

RangeSelectorListener Members

Defines events raised by RangeSelector components.

The following tables list the members exposed by the RangeSelectorListener type.

Public Methods

	Name	Description
	drawBackground	Raised to allow custom-drawing of the selector's background.
	valueChanged	Occurs when the selection has changed interactively by the user.

See Also

RangeSelectorListener Interface
com.mindfusion.common Namespace

RangeSelectorListener Methods

RangeSelectorListener.drawBackground Method

Raised to allow custom-drawing of the selector's background.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

`void drawBackground (`
`  DrawEvent e`
`)`

Parameters

e

See Also

RangeSelectorListener Members
RangeSelectorListener Interface
com.mindfusion.common Namespace

RangeSelectorListener.valueChanged Method

Occurs when the selection has changed interactively by the user.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
void valueChanged (
    EventObject e
)
```

Parameters

e

See Also

RangeSelectorListener Members
RangeSelectorListener Interface
com.mindfusion.common Namespace

ReleaseDate Interface

Syntax

Java

```
public interface ReleaseDate extends Annotation
```

See Also

ReleaseDate Members
com.mindfusion.common Namespace

ReleaseDate Members

The following tables list the members exposed by the ReleaseDate type.

See Also

ReleaseDate Interface
com.mindfusion.common Namespace

ScrollEvent Class

Provides data for the scroll events.

Syntax

Java
`public class ScrollEvent extends EventObject`

Inheritance Hierarchy

java.lang.Object
  java.util.EventObject
    com.mindfusion.common.ScrollEvent

See Also

ScrollEvent Members
com.mindfusion.common Namespace

ScrollEvent Members

Provides data for the scroll events.

The following tables list the members exposed by the ScrollEvent type.

Public Methods

	Name	Description
	getNewValue	Gets the new value of the scroll bar.
	getOldValue	Gets the old value of the scroll bar.
	getType	Gets the type of scroll event that occurred.

See Also

ScrollEvent Class
com.mindfusion.common Namespace

ScrollEvent Methods

ScrollEvent.getNewValue Method

Gets the new value of the scroll bar.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public int getNewValue ()
```

Return Value

An integer value.

See Also

ScrollEvent Members
ScrollEvent Class
com.mindfusion.common Namespace

ScrollEvent.getOldValue Method

Gets the old value of the scroll bar.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public int getOldValue ()
```

Return Value

An integer value.

See Also

ScrollEvent Members
ScrollEvent Class
com.mindfusion.common Namespace

ScrollEvent.getType Method

Gets the type of scroll event that occurred.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public int getType ()
```

Return Value

One of the ScrollEventType constants.

See Also

ScrollEvent Members
ScrollEvent Class

ScrollEventType Class

Specifies the type of action used to raise a scroll event.

Syntax

Java
`public class ScrollEventType`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.common.ScrollEventType

See Also

ScrollEventType Members
com.mindfusion.common Namespace

ScrollEventType Members

Specifies the type of action used to raise a scroll event.

The following tables list the members exposed by the ScrollEventType type.

Public Fields

	Name	Description
	EndScroll	The scroll box has stopped moving.
	First	The scroll box was moved to the minimum position.
	LargeDecrement	The scroll box moved a large distance. The user clicked the scroll bar to the left(horizontal) or above(vertical) the scroll box, or pressed the PAGE UP key.
	LargeIncrement	The scroll box moved a large distance. The user clicked the scroll bar to the right(horizontal) or below(vertical) the scroll box, or pressed the PAGE DOWN key.
	Last	The scroll box was moved to the maximum position.
	SmallDecrement	The scroll box was moved a small distance.
	SmallIncrement	The scroll box was moved a small distance.
	ThumbPosition	The scroll box was moved.
	ThumbTrack	The scroll box is currently being moved.

See Also

ScrollEventType Fields

ScrollEventType.EndScroll Field

The scroll box has stopped moving.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public static final int EndScroll
```

See Also

ScrollEventType Members
ScrollEventType Class
com.mindfusion.common Namespace

ScrollEventType.First Field

The scroll box was moved to the minimum position.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public static final int First
```

See Also

ScrollEventType Members
ScrollEventType Class
com.mindfusion.common Namespace

ScrollEventType.LargeDecrement Field

The scroll box moved a large distance. The user clicked the scroll bar to the left(horizontal) or above(vertical) the scroll box, or pressed the PAGE UP key.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
```

```
public static final int LargeDecrement
```

See Also

ScrollEventType Members
ScrollEventType Class
com.mindfusion.common Namespace

ScrollEventType.LargeIncrement Field

The scroll box moved a large distance. The user clicked the scroll bar to the right(horizontal) or below(vertical) the scroll box, or pressed the PAGE DOWN key.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static final int LargeIncrement
```

See Also

ScrollEventType Members
ScrollEventType Class
com.mindfusion.common Namespace

ScrollEventType.Last Field

The scroll box was moved to the maximum position.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static final int Last
```

See Also

ScrollEventType Members
ScrollEventType Class
com.mindfusion.common Namespace

ScrollEventType.SmallDecrement Field

The scroll box was moved a small distance.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static final int SmallDecrement
```

See Also

ScrollEventType Members
ScrollEventType Class
com.mindfusion.common Namespace

ScrollEventType.SmallIncrement Field

The scroll box was moved a small distance.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static final int SmallIncrement
```

See Also

ScrollEventType Members
ScrollEventType Class
com.mindfusion.common Namespace

ScrollEventType.ThumbPosition Field

The scroll box was moved.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static final int ThumbPosition
```

See Also

ScrollEventType Members
ScrollEventType Class
com.mindfusion.common Namespace

ScrollEventType.ThumbTrack Field

The scroll box is currently being moved.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public static final int ThumbTrack
```

See Also

ScrollEventType Members
ScrollEventType Class
com.mindfusion.common Namespace

Serialization Class

Syntax

```
Java
public class Serialization
```

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.common.Serialization

See Also

Serialization Members
com.mindfusion.common Namespace

Serialization Members

The following tables list the members exposed by the Serialization type.

Public Constructors

	Name	Description
	Serialization	

Public Fields

	Name	Description
	DiagramFormatHint	

Public Methods

	Name	Description
	readPoint	

	readRect	
	readTag	
	writePoint	
	writeRect	
	writeTag	

See Also

Serialization Class
com.mindfusion.common Namespace

Serialization Fields

Serialization.DiagramFormatHint Field

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static int DiagramFormatHint
```

See Also

Serialization Members
Serialization Class
com.mindfusion.common Namespace

Serialization Constructor

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Serialization ()
```

See Also

Serialization Class
com.mindfusion.common Namespace

Serialization Methods

Serialization.readPoint Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Point2D.Float readPoint (
    ObjectInput in
)
```

Parameters

in

Return Value

See Also

Serialization Members
Serialization Class
com.mindfusion.common Namespace

Serialization.readRect Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Rectangle2D.Float readRect (
    ObjectInput in
)
```

Parameters

in

Return Value

See Also

Serialization Members
Serialization Class
com.mindfusion.common Namespace

Serialization.readTag Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public static Object readTag (
    ObjectInput in
)
```

Parameters

in

Return Value

See Also

Serialization Members
Serialization Class
com.mindfusion.common Namespace

Serialization.writePoint Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public static void writePoint (
    ObjectOutput out,
    Point2D point
)
```

Parameters

out

point

See Also

Serialization Members
Serialization Class
com.mindfusion.common Namespace

Serialization.writeRect Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static void writeRect (
    ObjectOutput out,
    Rectangle2D rect
)
```

Parameters

out

rect

See Also

Serialization Members
Serialization Class
com.mindfusion.common Namespace

Serialization.writeTag Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static void writeTag (
    ObjectOutput out,
    Object tag
)
```

Parameters

out

tag

See Also

Serialization Members
Serialization Class
com.mindfusion.common Namespace

Serializer Class

Syntax

Java

```
public class Serializer
```

Inheritance Hierarchy

java.lang.Object
com.mindfusion.common.Serializer

See Also

Serializer Members
com.mindfusion.common Namespace

Serializer Members

The following tables list the members exposed by the Serializer type.

Public Constructors

	Name	Description
	Serializer	

Public Methods

	Name	Description
	prettyfy	
	serialize	

See Also

Serializer Class
com.mindfusion.common Namespace

Serializer Constructor

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public Serializer ()`

See Also

Serializer Class
com.mindfusion.common Namespace

Serializer Methods

Serializer.prettyfy Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public String prettyfy (
    String value
)
```

Parameters

value
A serialized String value representing JSON.

Return Value

pretty printed String representing JSON.

See Also

Serializer Members
Serializer Class
com.mindfusion.common Namespace

Serializer.serialize Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public String serialize (
    JsonObject object,
    JsonContext context
)
```

Parameters

object

context

Return Value

See Also

Serializer Members
Serializer Class
com.mindfusion.common Namespace

TristateButtonModel Class

Syntax

Java
`public class TristateButtonModel extends JToggleButton.ToggleButtonModel`

Inheritance Hierarchy

java.lang.Object
  javax.swing.DefaultButtonModel
    javax.swing.JToggleButton.ToggleButtonModel
      com.mindfusion.common.TriStateCheckBox.TristateButtonModel

See Also

TristateButtonModel Members
com.mindfusion.common Namespace

TristateButtonModel Members

The following tables list the members exposed by the TristateButtonModel type.

Public Constructors

	Name	Description
	TristateButtonModel	Overloaded.

Public Methods

	Name	Description
	getState	
	isIndeterminate	
	setArmed	
	setEnabled	
	setIndeterminate	
	setPressed	
	setSelected	

See Also

TristateButtonModel Class
com.mindfusion.common Namespace

TristateButtonModel Constructor

Overload List

Name	Description
TristateButtonModel ()	
TristateButtonModel (Boolean)	

See Also

TristateButtonModel Class
com.mindfusion.common Namespace

TristateButtonModel Constructor ()

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public TristateButtonModel ()
```

See Also

TristateButtonModel Constructor Overload List
TristateButtonModel Class
com.mindfusion.common Namespace

TristateButtonModel Constructor (Boolean)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public TristateButtonModel (
    Boolean state
)
```

Parameters

state

See Also

TristateButtonModel Constructor Overload List
TristateButtonModel Class
com.mindfusion.common Namespace

TristateButtonModel Methods

TristateButtonModel.getState Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public Boolean getState ()
```

Return Value

See Also

TristateButtonModel Members
TristateButtonModel Class
com.mindfusion.common Namespace

TristateButtonModel.isIndeterminate Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public boolean isIndeterminate ()
```

Return Value

See Also

TristateButtonModel Members
TristateButtonModel Class
com.mindfusion.common Namespace

TristateButtonModel.setArmed Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public void setArmed (
    boolean b
)
```

Parameters

b

See Also

TristateButtonModel Members
TristateButtonModel Class
com.mindfusion.common Namespace

TristateButtonModel.setEnabled Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void setEnabled (
    boolean enabled
)
```

Parameters

enabled

See Also

TristateButtonModel Members
TristateButtonModel Class
com.mindfusion.common Namespace

TristateButtonModel.setIndeterminate Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void setIndeterminate ()
```

See Also

TristateButtonModel Members
TristateButtonModel Class
com.mindfusion.common Namespace

TristateButtonModel.setPressed Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public void setPressed (
    boolean b
)
```

Parameters

b

See Also

TristateButtonModel Members
TristateButtonModel Class
com.mindfusion.common Namespace

TristateButtonModel.setSelected Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public void setSelected (
    Boolean selected
)
```

Parameters

selected

See Also

TristateButtonModel Members
TristateButtonModel Class
com.mindfusion.common Namespace

TriStateCheckBox Class

Syntax

```
Java
public class TriStateCheckBox extends JCheckBox
```

Inheritance Hierarchy

java.lang.Object
  java.awt.Component
    java.awt.Container
      javax.swing.JComponent
        javax.swing.AbstractButton
          javax.swing.JToggleButton
            javax.swing.JCheckBox
              com.mindfusion.common.TriStateCheckBox

See Also

TriStateCheckBox Members
com.mindfusion.common Namespace

TriStateCheckBox Members

The following tables list the members exposed by the TriStateCheckBox type.

Public Constructors

	Name	Description
	TriStateCheckBox	Overloaded.

Public Methods

	Name	Description
	addMouseListener	
	getState	
	getTristateModel	
	isIndeterminate	
	setIndeterminate	
	setModel	
	setState	

See Also

TriStateCheckBox Class
com.mindfusion.common Namespace

TriStateCheckBox Constructor

Overload List

Name	Description
TriStateCheckBox (String)	

TriStateCheckBox (String, Icon, Boolean)	

See Also

TriStateCheckBox Class
com.mindfusion.common Namespace

TriStateCheckBox Constructor (String)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public TriStateCheckBox (
    String text
)
```

Parameters

text

See Also

TriStateCheckBox Constructor Overload List
TriStateCheckBox Class
com.mindfusion.common Namespace

TriStateCheckBox Constructor (String, Icon, Boolean)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public TriStateCheckBox (
    String text,
    Icon icon,
    Boolean initial
)
```

Parameters

text

icon

initial

See Also

TriStateCheckBox Constructor Overload List
TriStateCheckBox Class
com.mindfusion.common Namespace

TriStateCheckBox Methods

TriStateCheckBox.addMouseListener Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java

public void addMouseListener (
    MouseListener l
)
```

Parameters

l

See Also

TriStateCheckBox Members
TriStateCheckBox Class
com.mindfusion.common Namespace

TriStateCheckBox.getState Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java

public Boolean getState ()
```

Return Value

See Also

TriStateCheckBox Members
TriStateCheckBox Class
com.mindfusion.common Namespace

TriStateCheckBox.getTristateModel Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public TriStateCheckBox.TristateButtonModel getTristateModel ()
```

Return Value

See Also

TriStateCheckBox Members
TriStateCheckBox Class
com.mindfusion.common Namespace

TriStateCheckBox.isIndeterminate Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public boolean isIndeterminate ()
```

Return Value

See Also

TriStateCheckBox Members
TriStateCheckBox Class
com.mindfusion.common Namespace

TriStateCheckBox.setIndeterminate Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java
public void setIndeterminate ()
```

See Also

TriStateCheckBox Members
TriStateCheckBox Class
com.mindfusion.common Namespace

TriStateCheckBox.setModel Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java

public void setModel (
    ButtonModel newModel
)
```

Parameters

newModel

See Also

TriStateCheckBox Members
TriStateCheckBox Class
com.mindfusion.common Namespace

TriStateCheckBox.setState Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

```
Java

public void setState (
    Boolean state
)
```

Parameters

state

See Also

TriStateCheckBox Members
TriStateCheckBox Class
com.mindfusion.common Namespace

TypeConverter Interface

Syntax

```
Java

public interface TypeConverter extends Annotation
```

See Also

TypeConverter Members
com.mindfusion.common Namespace

TypeConverter Members

The following tables list the members exposed by the TypeConverter type.

See Also

TypeConverter Interface
com.mindfusion.common Namespace

ValueType Interface

An annotation used to mark types which once were value types.

Syntax

Java

```
public interface ValueType extends Annotation
```

See Also

ValueType Members
com.mindfusion.common Namespace

ValueType Members

An annotation used to mark types which once were value types.

The following tables list the members exposed by the ValueType type.

See Also

ValueType Interface
com.mindfusion.common Namespace

Vector Class

Represents a two-dimensional vector.

Syntax

Java

```
public class Vector
```

Inheritance Hierarchy

java.lang.Object
com.mindfusion.common.Vector

See Also

Vector Members
com.mindfusion.common Namespace

Vector Members

Represents a two-dimensional vector.

The following tables list the members exposed by the Vector type.

Public Constructors

	Name	Description
	Vector	Overloaded.

Public Methods

	Name	Description
S	add	Overloaded.
S	angleBetween	
	clone	
S	crossProduct	
S	determinant	
S	divide	
	equals	Overloaded.
	getX	
	getY	
	hashCode	
S	left	
	length	
	lengthSquared	
S	multiply	Overloaded.
S	negate	
S	normalize	
S	right	
	setX	
	setY	

	subtract	
	toPointF	
	toSizeF	
	toString	Overloaded.

See Also

Vector Class
com.mindfusion.common Namespace

Vector Constructor

Overload List

Name	Description
Vector (Point2D, Point2D)	
Vector (Single, Single)	

See Also

Vector Class
com.mindfusion.common Namespace

Vector Constructor (Point2D, Point2D)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Vector (
    Point2D p1,
    Point2D p2
)
```

Parameters

p1

p2

See Also

Vector Constructor Overload List
Vector Class
com.mindfusion.common Namespace

Vector Constructor (Single, Single)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Vector (
    float x,
    float y
)
```

Parameters

x

y

See Also

Vector Constructor Overload List
Vector Class
com.mindfusion.common Namespace

Vector Methods

Vector.add Method

Overload List

Name	Description
Vector.add (Vector, Point2D)	
Vector.add (Vector, Vector)	

See Also

Vector Members
Vector Class
com.mindfusion.common Namespace

Vector.add Method (Vector, Point2D)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Point2D.Float add (
    Vector vector,
    Point2D point
)
```

Parameters

vector

point

Return Value

See Also

add Method Overload List
Vector Members
Vector Class
com.mindfusion.common Namespace

Vector.add Method (Vector, Vector)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Vector add (
    Vector vector1,
    Vector vector2
)
```

Parameters

vector1

vector2

Return Value

See Also

add Method Overload List
Vector Members
Vector Class
com.mindfusion.common Namespace

Vector.angleBetween Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static float angleBetween (
    Vector vector1,
    Vector vector2
)
```

Parameters

vector1

vector2

Return Value

See Also

Vector Members
Vector Class
com.mindfusion.common Namespace

Vector.clone Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public Object clone ()
```

Return Value

See Also

Vector Members
Vector Class
com.mindfusion.common Namespace

Vector.crossProduct Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static float crossProduct (
    Vector vector1,
    Vector vector2
)
```

Parameters

vector1

vector2

Return Value

See Also

Vector Members
Vector Class
com.mindfusion.common Namespace

Vector.determinant Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static float determinant (
    Vector vector1,
    Vector vector2
)
```

Parameters

vector1

vector2

Return Value

See Also

Vector Members
Vector Class
com.mindfusion.common Namespace

Vector.divide Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Vector divide (
    Vector vector,
    float scalar
)
```

Parameters

vector

scalar

Return Value

See Also

Vector Members
Vector Class
com.mindfusion.common Namespace

Vector.equals Method

Overload List

Name	Description
Vector.equals (Object)	
Vector.equals (Vector)	
Vector.equals (Vector, Vector)	

See Also

Vector Members
Vector Class
com.mindfusion.common Namespace

Vector.equals Method (Object)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public boolean equals (
    Object o
)
```

Parameters

o

Return Value

See Also

equals Method Overload List
Vector Members
Vector Class
com.mindfusion.common Namespace

Vector.equals Method (Vector)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public boolean equals (
    Vector value
)
```

Parameters

value

Return Value

See Also

equals Method Overload List
Vector Members
Vector Class
com.mindfusion.common Namespace

Vector.equals Method (Vector, Vector)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static boolean equals (
    Vector vector1,
    Vector vector2
)
```

Parameters

vector1

vector2

Return Value

See Also

equals Method Overload List
Vector Members
Vector Class
com.mindfusion.common Namespace

Vector.getX Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public float getX ()`

Return Value

See Also

Vector Members
Vector Class
com.mindfusion.common Namespace

Vector.getY Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public float getY ()`

Return Value

See Also

Vector Members
Vector Class
com.mindfusion.common Namespace

Vector.hashCode Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public int hashCode ()`

Return Value

See Also

Vector Members
Vector Class
com.mindfusion.common Namespace

Vector.left Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Vector left (
    Vector v
)
```

Parameters

v

Return Value

See Also

Vector Members
Vector Class
com.mindfusion.common Namespace

Vector.length Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public float length ()
```

Return Value

See Also

Vector Members
Vector Class
com.mindfusion.common Namespace

Vector.lengthSquared Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public float lengthSquared ()`

Return Value

See Also

Vector Members
Vector Class
com.mindfusion.common Namespace

Vector.multiply Method

Overload List

Name	Description
Vector.multiply (Vector, Single)	
Vector.multiply (Vector, Vector)	

See Also

Vector Members
Vector Class
com.mindfusion.common Namespace

Vector.multiply Method (Vector, Single)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

`public static Vector multiply (`
`  Vector vector,`
`  float scalar`
`)`

Parameters

vector

scalar

Return Value

See Also

multiply Method Overload List
Vector Members
Vector Class
com.mindfusion.common Namespace

Vector.multiply Method (Vector, Vector)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static float multiply (
    Vector vector1,
    Vector vector2
)
```

Parameters

vector1

vector2

Return Value

See Also

multiply Method Overload List
Vector Members
Vector Class
com.mindfusion.common Namespace

Vector.negate Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Vector negate (
    Vector vector
)
```

Parameters

vector

Return Value

See Also

Vector Members
Vector Class
com.mindfusion.common Namespace

Vector.normalize Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Vector normalize (
    Vector vector
)
```

Parameters

vector

Return Value

See Also

Vector Members
Vector Class
com.mindfusion.common Namespace

Vector.right Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Vector right (
    Vector v
)
```

Parameters

v

Return Value

See Also

Vector Members
Vector Class
com.mindfusion.common Namespace

Vector.setX Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void setX (
    float value
)
```

Parameters

value

See Also

Vector Members
Vector Class
com.mindfusion.common Namespace

Vector.setY Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public void setY (
    float value
)
```

Parameters

value

See Also

Vector Members
Vector Class
com.mindfusion.common Namespace

Vector.subtract Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Vector subtract (
    Vector vector1,
    Vector vector2
)
```

Parameters

vector1

vector2

Return Value

See Also

Vector Members
Vector Class
com.mindfusion.common Namespace

Vector.toPointF Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Point2D.Float toPointF (
    Vector vector
)
```

Parameters

vector

Return Value

See Also

Vector Members
Vector Class
com.mindfusion.common Namespace

Vector.toSizeF Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Dimension toSizeF (
    Vector vector
)
```

Parameters

vector

Return Value

See Also

Vector Members
Vector Class
com.mindfusion.common Namespace

Vector.toString Method

Overload List

Name	Description
Vector.toString ()	
Vector.toString (Locale)	

See Also

Vector Members
Vector Class
com.mindfusion.common Namespace

Vector.toString Method ()

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public String toString ()`

Return Value

See Also

toString Method Overload List
Vector Members
Vector Class
com.mindfusion.common Namespace

Vector.toString Method (Locale)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

`public String toString (`
`  Locale provider`
`)`

Parameters

provider

Return Value

See Also

toString Method Overload List
Vector Members
Vector Class
com.mindfusion.common Namespace

XDimension2D Class

Syntax

Java
`public class XDimension2D`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.common.XDimension2D

See Also

XDimension2D Members
com.mindfusion.common Namespace

XDimension2D Members

The following tables list the members exposed by the XDimension2D type.

Public Constructors

	Name	Description
	XDimension2D	

Public Methods

	Name	Description

	fromRect	

See Also

XDimension2D Class
com.mindfusion.common Namespace

XDimension2D Constructor

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public XDimension2D ()
```

See Also

XDimension2D Class
com.mindfusion.common Namespace

XDimension2D Methods

XDimension2D.fromRect Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static XDimension2D.Double fromRect (
    Rectangle2D rect
)
```

Parameters

rect

Return Value

See Also

XDimension2D Members
XDimension2D Class
com.mindfusion.common Namespace

XmlException Class

Represents XML serialization error.

Syntax

Java
`public class XmlException extends Exception`

Inheritance Hierarchy

java.lang.Object
  java.lang.Throwable
    java.lang.Exception
      com.mindfusion.common.XmlException

See Also

XmlException Members
com.mindfusion.common Namespace

XmlException Members

Represents XML serialization error.

The following tables list the members exposed by the XmlException type.

Public Constructors

	Name	Description
	XmlException	Overloaded.

See Also

XmlException Class
com.mindfusion.common Namespace

XmlException Constructor

Overload List

Name	Description
XmlException (String)	Initializes a new instance of the XmlException class.
XmlException (Throwable)	Initializes a new instance of the XmlException class.

See Also

XmlException Class
com.mindfusion.common Namespace

XmlException Constructor (String)

Initializes a new instance of the XmlException class.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public XmlException (
    String message
)
```

Parameters

message

See Also

XmlException Constructor Overload List
XmlException Class
com.mindfusion.common Namespace

XmlException Constructor (Throwable)

Initializes a new instance of the XmlException class.

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public XmlException (
    Throwable cause
)
```

Parameters

cause

See Also

XmlException Constructor Overload List
XmlException Class
com.mindfusion.common Namespace

XmlFunctions Class

Syntax

Java
`public class XmlFunctions`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.common.XmlFunctions

See Also

XmlFunctions Members
com.mindfusion.common Namespace

XmlFunctions Members

The following tables list the members exposed by the XmlFunctions type.

Public Constructors

	Name	Description
	XmlFunctions	

Public Methods

	Name	Description
	selectNodes	Overloaded.
	selectSingleNode	Overloaded.
	setNamespaceMap	

See Also

XmlFunctions Class
com.mindfusion.common Namespace

XmlFunctions Constructor

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java
`public XmlFunctions ()`

See Also

XmlFunctions Methods

XmlFunctions.selectNodes Method

Overload List

Name	Description
XmlFunctions.selectNodes (String, Document)	
XmlFunctions.selectNodes (String, Element)	

See Also

XmlFunctions Members
XmlFunctions Class
com.mindfusion.common Namespace

XmlFunctions.selectNodes Method (String, Document)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static NodeList selectNodes (
    String expression,
    Document doc
)
```

Parameters

expression

doc

Return Value

See Also

selectNodes Method Overload List
XmlFunctions Members
XmlFunctions Class
com.mindfusion.common Namespace

XmlFunctions.selectNodes Method (String, Element)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static NodeList selectNodes (
    String expression,
    Element el
)
```

Parameters

expression

el

Return Value

See Also

selectNodes Method Overload List
XmlFunctions Members
XmlFunctions Class
com.mindfusion.common Namespace

XmlFunctions.selectSingleNode Method

Overload List

Name	Description
XmlFunctions.selectSingleNode (String, Document)	
XmlFunctions.selectSingleNode (String, Element)	

See Also

XmlFunctions Members
XmlFunctions Class
com.mindfusion.common Namespace

XmlFunctions.selectSingleNode Method (String, Document)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Node selectSingleNode (
    String expression,
    Document doc
)
```

Parameters

expression

doc

Return Value

See Also

selectSingleNode Method Overload List
XmlFunctions Members
XmlFunctions Class
com.mindfusion.common Namespace

XmlFunctions.selectSingleNode Method (String, Element)

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

```
public static Node selectSingleNode (
    String expression,
    Element element
)
```

Parameters

expression

element

Return Value

See Also

selectSingleNode Method Overload List
XmlFunctions Members
XmlFunctions Class
com.mindfusion.common Namespace

XmlFunctions.setNamespaceMap Method

Namespace: com.mindfusion.common
Package: com.mindfusion.common

Syntax

Java

`public static void setNamespaceMap (`
`    HashMap<String, String> value`
`)`

Parameters

value

See Also

XmlFunctions Members
XmlFunctions Class
com.mindfusion.common Namespace

com.mindfusion.drawing Namespace

Align Enumeration

The members of this enumeration specify how text should be aligned to the text layout rectangle.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public enum Align`

Members

	Member name	Description
	Center	Specifies that the text should be centered horizontally or vertically.
	Far	Specifies that the text should be right- or bottom-aligned.
	Near	Specifies that the text should be left- or top-aligned.

See Also

com.mindfusion.drawing Namespace

AwtGraphics Class

This class facilitates drawing in a swing **Graphics**.

Syntax

Java

```
public class AwtGraphics
```

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.drawing.AwtGraphics

See Also

AwtGraphics Members
com.mindfusion.drawing Namespace

AwtGraphics Members

This class facilitates drawing in a swing **Graphics**.

The following tables list the members exposed by the AwtGraphics type.

Public Constructors

	Name	Description
	AwtGraphics	Initializes a new instance of the **AwtGraphics** class.

Public Methods

	Name	Description
	applyOpacity	Returns the specified color with the specified opacity.
	createRegion	Overloaded. Creates a new **Area** object.
	dispose	Disposes the resources used by this graphics.
	drawImage	Overloaded. Draws an **Image** object.
	drawLine	Overloaded. Draws a line with a specified pen.
	drawPath	Draws the specified path using the specified pen.
	drawPolygon	Overloaded. Draws a polygon using a specified pen.
	drawRectangle	Overloaded. Draws a rectangle using a specified pen.
	drawString	Overloaded. Draws a string.
	fillPath	Fills the specified path using the specified brush.
	fillPolygon	Overloaded. Fills a polygon with a specified brush.
	fillRectangle	Overloaded. Fills a rectangle with a specified brush.
	getClip	Gets an area representing the current clipping region of the graphics.
	getClipBounds	Gets the bounding rectangle of the current clipping region of the graphics.
	getFontHeight	Gets the height of the specified font.

	measureString	Returns the size of the specified string when drawn in this graphics with the specified attributes.
	restore	Restores the graphics to the specified state.
S	rotatePointAt	Overloaded. Rotates a point.
	rotateTransform	Applies a rotation transformation to this graphics.
	save	Saves the state of the graphics.
	setClip	Sets the current clipping region of the graphics to the specified area.
	translateTransform	Applies a translation transformation to this graphics.

See Also

AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics Constructor

Initializes a new instance of the AwtGraphics class.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public AwtGraphics (
    Graphics2D inner
)
```

Parameters

inner
The **Graphics2D** object to draw to.

See Also

AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics Methods

AwtGraphics.applyOpacity Method

Returns the specified color with the specified opacity.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

`public Color applyOpacity (`
`  Color color,`
`  double opacity`
`)`

Parameters

color

opacity

Return Value

See Also

AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.createRegion Method

Creates a new **Area** object.

Overload List

Name	Description
AwtGraphics.createRegion ()	Creates an empty **Area** object.
AwtGraphics.createRegion (GeneralPath)	Creates an **Area** object from the specified general path.
AwtGraphics.createRegion (Rectangle)	Creates an **Area** object from the specified rectangle.
AwtGraphics.createRegion (Rectangle2D)	Creates an **Area** object from the specified rectangle.

See Also

AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.createRegion Method ()

Creates an empty **Area** object.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public Area createRegion ()`

Return Value

See Also

createRegion Method Overload List
AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.createRegion Method (GeneralPath)

Creates an **Area** object from the specified general path.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public Area createRegion (
    GeneralPath path
)
```

Parameters

path

Return Value

See Also

createRegion Method Overload List
AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.createRegion Method (Rectangle)

Creates an **Area** object from the specified rectangle.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public Area createRegion (
    Rectangle rc
)
```

Parameters

rc

Return Value

See Also

createRegion Method Overload List
AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.createRegion Method (Rectangle2D)

Creates an **Area** object from the specified rectangle.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public Area createRegion (
    Rectangle2D rc
)
```

Parameters

rc

Return Value

See Also

createRegion Method Overload List
AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.dispose Method

Disposes the resources used by this graphics.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void dispose ()
```

See Also

AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.drawImage Method

Draws an **Image** object.

Overload List

Name	Description
AwtGraphics.drawImage (Image, Double, Double)	Draws the specified image at the specified position.
AwtGraphics.drawImage (Image, Double, Double, Double, Double)	Draws the specified image in the specified rectangle.
AwtGraphics.drawImage (Image, Int32, Int32)	Draws the specified image at the specified position.
AwtGraphics.drawImage (Image, Int32, Int32, Int32, Int32)	Draws the specified image in the specified rectangle.
AwtGraphics.drawImage (Image, Rectangle)	Draws the specified image in the specified rectangle.
AwtGraphics.drawImage (Image, Rectangle, ImageAttributes)	Draws the specified image in the specified rectangle.
AwtGraphics.drawImage (Image, Rectangle2D)	Draws the specified image in the specified rectangle.
AwtGraphics.drawImage (Image, Rectangle2D, ImageAttributes)	Draws the specified image in the specified rectangle.

See Also

AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.drawImage Method (Image, Double, Double)

Draws the specified image at the specified position.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void drawImage (
    Image image,
    double x,
    double y
)
```

Parameters

image

x

y

See Also

drawImage Method Overload List
AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.drawImage Method (Image, Double, Double, Double, Double)

Draws the specified image in the specified rectangle.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void drawImage (
    Image image,
    double x,
    double y,
    double width,
    double height
)
```

Parameters

image

x

y

width

height

See Also

drawImage Method Overload List
AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.drawImage Method (Image, Int32, Int32)

Draws the specified image at the specified position.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void drawImage (
    Image image,
    int x,
```

```
    int y
)
```

Parameters

image

x

y

See Also

drawImage Method Overload List
AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.drawImage Method (Image, Int32, Int32, Int32, Int32)

Draws the specified image in the specified rectangle.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void drawImage (
    Image image,
    int x,
    int y,
    int width,
    int height
)
```

Parameters

image

x

y

width

height

See Also

drawImage Method Overload List
AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.drawImage Method (Image, Rectangle)

Draws the specified image in the specified rectangle.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public void drawImage (
    Image image,
    Rectangle dest
)
```

Parameters

image

dest

See Also

drawImage Method Overload List
AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.drawImage Method (Image, Rectangle, ImageAttributes)

Draws the specified image in the specified rectangle.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public void drawImage (
    Image image,
    Rectangle dest,
    ImageAttributes attrs
)
```

Parameters

image

dest

attrs

See Also

drawImage Method Overload List
AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.drawImage Method (Image, Rectangle2D)

Draws the specified image in the specified rectangle.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public void drawImage (
    Image image,
    Rectangle2D dest
)
```

Parameters

image

dest

See Also

drawImage Method Overload List
AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.drawImage Method (Image, Rectangle2D, ImageAttributes)

Draws the specified image in the specified rectangle.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public void drawImage (
    Image image,
    Rectangle2D dest,
    ImageAttributes attrs
)
```

Parameters

image

dest

attrs

See Also

drawImage Method Overload List
AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.drawLine Method

Draws a line with a specified pen.

Overload List

Name	Description
AwtGraphics.drawLine (Pen, Double, Double, Double, Double)	Draws the line defined by the specified coordinates using the specified pen.
AwtGraphics.drawLine (Pen, Int32, Int32, Int32, Int32)	Draws the line defined by the specified coordinates using the specified pen.
AwtGraphics.drawLine (Pen, Point, Point)	Draws the line defined by the specified points using the specified pen.
AwtGraphics.drawLine (Pen, Point2D, Point2D)	Draws the line defined by the specified points using the specified pen.

See Also

AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.drawLine Method (Pen, Double, Double, Double, Double)

Draws the line defined by the specified coordinates using the specified pen.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void drawLine (
    Pen pen,
    double x1,
    double y1,
    double x2,
    double y2
)
```

Parameters

pen

x1

y1

x2

y2

See Also

drawLine Method Overload List
AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.drawLine Method (Pen, Int32, Int32, Int32, Int32)

Draws the line defined by the specified coordinates using the specified pen.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void drawLine (
    Pen pen,
    int x1,
    int y1,
    int x2,
    int y2
)
```

Parameters

pen

x1

y1

x2

y2

See Also

drawLine Method Overload List
AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.drawLine Method (Pen, Point, Point)

Draws the line defined by the specified points using the specified pen.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void drawLine (
    Pen pen,
    Point a,
    Point b
)
```

Parameters

pen

a

b

See Also

drawLine Method Overload List
AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.drawLine Method (Pen, Point2D, Point2D)

Draws the line defined by the specified points using the specified pen.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void drawLine (
    Pen pen,
    Point2D a,
    Point2D b
)
```

Parameters

pen

a

b

See Also

drawLine Method Overload List
AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.drawPath Method

Draws the specified path using the specified pen.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void drawPath (
    Pen pen,
    GeneralPath path
)
```

Parameters

pen

path

See Also

AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.drawPolygon Method

Draws a polygon using a specified pen.

Overload List

Name	Description
AwtGraphics.drawPolygon (Pen, Point[])	Draws the polygon defined by the specified points using the specified pen.
AwtGraphics.drawPolygon (Pen, Point2D[])	Draws the polygon defined by the specified points using the specified pen.

See Also

AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.drawPolygon Method (Pen, Point[])

Draws the polygon defined by the specified points using the specified pen.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void drawPolygon (
    Pen pen,
    Point[] points
)
```

Parameters

pen

points

See Also

drawPolygon Method Overload List
AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.drawPolygon Method (Pen, Point2D[])

Draws the polygon defined by the specified points using the specified pen.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void drawPolygon (
    Pen pen,
    Point2D[] points
)
```

Parameters

pen

points

See Also

drawPolygon Method Overload List
AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.drawRectangle Method

Draws a rectangle using a specified pen.

Overload List

Name	Description
AwtGraphics.drawRectangle (Pen, Double, Double, Double, Double)	Draws the rectangle defined by the specified coordinates using the specified pen.
AwtGraphics.drawRectangle (Pen, Int32, Int32, Int32, Int32)	Draws the rectangle defined by the specified coordinates using the specified pen.
AwtGraphics.drawRectangle (Pen, Rectangle)	Draws the specified rectangle using the specified pen.
AwtGraphics.drawRectangle (Pen, Rectangle2D)	Draws the specified rectangle using the specified pen.

See Also

AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.drawRectangle Method (Pen, Double, Double, Double, Double)

Draws the rectangle defined by the specified coordinates using the specified pen.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void drawRectangle (
    Pen pen,
    double x,
    double y,
    double width,
    double height
)
```

Parameters

pen

x

y

width

height

See Also

drawRectangle Method Overload List
AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.drawRectangle Method (Pen, Int32, Int32, Int32, Int32)

Draws the rectangle defined by the specified coordinates using the specified pen.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void drawRectangle (
    Pen pen,
    int x,
    int y,
    int width,
    int height
)
```

Parameters

pen

x

y

width

height

See Also

drawRectangle Method Overload List
AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.drawRectangle Method (Pen, Rectangle)

Draws the specified rectangle using the specified pen.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void drawRectangle (
    Pen pen,
    Rectangle rect
)
```

Parameters

pen

rect

See Also

drawRectangle Method Overload List
AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.drawRectangle Method (Pen, Rectangle2D)

Draws the specified rectangle using the specified pen.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void drawRectangle (
    Pen pen,
    Rectangle2D rect
)
```

Parameters

pen

rect

See Also

drawRectangle Method Overload List
AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.drawString Method

Draws a string.

Overload List

Name	Description
AwtGraphics.drawString (String, Font, Brush, Point2D)	Draws the specified string using the specified attributes.
AwtGraphics.drawString (String, Font, Brush, Rectangle2D)	Draws the specified string using the specified attributes.
AwtGraphics.drawString (String, Font, Brush, Rectangle2D, TextFormat)	Draws the specified string using the specified attributes.

See Also

AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.drawString Method (String, Font, Brush, Point2D)

Draws the specified string using the specified attributes.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void drawString (
    String s,
    Font f,
    Brush brush,
    Point2D dest
)
```

Parameters

s

f

brush

dest

See Also

drawString Method Overload List
AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.drawString Method (String, Font, Brush, Rectangle2D)

Draws the specified string using the specified attributes.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void drawString (
    String s,
    Font f,
    Brush brush,
    Rectangle2D dest
)
```

Parameters

s

f

brush

dest

See Also

drawString Method Overload List
AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.drawString Method (String, Font, Brush, Rectangle2D, TextFormat)

Draws the specified string using the specified attributes.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void drawString (
    String s,
    Font f,
    Brush brush,
```

```
    Rectangle2D dest,
    TextFormat format
)
```

Parameters

s

f

brush

dest

format

See Also

drawString Method Overload List
AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.fillPath Method

Fills the specified path using the specified brush.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void fillPath (
    Brush brush,
    GeneralPath path
)
```

Parameters

brush

path

See Also

AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.fillPolygon Method

Fills a polygon with a specified brush.

Overload List

Name	Description

AwtGraphics.fillPolygon (Brush, Point[])	Fills the polygon defined by the specified points using the specified brush.
AwtGraphics.fillPolygon (Brush, Point2D[])	Fills the polygon defined by the specified points using the specified brush.

See Also

AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.fillPolygon Method (Brush, Point[])

Fills the polygon defined by the specified points using the specified brush.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void fillPolygon (
    Brush brush,
    Point[] points
)
```

Parameters

brush

points

See Also

fillPolygon Method Overload List
AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.fillPolygon Method (Brush, Point2D[])

Fills the polygon defined by the specified points using the specified brush.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void fillPolygon (
    Brush brush,
    Point2D[] points
)
```

Parameters

brush

points

See Also

fillPolygon Method Overload List
AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.fillRectangle Method

Fills a rectangle with a specified brush.

Overload List

Name	Description
AwtGraphics.fillRectangle (Brush, Double, Double, Double, Double)	Fills the rectangle defined by the specified points using the specified brush.
AwtGraphics.fillRectangle (Brush, Int32, Int32, Int32, Int32)	Fills the rectangle defined by the specified points using the specified brush.
AwtGraphics.fillRectangle (Brush, Rectangle)	Fills the specified rectangle with the specified brush.
AwtGraphics.fillRectangle (Brush, Rectangle2D)	Fills the specified rectangle with the specified brush.

See Also

AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.fillRectangle Method (Brush, Double, Double, Double, Double)

Fills the rectangle defined by the specified points using the specified brush.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void fillRectangle (
    Brush brush,
    double x,
    double y,
    double width,
    double height
)
```

Parameters

brush

x

y

width

height

See Also

fillRectangle Method Overload List
AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.fillRectangle Method (Brush, Int32, Int32, Int32, Int32)

Fills the rectangle defined by the specified points using the specified brush.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void fillRectangle (
    Brush brush,
    int x,
    int y,
    int width,
    int height
)
```

Parameters

brush

x

y

width

height

See Also

fillRectangle Method Overload List
AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.fillRectangle Method (Brush, Rectangle)

Fills the specified rectangle with the specified brush.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void fillRectangle (
    Brush brush,
    Rectangle rect
)
```

Parameters

brush

rect

See Also

fillRectangle Method Overload List
AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.fillRectangle Method (Brush, Rectangle2D)

Fills the specified rectangle with the specified brush.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void fillRectangle (
    Brush brush,
    Rectangle2D rect
)
```

Parameters

brush

rect

See Also

fillRectangle Method Overload List
AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.getClip Method

Gets an area representing the current clipping region of the graphics.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public Area getClip ()
```

Return Value

See Also

AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.getClipBounds Method

Gets the bounding rectangle of the current clipping region of the graphics.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public Rectangle getClipBounds ()
```

Return Value

See Also

AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.getFontHeight Method

Gets the height of the specified font.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public double getFontHeight (
    Font f
)
```

Parameters

f

Return Value

See Also

AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.measureString Method

Returns the size of the specified string when drawn in this graphics with the specified attributes.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public Dimension2D measureString (
    String s,
    Font f
)
```

Parameters

s

f

Return Value

See Also

AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.restore Method

Restores the graphics to the specified state.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void restore (
    Object state
)
```

Parameters

state

See Also

AwtGraphics.rotatePointAt Method

Rotates a point.

Overload List

Name	Description
AwtGraphics.rotatePointAt (Point2D, Point2D, Double)	Rotates the specified point around the specified pivot at the specified angle.
AwtGraphics.rotatePointAt(T) (Point2D, Point2D, Double, T)	Rotates the specified point around the specified pivot at the specified angle.

See Also

AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.rotatePointAt Method (Point2D, Point2D, Double)

Rotates the specified point around the specified pivot at the specified angle.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static Point2D rotatePointAt (
    Point2D point,
    Point2D pivot,
    double angle
)
```

Parameters

point

pivot

angle

Return Value

See Also

rotatePointAt Method Overload List
AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.rotatePointAt(T) Method (Point2D, Point2D, Double, T)

Rotates the specified point around the specified pivot at the specified angle.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static <T> T rotatePointAt (
    Point2D point,
    Point2D pivot,
    double angle,
    T result
)
```

Parameters

point

pivot

angle

result

Return Value

See Also

rotatePointAt Method Overload List
AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.rotateTransform Method

Applies a rotation transformation to this graphics.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void rotateTransform (
    double angle
)
```

Parameters

angle

See Also

AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.save Method

Saves the state of the graphics.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public Object save ()
```

Return Value

See Also

AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.setClip Method

Sets the current clipping region of the graphics to the specified area.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void setClip (
    Area reg
)
```

Parameters

reg

See Also

AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

AwtGraphics.translateTransform Method

Applies a translation transformation to this graphics.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void translateTransform (
    double x,
    double y
)
```

Parameters

x

y

See Also

AwtGraphics Members
AwtGraphics Class
com.mindfusion.drawing Namespace

Brush Class

A Brush specifies how the interior of an element should be filled. The SolidBrush and GradientBrush classes inherit this abstract class.

Syntax

Java

```
public abstract class Brush implements Cloneable, Externalizable
```

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.drawing.Brush
    com.mindfusion.drawing.GradientBrush
    com.mindfusion.drawing.HatchBrush
    com.mindfusion.drawing.RadialGradientBrush
    com.mindfusion.drawing.SolidBrush
    com.mindfusion.drawing.TextureBrush

See Also

Brush Members
com.mindfusion.drawing Namespace

Brush Members

A Brush specifies how the interior of an element should be filled. The SolidBrush and GradientBrush classes inherit this abstract class.

The following tables list the members exposed by the Brush type.

Public Constructors

	Name	Description
	Brush	

Public Methods

	Name	Description
	applyTo	Applies the brush to the specified graphics.
	clone	Creates a copy of a brush.
	toColor	Returns a single color approximation of the brush.

See Also

Brush Class
com.mindfusion.drawing Namespace

Brush Constructor

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public Brush ()
```

See Also

Brush Class
com.mindfusion.drawing Namespace

Brush Methods

Brush.applyTo Method

Applies the brush to the specified graphics.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public abstract void applyTo (
    Graphics2D g,
    Rectangle2D bounds
)
```

Parameters

g

bounds

See Also

Brush Members
Brush Class
com.mindfusion.drawing Namespace

Brush.clone Method

Creates a copy of a brush.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public abstract Brush clone ()
```

Return Value

A Brush instance.

See Also

Brush Members
Brush Class
com.mindfusion.drawing Namespace

Brush.toColor Method

Returns a single color approximation of the brush.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public abstract Color toColor ()
```

Return Value

See Also

Brush Members
Brush Class
com.mindfusion.drawing Namespace

Brushes Class

Contains the predefined Brush objects.

Syntax

Java
`public class Brushes`

Inheritance Hierarchy

java.lang.Object
com.mindfusion.drawing.Brushes

See Also

Brushes Members
com.mindfusion.drawing Namespace

Brushes Members

Contains the predefined Brush objects.

The following tables list the members exposed by the Brushes type.

Public Fields

	Name	Description
S	AliceBlue	Represents a brush that has an ARGB value of #FFF0F8FF.
S	AntiqueWhite	Represents a brush that has an ARGB value of #FFFAEBD7.
S	Aqua	Represents a brush that has an ARGB value of #FF00FFFF.
S	Aquamarine	Represents a brush that has an ARGB value of #FF7FFFD4.
S	Azure	Represents a brush that has an ARGB value of #FFF0FFFF.
S	Beige	Represents a brush that has an ARGB value of #FFF5F5DC.
S	Bisque	Represents a brush that has an ARGB value of #FFFFE4C4.
S	Black	Represents a brush that has an ARGB value of #FF000000.
S	BlanchedAlmond	Represents a brush that has an ARGB value of #FFFFEBCD.
S	Blue	Represents a brush that has an ARGB value of #FF0000FF.
S	BlueViolet	Represents a brush that has an ARGB value of #FF8A2BE2.
S	Brown	Represents a brush that has an ARGB value of #FFA52A2A.
S	BurlyWood	Represents a brush that has an ARGB value of #FFDEB887.
S	CadetBlue	Represents a brush that has an ARGB value of #FF5F9EA0.
S	Chartreuse	Represents a brush that has an ARGB value of #FF7FFF00.

	Chocolate	Represents a brush that has an ARGB value of #FFD2691E.
	Coral	Represents a brush that has an ARGB value of #FFFF7F50.
	CornflowerBlue	Represents a brush that has an ARGB value of #FF6495ED.
	Cornsilk	Represents a brush that has an ARGB value of #FFFFF8DC.
	Crimson	Represents a brush that has an ARGB value of #FFDC143C.
	Cyan	Represents a brush that has an ARGB value of #FF00FFFF.
	DarkBlue	Represents a brush that has an ARGB value of #FF00008B.
	DarkCyan	Represents a brush that has an ARGB value of #FF008B8B.
	DarkGoldenrod	Represents a brush that has an ARGB value of #FFB8860B.
	DarkGray	Represents a brush that has an ARGB value of #FFA9A9A9.
	DarkGreen	Represents a brush that has an ARGB value of #FF006400.
	DarkKhaki	Represents a brush that has an ARGB value of #FFBDB76B.
	DarkMagenta	Represents a brush that has an ARGB value of #FF8B008B.
	DarkOliveGreen	Represents a brush that has an ARGB value of #FF556B2F.
	DarkOrange	Represents a brush that has an ARGB value of #FFFF8C00.
	DarkOrchid	Represents a brush that has an ARGB value of #FF9932CC.
	DarkRed	Represents a brush that has an ARGB value of #FF8B0000.
	DarkSalmon	Represents a brush that has an ARGB value of #FFE9967A.
	DarkSeaGreen	Represents a brush that has an ARGB value of #FF8FBC8F.
	DarkSlateBlue	Represents a brush that has an ARGB value of #FF483D8B.
	DarkSlateGray	Represents a brush that has an ARGB value of #FF2F4F4F.
	DarkTurquoise	Represents a brush that has an ARGB value of #FF00CED1.
	DarkViolet	Represents a brush that has an ARGB value of #FF9400D3.
	DeepPink	Represents a brush that has an ARGB value of #FFFF1493.
	DeepSkyBlue	Represents a brush that has an ARGB value of #FF00BFFF.
	DimGray	Represents a brush that has an ARGB value of #FF696969.
	DodgerBlue	Represents a brush that has an ARGB value of #FF1E90FF.
	Firebrick	Represents a brush that has an ARGB value of #FFB22222.
	FloralWhite	Represents a brush that has an ARGB value of #FFFFFAF0.
	ForestGreen	Represents a brush that has an ARGB value of #FF228B22.
	Fuchsia	Represents a brush that has an ARGB value of #FFFF00FF.
	Gainsboro	Represents a brush that has an ARGB value of #FFDCDCDC.
	GhostWhite	Represents a brush that has an ARGB value of #FFF8F8FF.

	Gold	Represents a brush that has an ARGB value of #FFFFD700.
	Goldenrod	Represents a brush that has an ARGB value of #FFDAA520.
	Gray	Represents a brush that has an ARGB value of #FF808080.
	Green	Represents a brush that has an ARGB value of #FF008000.
	GreenYellow	Represents a brush that has an ARGB value of #FFADFF2F.
	Honeydew	Represents a brush that has an ARGB value of #FFF0FFF0.
	HotPink	Represents a brush that has an ARGB value of #FFFF69B4.
	IndianRed	Represents a brush that has an ARGB value of #FFCD5C5C.
	Indigo	Represents a brush that has an ARGB value of #FF4B0082.
	Ivory	Represents a brush that has an ARGB value of #FFFFFFF0.
	Khaki	Represents a brush that has an ARGB value of #FFF0E68C.
	Lavender	Represents a brush that has an ARGB value of #FFE6E6FA.
	LavenderBlush	Represents a brush that has an ARGB value of #FFFFF0F5.
	LawnGreen	Represents a brush that has an ARGB value of #FF7CFC00.
	LemonChiffon	Represents a brush that has an ARGB value of #FFFFFACD.
	LightBlue	Represents a brush that has an ARGB value of #FFADD8E6.
	LightCoral	Represents a brush that has an ARGB value of #FFF08080.
	LightCyan	Represents a brush that has an ARGB value of #FFE0FFFF.
	LightGoldenrodYellow	Represents a brush that has an ARGB value of #FFFAFAD2.
	LightGray	Represents a brush that has an ARGB value of #FFD3D3D3.
	LightGreen	Represents a brush that has an ARGB value of #FF90EE90.
	LightPink	Represents a brush that has an ARGB value of #FFFFB6C1.
	LightSalmon	Represents a brush that has an ARGB value of #FFFFA07A.
	LightSeaGreen	Represents a brush that has an ARGB value of #FF20B2AA.
	LightSkyBlue	Represents a brush that has an ARGB value of #FF87CEFA.
	LightSlateGray	Represents a brush that has an ARGB value of #FF778899.
	LightSteelBlue	Represents a brush that has an ARGB value of #FFB0C4DE.
	LightYellow	Represents a brush that has an ARGB value of #FFFFFFE0.
	Lime	Represents a brush that has an ARGB value of #FF00FF00.
	LimeGreen	Represents a brush that has an ARGB value of #FF32CD32.
	Linen	Represents a brush that has an ARGB value of #FFFAF0E6.
	Magenta	Represents a brush that has an ARGB value of #FFFF00FF.
	Maroon	Represents a brush that has an ARGB value of #FF800000.

	MediumAquamarine	Represents a brush that has an ARGB value of #FF66CDAA.
	MediumBlue	Represents a brush that has an ARGB value of #FF0000CD.
	MediumOrchid	Represents a brush that has an ARGB value of #FFBA55D3.
	MediumPurple	Represents a brush that has an ARGB value of #FF9370DB.
	MediumSeaGreen	Represents a brush that has an ARGB value of #FF3CB371.
	MediumSlateBlue	Represents a brush that has an ARGB value of #FF7B68EE.
	MediumSpringGreen	Represents a brush that has an ARGB value of #FF00FA9A.
	MediumTurquoise	Represents a brush that has an ARGB value of #FF48D1CC.
	MediumVioletRed	Represents a brush that has an ARGB value of #FFC71585.
	MidnightBlue	Represents a brush that has an ARGB value of #FF191970.
	MintCream	Represents a brush that has an ARGB value of #FFF5FFFA.
	MistyRose	Represents a brush that has an ARGB value of #FFFFE4E1.
	Moccasin	Represents a brush that has an ARGB value of #FFFFE4B5.
	NavajoWhite	Represents a brush that has an ARGB value of #FFFFDEAD.
	Navy	Represents a brush that has an ARGB value of #FF000080.
	OldLace	Represents a brush that has an ARGB value of #FFFDF5E6.
	Olive	Represents a brush that has an ARGB value of #FF808000.
	OliveDrab	Represents a brush that has an ARGB value of #FF6B8E23.
	Orange	Represents a brush that has an ARGB value of #FFFFA500.
	OrangeRed	Represents a brush that has an ARGB value of #FFFF4500.
	Orchid	Represents a brush that has an ARGB value of #FFDA70D6.
	PaleGoldenrod	Represents a brush that has an ARGB value of #FFEEE8AA.
	PaleGreen	Represents a brush that has an ARGB value of #FF98FB98.
	PaleTurquoise	Represents a brush that has an ARGB value of #FFAFEEEE.
	PaleVioletRed	Represents a brush that has an ARGB value of #FFDB7093.
	PapayaWhip	Represents a brush that has an ARGB value of #FFFFEFD5.
	PeachPuff	Represents a brush that has an ARGB value of #FFFFDAB9.
	Peru	Represents a brush that has an ARGB value of #FFCD853F.
	Pink	Represents a brush that has an ARGB value of #FFFFC0CB.
	Plum	Represents a brush that has an ARGB value of #FFDDA0DD.
	PowderBlue	Represents a brush that has an ARGB value of #FFB0E0E6.
	Purple	Represents a brush that has an ARGB value of #FF800080.
	Red	Represents a brush that has an ARGB value of #FFFF0000.

	RosyBrown	Represents a brush that has an ARGB value of #FFBC8F8F.
	RoyalBlue	Represents a brush that has an ARGB value of #FF4169E1.
	SaddleBrown	Represents a brush that has an ARGB value of #FF8B4513.
	Salmon	Represents a brush that has an ARGB value of #FFFA8072.
	SandyBrown	Represents a brush that has an ARGB value of #FFF4A460.
	SeaGreen	Represents a brush that has an ARGB value of #FF2E8B57.
	SeaShell	Represents a brush that has an ARGB value of #FFFFF5EE.
	Sienna	Represents a brush that has an ARGB value of #FFA0522D.
	Silver	Represents a brush that has an ARGB value of #FFC0C0C0.
	SkyBlue	Represents a brush that has an ARGB value of #FF87CEEB.
	SlateBlue	Represents a brush that has an ARGB value of #FF6A5ACD.
	SlateGray	Represents a brush that has an ARGB value of #FF708090.
	Snow	Represents a brush that has an ARGB value of #FFFFFAFA.
	SpringGreen	Represents a brush that has an ARGB value of #FF00FF7F.
	SteelBlue	Represents a brush that has an ARGB value of #FF4682B4.
	Tan	Represents a brush that has an ARGB value of #FFD2B48C.
	Teal	Represents a brush that has an ARGB value of #FF008080.
	Thistle	Represents a brush that has an ARGB value of #FFD8BFD8.
	Tomato	Represents a brush that has an ARGB value of #FFFF6347.
	Transparent	Represents a fully transparent brush.
	Turquoise	Represents a brush that has an ARGB value of #FF40E0D0.
	Violet	Represents a brush that has an ARGB value of #FFEE82EE.
	Wheat	Represents a brush that has an ARGB value of #FFF5DEB3.
	White	Represents a brush that has an ARGB value of #FFFFFFFF.
	WhiteSmoke	Represents a brush that has an ARGB value of #FFF5F5F5.
	Yellow	Represents a brush that has an ARGB value of #FFFFFF00.
	YellowGreen	Represents a brush that has an ARGB value of #FF9ACD32.

See Also

Brushes Class
com.mindfusion.drawing Namespace

Brushes Fields

Brushes.AliceBlue Field

Represents a brush that has an ARGB value of #FFF0F8FF.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Brush AliceBlue`

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.AntiqueWhite Field

Represents a brush that has an ARGB value of #FFFAEBD7.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Brush AntiqueWhite`

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Aqua Field

Represents a brush that has an ARGB value of #FF00FFFF.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Brush Aqua`

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Aquamarine Field

Represents a brush that has an ARGB value of #FF7FFFD4.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush Aquamarine
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Azure Field

Represents a brush that has an ARGB value of #FFF0FFFF.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush Azure
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Beige Field

Represents a brush that has an ARGB value of #FFF5F5DC.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush Beige
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Bisque Field

Represents a brush that has an ARGB value of #FFFFE4C4.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush Bisque
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Black Field

Represents a brush that has an ARGB value of #FF000000.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush Black
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.BlanchedAlmond Field

Represents a brush that has an ARGB value of #FFFFEBCD.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush BlanchedAlmond
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Blue Field

Represents a brush that has an ARGB value of #FF0000FF.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush Blue
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.BlueViolet Field

Represents a brush that has an ARGB value of #FF8A2BE2.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush BlueViolet
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Brown Field

Represents a brush that has an ARGB value of #FFA52A2A.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush Brown
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.BurlyWood Field

Represents a brush that has an ARGB value of #FFDEB887.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush BurlyWood
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.CadetBlue Field

Represents a brush that has an ARGB value of #FF5F9EA0.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush CadetBlue
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Chartreuse Field

Represents a brush that has an ARGB value of #FF7FFF00.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Brush Chartreuse
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Chocolate Field

Represents a brush that has an ARGB value of #FFD2691E.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Brush Chocolate
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Coral Field

Represents a brush that has an ARGB value of #FFFF7F50.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Brush Coral
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.CornflowerBlue Field

Represents a brush that has an ARGB value of #FF6495ED.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Brush CornflowerBlue
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Cornsilk Field

Represents a brush that has an ARGB value of #FFFFF8DC.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Brush Cornsilk
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Crimson Field

Represents a brush that has an ARGB value of #FFDC143C.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Brush Crimson
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Cyan Field

Represents a brush that has an ARGB value of #FF00FFFF.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush Cyan
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.DarkBlue Field

Represents a brush that has an ARGB value of #FF00008B.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush DarkBlue
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.DarkCyan Field

Represents a brush that has an ARGB value of #FF008B8B.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush DarkCyan
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.DarkGoldenrod Field

Represents a brush that has an ARGB value of #FFB8860B.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush DarkGoldenrod
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.DarkGray Field

Represents a brush that has an ARGB value of #FFA9A9A9.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush DarkGray
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.DarkGreen Field

Represents a brush that has an ARGB value of #FF006400.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush DarkGreen
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.DarkKhaki Field

Represents a brush that has an ARGB value of #FFBDB76B.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush DarkKhaki
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.DarkMagenta Field

Represents a brush that has an ARGB value of #FF8B008B.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush DarkMagenta
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.DarkOliveGreen Field

Represents a brush that has an ARGB value of #FF556B2F.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush DarkOliveGreen
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.DarkOrange Field

Represents a brush that has an ARGB value of #FFFF8C00.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush DarkOrange
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.DarkOrchid Field

Represents a brush that has an ARGB value of #FF9932CC.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush DarkOrchid
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.DarkRed Field

Represents a brush that has an ARGB value of #FF8B0000.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush DarkRed
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.DarkSalmon Field

Represents a brush that has an ARGB value of #FFE9967A.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush DarkSalmon
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.DarkSeaGreen Field

Represents a brush that has an ARGB value of #FF8FBC8F.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush DarkSeaGreen
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.DarkSlateBlue Field

Represents a brush that has an ARGB value of #FF483D8B.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Brush DarkSlateBlue
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.DarkSlateGray Field

Represents a brush that has an ARGB value of #FF2F4F4F.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Brush DarkSlateGray
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.DarkTurquoise Field

Represents a brush that has an ARGB value of #FF00CED1.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Brush DarkTurquoise
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.DarkViolet Field

Represents a brush that has an ARGB value of #FF9400D3.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Brush DarkViolet
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.DeepPink Field

Represents a brush that has an ARGB value of #FFFF1493.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Brush DeepPink
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.DeepSkyBlue Field

Represents a brush that has an ARGB value of #FF00BFFF.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Brush DeepSkyBlue
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.DimGray Field

Represents a brush that has an ARGB value of #FF696969.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Brush DimGray`

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.DodgerBlue Field

Represents a brush that has an ARGB value of #FF1E90FF.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Brush DodgerBlue`

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Firebrick Field

Represents a brush that has an ARGB value of #FFB22222.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Brush Firebrick`

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.FloralWhite Field

Represents a brush that has an ARGB value of #FFFFFAF0.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush FloralWhite
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.ForestGreen Field

Represents a brush that has an ARGB value of #FF228B22.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush ForestGreen
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Fuchsia Field

Represents a brush that has an ARGB value of #FFFF00FF.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush Fuchsia
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Gainsboro Field

Represents a brush that has an ARGB value of #FFDCDCDC.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush Gainsboro
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.GhostWhite Field

Represents a brush that has an ARGB value of #FFF8F8FF.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush GhostWhite
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Gold Field

Represents a brush that has an ARGB value of #FFFFD700.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush Gold
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Goldenrod Field

Represents a brush that has an ARGB value of #FFDAA520.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush Goldenrod
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Gray Field

Represents a brush that has an ARGB value of #FF808080.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush Gray
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Green Field

Represents a brush that has an ARGB value of #FF008000.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush Green
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.GreenYellow Field

Represents a brush that has an ARGB value of #FFADFF2F.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush GreenYellow
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Honeydew Field

Represents a brush that has an ARGB value of #FFF0FFF0.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush Honeydew
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.HotPink Field

Represents a brush that has an ARGB value of #FFFF69B4.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Brush HotPink
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.IndianRed Field

Represents a brush that has an ARGB value of #FFCD5C5C.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Brush IndianRed
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Indigo Field

Represents a brush that has an ARGB value of #FF4B0082.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Brush Indigo
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Ivory Field

Represents a brush that has an ARGB value of #FFFFFFF0.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Brush Ivory
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Khaki Field

Represents a brush that has an ARGB value of #FFF0E68C.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Brush Khaki
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Lavender Field

Represents a brush that has an ARGB value of #FFE6E6FA.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Brush Lavender
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.LavenderBlush Field

Represents a brush that has an ARGB value of #FFFFF0F5.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Brush LavenderBlush`

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.LawnGreen Field

Represents a brush that has an ARGB value of #FF7CFC00.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Brush LawnGreen`

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.LemonChiffon Field

Represents a brush that has an ARGB value of #FFFFFACD.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Brush LemonChiffon`

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.LightBlue Field

Represents a brush that has an ARGB value of #FFADD8E6.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush LightBlue
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.LightCoral Field

Represents a brush that has an ARGB value of #FFF08080.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush LightCoral
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.LightCyan Field

Represents a brush that has an ARGB value of #FFE0FFFF.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush LightCyan
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.LightGoldenrodYellow Field

Represents a brush that has an ARGB value of #FFFAFAD2.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush LightGoldenrodYellow
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.LightGray Field

Represents a brush that has an ARGB value of #FFD3D3D3.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush LightGray
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.LightGreen Field

Represents a brush that has an ARGB value of #FF90EE90.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush LightGreen
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.LightPink Field

Represents a brush that has an ARGB value of #FFFFB6C1.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush LightPink
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.LightSalmon Field

Represents a brush that has an ARGB value of #FFFFA07A.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush LightSalmon
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.LightSeaGreen Field

Represents a brush that has an ARGB value of #FF20B2AA.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush LightSeaGreen
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.LightSkyBlue Field

Represents a brush that has an ARGB value of #FF87CEFA.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush LightSkyBlue
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.LightSlateGray Field

Represents a brush that has an ARGB value of #FF778899.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush LightSlateGray
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.LightSteelBlue Field

Represents a brush that has an ARGB value of #FFB0C4DE.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Brush LightSteelBlue`

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.LightYellow Field

Represents a brush that has an ARGB value of #FFFFFFE0.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Brush LightYellow`

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Lime Field

Represents a brush that has an ARGB value of #FF00FF00.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Brush Lime`

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.LimeGreen Field

Represents a brush that has an ARGB value of #FF32CD32.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Brush LimeGreen
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Linen Field

Represents a brush that has an ARGB value of #FFFAF0E6.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Brush Linen
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Magenta Field

Represents a brush that has an ARGB value of #FFFF00FF.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Brush Magenta
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Maroon Field

Represents a brush that has an ARGB value of #FF800000.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Brush Maroon`

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.MediumAquamarine Field

Represents a brush that has an ARGB value of #FF66CDAA.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Brush MediumAquamarine`

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.MediumBlue Field

Represents a brush that has an ARGB value of #FF0000CD.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Brush MediumBlue`

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.MediumOrchid Field

Represents a brush that has an ARGB value of #FFBA55D3.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush MediumOrchid
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.MediumPurple Field

Represents a brush that has an ARGB value of #FF9370DB.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush MediumPurple
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.MediumSeaGreen Field

Represents a brush that has an ARGB value of #FF3CB371.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush MediumSeaGreen
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.MediumSlateBlue Field

Represents a brush that has an ARGB value of #FF7B68EE.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush MediumSlateBlue
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.MediumSpringGreen Field

Represents a brush that has an ARGB value of #FF00FA9A.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush MediumSpringGreen
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.MediumTurquoise Field

Represents a brush that has an ARGB value of #FF48D1CC.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush MediumTurquoise
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.MediumVioletRed Field

Represents a brush that has an ARGB value of #FFC71585.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush MediumVioletRed
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.MidnightBlue Field

Represents a brush that has an ARGB value of #FF191970.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush MidnightBlue
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.MintCream Field

Represents a brush that has an ARGB value of #FFF5FFFA.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush MintCream
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.MistyRose Field

Represents a brush that has an ARGB value of #FFFFE4E1.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush MistyRose
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Moccasin Field

Represents a brush that has an ARGB value of #FFFFE4B5.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush Moccasin
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.NavajoWhite Field

Represents a brush that has an ARGB value of #FFFFDEAD.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Brush NavajoWhite`

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Navy Field

Represents a brush that has an ARGB value of #FF000080.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Brush Navy`

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.OldLace Field

Represents a brush that has an ARGB value of #FFFDF5E6.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Brush OldLace`

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Olive Field

Represents a brush that has an ARGB value of #FF808000.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Brush Olive
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.OliveDrab Field

Represents a brush that has an ARGB value of #FF6B8E23.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Brush OliveDrab
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Orange Field

Represents a brush that has an ARGB value of #FFFFA500.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Brush Orange
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.OrangeRed Field

Represents a brush that has an ARGB value of #FFFF4500.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Brush OrangeRed`

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Orchid Field

Represents a brush that has an ARGB value of #FFDA70D6.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Brush Orchid`

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.PaleGoldenrod Field

Represents a brush that has an ARGB value of #FFEEE8AA.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Brush PaleGoldenrod`

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.PaleGreen Field

Represents a brush that has an ARGB value of #FF98FB98.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush PaleGreen
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.PaleTurquoise Field

Represents a brush that has an ARGB value of #FFAFEEEE.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush PaleTurquoise
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.PaleVioletRed Field

Represents a brush that has an ARGB value of #FFDB7093.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush PaleVioletRed
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.PapayaWhip Field

Represents a brush that has an ARGB value of #FFFFEFD5.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush PapayaWhip
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.PeachPuff Field

Represents a brush that has an ARGB value of #FFFFDAB9.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush PeachPuff
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Peru Field

Represents a brush that has an ARGB value of #FFCD853F.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush Peru
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Pink Field

Represents a brush that has an ARGB value of #FFFFC0CB.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush Pink
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Plum Field

Represents a brush that has an ARGB value of #FFDDA0DD.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush Plum
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.PowderBlue Field

Represents a brush that has an ARGB value of #FFB0E0E6.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush PowderBlue
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Purple Field

Represents a brush that has an ARGB value of #FF800080.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush Purple
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Red Field

Represents a brush that has an ARGB value of #FFFF0000.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush Red
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.RosyBrown Field

Represents a brush that has an ARGB value of #FFBC8F8F.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Brush RosyBrown`

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.RoyalBlue Field

Represents a brush that has an ARGB value of #FF4169E1.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Brush RoyalBlue`

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.SaddleBrown Field

Represents a brush that has an ARGB value of #FF8B4513.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Brush SaddleBrown`

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Salmon Field

Represents a brush that has an ARGB value of #FFFA8072.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Brush Salmon`

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.SandyBrown Field

Represents a brush that has an ARGB value of #FFF4A460.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Brush SandyBrown`

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.SeaGreen Field

Represents a brush that has an ARGB value of #FF2E8B57.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Brush SeaGreen`

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.SeaShell Field

Represents a brush that has an ARGB value of #FFFFF5EE.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Brush SeaShell`

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Sienna Field

Represents a brush that has an ARGB value of #FFA0522D.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Brush Sienna`

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Silver Field

Represents a brush that has an ARGB value of #FFC0C0C0.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Brush Silver`

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.SkyBlue Field

Represents a brush that has an ARGB value of #FF87CEEB.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush SkyBlue
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.SlateBlue Field

Represents a brush that has an ARGB value of #FF6A5ACD.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush SlateBlue
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.SlateGray Field

Represents a brush that has an ARGB value of #FF708090.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush SlateGray
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Snow Field

Represents a brush that has an ARGB value of #FFFFFAFA.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush Snow
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.SpringGreen Field

Represents a brush that has an ARGB value of #FF00FF7F.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush SpringGreen
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.SteelBlue Field

Represents a brush that has an ARGB value of #FF4682B4.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush SteelBlue
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Tan Field

Represents a brush that has an ARGB value of #FFD2B48C.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush Tan
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Teal Field

Represents a brush that has an ARGB value of #FF008080.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush Teal
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Thistle Field

Represents a brush that has an ARGB value of #FFD8BFD8.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush Thistle
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Tomato Field

Represents a brush that has an ARGB value of #FFFF6347.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush Tomato
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Transparent Field

Represents a fully transparent brush.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Brush Transparent
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Turquoise Field

Represents a brush that has an ARGB value of #FF40E0D0.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Brush Turquoise
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Violet Field

Represents a brush that has an ARGB value of #FFEE82EE.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Brush Violet
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Wheat Field

Represents a brush that has an ARGB value of #FFF5DEB3.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Brush Wheat
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.White Field

Represents a brush that has an ARGB value of #FFFFFFFF.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Brush White
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.WhiteSmoke Field

Represents a brush that has an ARGB value of #FFF5F5F5.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Brush WhiteSmoke
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.Yellow Field

Represents a brush that has an ARGB value of #FFFFFF00.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Brush Yellow
```

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

Brushes.YellowGreen Field

Represents a brush that has an ARGB value of #FF9ACD32.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Brush YellowGreen`

See Also

Brushes Members
Brushes Class
com.mindfusion.drawing Namespace

CardinalSpline Class

Syntax

Java
`public class CardinalSpline`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.drawing.CardinalSpline

See Also

CardinalSpline Members
com.mindfusion.drawing Namespace

CardinalSpline Members

The following tables list the members exposed by the CardinalSpline type.

Public Constructors

	Name	Description
	CardinalSpline	Overloaded.

Public Methods

	Name	Description
	addToPath	

	draw	

See Also

CardinalSpline Class
com.mindfusion.drawing Namespace

CardinalSpline Constructor

Overload List

Name	Description
CardinalSpline (List(Point2D))	
CardinalSpline (List(Point2D), Point2D, Point2D)	

See Also

CardinalSpline Class
com.mindfusion.drawing Namespace

CardinalSpline Constructor (List(Point2D))

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public CardinalSpline (
    List<Point2D> points
)
```

Parameters

points

See Also

CardinalSpline Constructor Overload List
CardinalSpline Class
com.mindfusion.drawing Namespace

CardinalSpline Constructor (List(Point2D), Point2D, Point2D)

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public CardinalSpline (
    List<Point2D> points,
    Point2D from,
    Point2D to
)
```

Parameters

points

from

to

See Also

CardinalSpline Constructor Overload List
CardinalSpline Class
com.mindfusion.drawing Namespace

CardinalSpline Methods

CardinalSpline.addToPath Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public void addToPath (
    GeneralPath path
)
```

Parameters

path

See Also

CardinalSpline Members
CardinalSpline Class
com.mindfusion.drawing Namespace

CardinalSpline.draw Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

`public void draw (`
`    Graphics2D graphics`
`)`

Parameters

graphics

See Also

CardinalSpline Members
CardinalSpline Class
com.mindfusion.drawing Namespace

Colors Class

Contains the predefined Color objects.

Syntax

Java
`public class Colors`

Inheritance Hierarchy

java.lang.Object
com.mindfusion.drawing.Colors

See Also

Colors Members
com.mindfusion.drawing Namespace

Colors Members

Contains the predefined Color objects.

The following tables list the members exposed by the Colors type.

Public Fields

	Name	Description
	AliceBlue	Represents a color that has an ARGB value of #FFF0F8FF.
	AntiqueWhite	Represents a color that has an ARGB value of #FFFAEBD7.
	Aqua	Represents a color that has an ARGB value of #FF00FFFF.
	Aquamarine	Represents a color that has an ARGB value of #FF7FFFD4.
	Azure	Represents a color that has an ARGB value of #FFF0FFFF.

	Beige	Represents a color that has an ARGB value of #FFF5F5DC.
	Bisque	Represents a color that has an ARGB value of #FFFFE4C4.
	Black	Represents a color that has an ARGB value of #FF000000.
	BlanchedAlmond	Represents a color that has an ARGB value of #FFFFEBCD.
	Blue	Represents a color that has an ARGB value of #FF0000FF.
	BlueViolet	Represents a color that has an ARGB value of #FF8A2BE2.
	Brown	Represents a color that has an ARGB value of #FFA52A2A.
	BurlyWood	Represents a color that has an ARGB value of #FFDEB887.
	CadetBlue	Represents a color that has an ARGB value of #FF5F9EA0.
	Chartreuse	Represents a color that has an ARGB value of #FF7FFF00.
	Chocolate	Represents a color that has an ARGB value of #FFD2691E.
	Coral	Represents a color that has an ARGB value of #FFFF7F50.
	CornflowerBlue	Represents a color that has an ARGB value of #FF6495ED.
	Cornsilk	Represents a color that has an ARGB value of #FFFFF8DC.
	Crimson	Represents a color that has an ARGB value of #FFDC143C.
	Cyan	Represents a color that has an ARGB value of #FF00FFFF.
	DarkBlue	Represents a color that has an ARGB value of #FF00008B.
	DarkCyan	Represents a color that has an ARGB value of #FF008B8B.
	DarkGoldenrod	Represents a color that has an ARGB value of #FFB8860B.
	DarkGray	Represents a color that has an ARGB value of #FFA9A9A9.
	DarkGreen	Represents a color that has an ARGB value of #FF006400.
	DarkKhaki	Represents a color that has an ARGB value of #FFBDB76B.
	DarkMagenta	Represents a color that has an ARGB value of #FF8B008B.
	DarkOliveGreen	Represents a color that has an ARGB value of #FF556B2F.
	DarkOrange	Represents a color that has an ARGB value of #FFFF8C00.
	DarkOrchid	Represents a color that has an ARGB value of #FF9932CC.
	DarkRed	Represents a color that has an ARGB value of #FF8B0000.
	DarkSalmon	Represents a color that has an ARGB value of #FFE9967A.
	DarkSeaGreen	Represents a color that has an ARGB value of #FF8FBC8F.
	DarkSlateBlue	Represents a color that has an ARGB value of #FF483D8B.
	DarkSlateGray	Represents a color that has an ARGB value of #FF2F4F4F.
	DarkTurquoise	Represents a color that has an ARGB value of #FF00CED1.
	DarkViolet	Represents a color that has an ARGB value of #FF9400D3.

	DeepPink	Represents a color that has an ARGB value of #FFFF1493.
	DeepSkyBlue	Represents a color that has an ARGB value of #FF00BFFF.
	DimGray	Represents a color that has an ARGB value of #FF696969.
	DodgerBlue	Represents a color that has an ARGB value of #FF1E90FF.
	Empty	Represents an undefined color.
	Firebrick	Represents a color that has an ARGB value of #FFB22222.
	FloralWhite	Represents a color that has an ARGB value of #FFFFFAF0.
	ForestGreen	Represents a color that has an ARGB value of #FF228B22.
	Fuchsia	Represents a color that has an ARGB value of #FFFF00FF.
	Gainsboro	Represents a color that has an ARGB value of #FFDCDCDC.
	GhostWhite	Represents a color that has an ARGB value of #FFF8F8FF.
	Gold	Represents a color that has an ARGB value of #FFFFD700.
	Goldenrod	Represents a color that has an ARGB value of #FFDAA520.
	Gray	Represents a color that has an ARGB value of #FF808080.
	Green	Represents a color that has an ARGB value of #FF008000.
	GreenYellow	Represents a color that has an ARGB value of #FFADFF2F.
	Honeydew	Represents a color that has an ARGB value of #FFF0FFF0.
	HotPink	Represents a color that has an ARGB value of #FFFF69B4.
	IndianRed	Represents a color that has an ARGB value of #FFCD5C5C.
	Indigo	Represents a color that has an ARGB value of #FF4B0082.
	Ivory	Represents a color that has an ARGB value of #FFFFFFF0.
	Khaki	Represents a color that has an ARGB value of #FFF0E68C.
	Lavender	Represents a color that has an ARGB value of #FFE6E6FA.
	LavenderBlush	Represents a color that has an ARGB value of #FFFFF0F5.
	LawnGreen	Represents a color that has an ARGB value of #FF7CFC00.
	LemonChiffon	Represents a color that has an ARGB value of #FFFFFACD.
	LightBlue	Represents a color that has an ARGB value of #FFADD8E6.
	LightCoral	Represents a color that has an ARGB value of #FFF08080.
	LightCyan	Represents a color that has an ARGB value of #FFE0FFFF.
	LightGoldenrodYellow	Represents a color that has an ARGB value of #FFFAFAD2.
	LightGray	Represents a color that has an ARGB value of #FFD3D3D3.
	LightGreen	Represents a color that has an ARGB value of #FF90EE90.
	LightPink	Represents a color that has an ARGB value of #FFFFB6C1.

	LightSalmon	Represents a color that has an ARGB value of #FFFFA07A.
	LightSeaGreen	Represents a color that has an ARGB value of #FF20B2AA.
	LightSkyBlue	Represents a color that has an ARGB value of #FF87CEFA.
	LightSlateGray	Represents a color that has an ARGB value of #FF778899.
	LightSteelBlue	Represents a color that has an ARGB value of #FFB0C4DE.
	LightYellow	Represents a color that has an ARGB value of #FFFFFFE0.
	Lime	Represents a color that has an ARGB value of #FF00FF00.
	LimeGreen	Represents a color that has an ARGB value of #FF32CD32.
	Linen	Represents a color that has an ARGB value of #FFFAF0E6.
	Magenta	Represents a color that has an ARGB value of #FFFF00FF.
	Maroon	Represents a color that has an ARGB value of #FF800000.
	MediumAquamarine	Represents a color that has an ARGB value of #FF66CDAA.
	MediumBlue	Represents a color that has an ARGB value of #FF0000CD.
	MediumOrchid	Represents a color that has an ARGB value of #FFBA55D3.
	MediumPurple	Represents a color that has an ARGB value of #FF9370DB.
	MediumSeaGreen	Represents a color that has an ARGB value of #FF3CB371.
	MediumSlateBlue	Represents a color that has an ARGB value of #FF7B68EE.
	MediumSpringGreen	Represents a color that has an ARGB value of #FF00FA9A.
	MediumTurquoise	Represents a color that has an ARGB value of #FF48D1CC.
	MediumVioletRed	Represents a color that has an ARGB value of #FFC71585.
	MidnightBlue	Represents a color that has an ARGB value of #FF191970.
	MintCream	Represents a color that has an ARGB value of #FFF5FFFA.
	MistyRose	Represents a color that has an ARGB value of #FFFFE4E1.
	Moccasin	Represents a color that has an ARGB value of #FFFFE4B5.
	NavajoWhite	Represents a color that has an ARGB value of #FFFFDEAD.
	Navy	Represents a color that has an ARGB value of #FF000080.
	OldLace	Represents a color that has an ARGB value of #FFFDF5E6.
	Olive	Represents a color that has an ARGB value of #FF808000.
	OliveDrab	Represents a color that has an ARGB value of #FF6B8E23.
	Orange	Represents a color that has an ARGB value of #FFFFA500.
	OrangeRed	Represents a color that has an ARGB value of #FFFF4500.
	Orchid	Represents a color that has an ARGB value of #FFDA70D6.
	PaleGoldenrod	Represents a color that has an ARGB value of #FFEEE8AA.

	PaleGreen	Represents a color that has an ARGB value of #FF98FB98.
	PaleTurquoise	Represents a color that has an ARGB value of #FFAFEEEE.
	PaleVioletRed	Represents a color that has an ARGB value of #FFDB7093.
	PapayaWhip	Represents a color that has an ARGB value of #FFFFEFD5.
	PeachPuff	Represents a color that has an ARGB value of #FFFFDAB9.
	Peru	Represents a color that has an ARGB value of #FFCD853F.
	Pink	Represents a color that has an ARGB value of #FFFFC0CB.
	Plum	Represents a color that has an ARGB value of #FFDDA0DD.
	PowderBlue	Represents a color that has an ARGB value of #FFB0E0E6.
	Purple	Represents a color that has an ARGB value of #FF800080.
	Red	Represents a color that has an ARGB value of #FFFF0000.
	RosyBrown	Represents a color that has an ARGB value of #FFBC8F8F.
	RoyalBlue	Represents a color that has an ARGB value of #FF4169E1.
	SaddleBrown	Represents a color that has an ARGB value of #FF8B4513.
	Salmon	Represents a color that has an ARGB value of #FFFA8072.
	SandyBrown	Represents a color that has an ARGB value of #FFF4A460.
	SeaGreen	Represents a color that has an ARGB value of #FF2E8B57.
	SeaShell	Represents a color that has an ARGB value of #FFFFF5EE.
	Sienna	Represents a color that has an ARGB value of #FFA0522D.
	Silver	Represents a color that has an ARGB value of #FFC0C0C0.
	SkyBlue	Represents a color that has an ARGB value of #FF87CEEB.
	SlateBlue	Represents a color that has an ARGB value of #FF6A5ACD.
	SlateGray	Represents a color that has an ARGB value of #FF708090.
	Snow	Represents a color that has an ARGB value of #FFFFFAFA.
	SpringGreen	Represents a color that has an ARGB value of #FF00FF7F.
	SteelBlue	Represents a color that has an ARGB value of #FF4682B4.
	Tan	Represents a color that has an ARGB value of #FFD2B48C.
	Teal	Represents a color that has an ARGB value of #FF008080.
	Thistle	Represents a color that has an ARGB value of #FFD8BFD8.
	Tomato	Represents a color that has an ARGB value of #FFFF6347.
	Transparent	Represents a fully transparent color.
	Turquoise	Represents a color that has an ARGB value of #FF40E0D0.
	Violet	Represents a color that has an ARGB value of #FFEE82EE.

	Wheat	Represents a color that has an ARGB value of #FFF5DEB3.
	White	Represents a color that has an ARGB value of #FFFFFFFF.
	WhiteSmoke	Represents a color that has an ARGB value of #FFF5F5F5.
	Yellow	Represents a color that has an ARGB value of #FFFFFF00.
	YellowGreen	Represents a color that has an ARGB value of #FF9ACD32.

Public Methods

	Name	Description
	fromName	

See Also

Colors Class
com.mindfusion.drawing Namespace

Colors Fields

Colors.AliceBlue Field

Represents a color that has an ARGB value of #FFF0F8FF.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color AliceBlue
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.AntiqueWhite Field

Represents a color that has an ARGB value of #FFFAEBD7.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color AntiqueWhite
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Aqua Field

Represents a color that has an ARGB value of #FF00FFFF.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color Aqua
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Aquamarine Field

Represents a color that has an ARGB value of #FF7FFFD4.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color Aquamarine
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Azure Field

Represents a color that has an ARGB value of #FFF0FFFF.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color Azure
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Beige Field

Represents a color that has an ARGB value of #FFF5F5DC.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color Beige
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Bisque Field

Represents a color that has an ARGB value of #FFFFE4C4.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color Bisque
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Black Field

Represents a color that has an ARGB value of #FF000000.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color Black
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.BlanchedAlmond Field

Represents a color that has an ARGB value of #FFFFEBCD.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color BlanchedAlmond
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Blue Field

Represents a color that has an ARGB value of #FF0000FF.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color Blue
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.BlueViolet Field

Represents a color that has an ARGB value of #FF8A2BE2.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color BlueViolet
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Brown Field

Represents a color that has an ARGB value of #FFA52A2A.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color Brown
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.BurlyWood Field

Represents a color that has an ARGB value of #FFDEB887.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color BurlyWood
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.CadetBlue Field

Represents a color that has an ARGB value of #FF5F9EA0.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color CadetBlue
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Chartreuse Field

Represents a color that has an ARGB value of #FF7FFF00.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color Chartreuse
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Chocolate Field

Represents a color that has an ARGB value of #FFD2691E.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color Chocolate
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Coral Field

Represents a color that has an ARGB value of #FFFF7F50.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Color Coral`

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.CornflowerBlue Field

Represents a color that has an ARGB value of #FF6495ED.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Color CornflowerBlue`

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Cornsilk Field

Represents a color that has an ARGB value of #FFFFF8DC.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Color Cornsilk`

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Crimson Field

Represents a color that has an ARGB value of #FFDC143C.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color Crimson
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Cyan Field

Represents a color that has an ARGB value of #FF00FFFF.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color Cyan
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.DarkBlue Field

Represents a color that has an ARGB value of #FF00008B.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color DarkBlue
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.DarkCyan Field

Represents a color that has an ARGB value of #FF008B8B.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color DarkCyan
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.DarkGoldenrod Field

Represents a color that has an ARGB value of #FFB8860B.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color DarkGoldenrod
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.DarkGray Field

Represents a color that has an ARGB value of #FFA9A9A9.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color DarkGray
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.DarkGreen Field

Represents a color that has an ARGB value of #FF006400.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color DarkGreen
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.DarkKhaki Field

Represents a color that has an ARGB value of #FFBDB76B.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color DarkKhaki
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.DarkMagenta Field

Represents a color that has an ARGB value of #FF8B008B.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color DarkMagenta
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.DarkOliveGreen Field

Represents a color that has an ARGB value of #FF556B2F.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color DarkOliveGreen
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.DarkOrange Field

Represents a color that has an ARGB value of #FFFF8C00.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color DarkOrange
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.DarkOrchid Field

Represents a color that has an ARGB value of #FF9932CC.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color DarkOrchid
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.DarkRed Field

Represents a color that has an ARGB value of #FF8B0000.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color DarkRed
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.DarkSalmon Field

Represents a color that has an ARGB value of #FFE9967A.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color DarkSalmon
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.DarkSeaGreen Field

Represents a color that has an ARGB value of #FF8FBC8F.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color DarkSeaGreen
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.DarkSlateBlue Field

Represents a color that has an ARGB value of #FF483D8B.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color DarkSlateBlue
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.DarkSlateGray Field

Represents a color that has an ARGB value of #FF2F4F4F.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color DarkSlateGray
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.DarkTurquoise Field

Represents a color that has an ARGB value of #FF00CED1.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color DarkTurquoise
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.DarkViolet Field

Represents a color that has an ARGB value of #FF9400D3.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color DarkViolet
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.DeepPink Field

Represents a color that has an ARGB value of #FFFF1493.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color DeepPink
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.DeepSkyBlue Field

Represents a color that has an ARGB value of #FF00BFFF.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color DeepSkyBlue
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.DimGray Field

Represents a color that has an ARGB value of #FF696969.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color DimGray
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.DodgerBlue Field

Represents a color that has an ARGB value of #FF1E90FF.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color DodgerBlue
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Empty Field

Represents an undefined color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color Empty
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Firebrick Field

Represents a color that has an ARGB value of #FFB22222.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color Firebrick
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.FloralWhite Field

Represents a color that has an ARGB value of #FFFFFAF0.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color FloralWhite
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.ForestGreen Field

Represents a color that has an ARGB value of #FF228B22.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color ForestGreen
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Fuchsia Field

Represents a color that has an ARGB value of #FFFF00FF.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color Fuchsia
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Gainsboro Field

Represents a color that has an ARGB value of #FFDCDCDC.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color Gainsboro
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.GhostWhite Field

Represents a color that has an ARGB value of #FFF8F8FF.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color GhostWhite
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Gold Field

Represents a color that has an ARGB value of #FFFFD700.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color Gold
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Goldenrod Field

Represents a color that has an ARGB value of #FFDAA520.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color Goldenrod
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Gray Field

Represents a color that has an ARGB value of #FF808080.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color Gray
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Green Field

Represents a color that has an ARGB value of #FF008000.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color Green
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.GreenYellow Field

Represents a color that has an ARGB value of #FFADFF2F.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color GreenYellow
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Honeydew Field

Represents a color that has an ARGB value of #FFF0FFF0.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color Honeydew
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.HotPink Field

Represents a color that has an ARGB value of #FFFF69B4.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color HotPink
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.IndianRed Field

Represents a color that has an ARGB value of #FFCD5C5C.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Color IndianRed`

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Indigo Field

Represents a color that has an ARGB value of #FF4B0082.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Color Indigo`

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Ivory Field

Represents a color that has an ARGB value of #FFFFFFF0.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Color Ivory`

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Khaki Field

Represents a color that has an ARGB value of #FFF0E68C.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color Khaki
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Lavender Field

Represents a color that has an ARGB value of #FFE6E6FA.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color Lavender
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.LavenderBlush Field

Represents a color that has an ARGB value of #FFFFF0F5.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color LavenderBlush
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.LawnGreen Field

Represents a color that has an ARGB value of #FF7CFC00.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color LawnGreen
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.LemonChiffon Field

Represents a color that has an ARGB value of #FFFFFACD.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color LemonChiffon
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.LightBlue Field

Represents a color that has an ARGB value of #FFADD8E6.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color LightBlue
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.LightCoral Field

Represents a color that has an ARGB value of #FFF08080.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color LightCoral
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.LightCyan Field

Represents a color that has an ARGB value of #FFE0FFFF.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color LightCyan
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.LightGoldenrodYellow Field

Represents a color that has an ARGB value of #FFFAFAD2.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color LightGoldenrodYellow
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.LightGray Field

Represents a color that has an ARGB value of #FFD3D3D3.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color LightGray
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.LightGreen Field

Represents a color that has an ARGB value of #FF90EE90.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color LightGreen
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.LightPink Field

Represents a color that has an ARGB value of #FFFFB6C1.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color LightPink
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.LightSalmon Field

Represents a color that has an ARGB value of #FFFFA07A.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color LightSalmon
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.LightSeaGreen Field

Represents a color that has an ARGB value of #FF20B2AA.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color LightSeaGreen
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.LightSkyBlue Field

Represents a color that has an ARGB value of #FF87CEFA.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color LightSkyBlue
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.LightSlateGray Field

Represents a color that has an ARGB value of #FF778899.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color LightSlateGray
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.LightSteelBlue Field

Represents a color that has an ARGB value of #FFB0C4DE.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color LightSteelBlue
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.LightYellow Field

Represents a color that has an ARGB value of #FFFFFFE0.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color LightYellow
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Lime Field

Represents a color that has an ARGB value of #FF00FF00.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color Lime
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.LimeGreen Field

Represents a color that has an ARGB value of #FF32CD32.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color LimeGreen
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Linen Field

Represents a color that has an ARGB value of #FFFAF0E6.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color Linen
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Magenta Field

Represents a color that has an ARGB value of #FFFF00FF.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color Magenta
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Maroon Field

Represents a color that has an ARGB value of #FF800000.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color Maroon
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.MediumAquamarine Field

Represents a color that has an ARGB value of #FF66CDAA.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color MediumAquamarine
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.MediumBlue Field

Represents a color that has an ARGB value of #FF0000CD.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color MediumBlue
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.MediumOrchid Field

Represents a color that has an ARGB value of #FFBA55D3.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color MediumOrchid
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.MediumPurple Field

Represents a color that has an ARGB value of #FF9370DB.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color MediumPurple
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.MediumSeaGreen Field

Represents a color that has an ARGB value of #FF3CB371.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color MediumSeaGreen
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.MediumSlateBlue Field

Represents a color that has an ARGB value of #FF7B68EE.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color MediumSlateBlue
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.MediumSpringGreen Field

Represents a color that has an ARGB value of #FF00FA9A.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color MediumSpringGreen
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.MediumTurquoise Field

Represents a color that has an ARGB value of #FF48D1CC.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color MediumTurquoise
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.MediumVioletRed Field

Represents a color that has an ARGB value of #FFC71585.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Color MediumVioletRed`

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.MidnightBlue Field

Represents a color that has an ARGB value of #FF191970.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Color MidnightBlue`

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.MintCream Field

Represents a color that has an ARGB value of #FFF5FFFA.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Color MintCream`

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.MistyRose Field

Represents a color that has an ARGB value of #FFFFE4E1.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color MistyRose
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Moccasin Field

Represents a color that has an ARGB value of #FFFFE4B5.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color Moccasin
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.NavajoWhite Field

Represents a color that has an ARGB value of #FFFFDEAD.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color NavajoWhite
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Navy Field

Represents a color that has an ARGB value of #FF000080.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Color Navy`

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.OldLace Field

Represents a color that has an ARGB value of #FFFDF5E6.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Color OldLace`

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Olive Field

Represents a color that has an ARGB value of #FF808000.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Color Olive`

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.OliveDrab Field

Represents a color that has an ARGB value of #FF6B8E23.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color OliveDrab
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Orange Field

Represents a color that has an ARGB value of #FFFFA500.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color Orange
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.OrangeRed Field

Represents a color that has an ARGB value of #FFFF4500.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color OrangeRed
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Orchid Field

Represents a color that has an ARGB value of #FFDA70D6.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color Orchid
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.PaleGoldenrod Field

Represents a color that has an ARGB value of #FFEEE8AA.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color PaleGoldenrod
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.PaleGreen Field

Represents a color that has an ARGB value of #FF98FB98.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color PaleGreen
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.PaleTurquoise Field

Represents a color that has an ARGB value of #FFAFEEEE.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color PaleTurquoise
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.PaleVioletRed Field

Represents a color that has an ARGB value of #FFDB7093.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color PaleVioletRed
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.PapayaWhip Field

Represents a color that has an ARGB value of #FFFFEFD5.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color PapayaWhip
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.PeachPuff Field

Represents a color that has an ARGB value of #FFFFDAB9.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color PeachPuff
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Peru Field

Represents a color that has an ARGB value of #FFCD853F.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color Peru
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Pink Field

Represents a color that has an ARGB value of #FFFFC0CB.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color Pink
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Plum Field

Represents a color that has an ARGB value of #FFDDA0DD.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color Plum
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.PowderBlue Field

Represents a color that has an ARGB value of #FFB0E0E6.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color PowderBlue
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Purple Field

Represents a color that has an ARGB value of #FF800080.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color Purple
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Red Field

Represents a color that has an ARGB value of #FFFF0000.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color Red
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.RosyBrown Field

Represents a color that has an ARGB value of #FFBC8F8F.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color RosyBrown
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.RoyalBlue Field

Represents a color that has an ARGB value of #FF4169E1.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Color RoyalBlue`

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.SaddleBrown Field

Represents a color that has an ARGB value of #FF8B4513.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Color SaddleBrown`

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Salmon Field

Represents a color that has an ARGB value of #FFFA8072.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Color Salmon`

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.SandyBrown Field

Represents a color that has an ARGB value of #FFF4A460.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color SandyBrown
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.SeaGreen Field

Represents a color that has an ARGB value of #FF2E8B57.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color SeaGreen
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.SeaShell Field

Represents a color that has an ARGB value of #FFFFF5EE.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color SeaShell
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Sienna Field

Represents a color that has an ARGB value of #FFA0522D.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color Sienna
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Silver Field

Represents a color that has an ARGB value of #FFC0C0C0.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color Silver
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.SkyBlue Field

Represents a color that has an ARGB value of #FF87CEEB.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color SkyBlue
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.SlateBlue Field

Represents a color that has an ARGB value of #FF6A5ACD.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color SlateBlue
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.SlateGray Field

Represents a color that has an ARGB value of #FF708090.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color SlateGray
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Snow Field

Represents a color that has an ARGB value of #FFFFFAFA.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color Snow
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.SpringGreen Field

Represents a color that has an ARGB value of #FF00FF7F.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color SpringGreen
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.SteelBlue Field

Represents a color that has an ARGB value of #FF4682B4.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color SteelBlue
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Tan Field

Represents a color that has an ARGB value of #FFD2B48C.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color Tan
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Teal Field

Represents a color that has an ARGB value of #FF008080.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color Teal
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Thistle Field

Represents a color that has an ARGB value of #FFD8BFD8.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color Thistle
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Tomato Field

Represents a color that has an ARGB value of #FFFF6347.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color Tomato
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Transparent Field

Represents a fully transparent color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color Transparent
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Turquoise Field

Represents a color that has an ARGB value of #FF40E0D0.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Color Turquoise
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Violet Field

Represents a color that has an ARGB value of #FFEE82EE.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Color Violet`

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Wheat Field

Represents a color that has an ARGB value of #FFF5DEB3.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Color Wheat`

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.White Field

Represents a color that has an ARGB value of #FFFFFFFF.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Color White`

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.WhiteSmoke Field

Represents a color that has an ARGB value of #FFF5F5F5.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color WhiteSmoke
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.Yellow Field

Represents a color that has an ARGB value of #FFFFFF00.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color Yellow
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors.YellowGreen Field

Represents a color that has an ARGB value of #FF9ACD32.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Color YellowGreen
```

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

Colors Methods

Colors.fromName Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

`public static Color fromName (`
`  String name`
`)`

Parameters

name

Return Value

See Also

Colors Members
Colors Class
com.mindfusion.drawing Namespace

CombineMode Enumeration

Specifies how different clipping regions can be combined.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public enum CombineMode`

Members

	Member name	Description
	Complement	Specifies that the existing region is replaced by the result of the existing region being removed from the new region. Said differently, the existing region is excluded from the new region.

	Exclude	Specifies that the existing region is replaced by the result of the new region being removed from the existing region. Said differently, the new region is excluded from the existing region.
	Intersect	Two clipping regions are combined by taking their intersection.
	Replace	One clipping region is replaced by another.
	Union	Two clipping regions are combined by taking the union of both.
	Xor	Two clipping regions are combined by taking only the areas enclosed by one or the other region, but not both.

See Also

com.mindfusion.drawing Namespace

DashStyle Class

Represents the dash style of a contour.

Syntax

Java
`public class DashStyle implements Externalizable`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.drawing.DashStyle

See Also

DashStyle Members
com.mindfusion.drawing Namespace

DashStyle Members

Represents the dash style of a contour.

The following tables list the members exposed by the DashStyle type.

Public Constructors

	Name	Description
	DashStyle	Overloaded.

Public Fields

	Name	Description
	Dash	
	DashDot	
	DashDotDot	
	Dot	
	Solid	

Public Methods

	Name	Description
	clone	Creates a copy of the **DashStyle**.
	equals	
	fromId	
	getDashArray	Returns the array that defines the dash pattern.
	getDashPhase	Gets a value indicating the start offset into the dash pattern.
	getId	
	readExternal	Implements Externalizable.
	writeExternal	Implements Externalizable.

See Also

DashStyle Class
com.mindfusion.drawing Namespace

DashStyle Fields

DashStyle.Dash Field

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final DashStyle Dash`

See Also

DashStyle Members
DashStyle Class
com.mindfusion.drawing Namespace

DashStyle.DashDot Field

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final DashStyle DashDot
```

See Also

DashStyle Members
DashStyle Class
com.mindfusion.drawing Namespace

DashStyle.DashDotDot Field

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final DashStyle DashDotDot
```

See Also

DashStyle Members
DashStyle Class
com.mindfusion.drawing Namespace

DashStyle.Dot Field

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final DashStyle Dot
```

See Also

DashStyle Members
DashStyle Class
com.mindfusion.drawing Namespace

DashStyle.Solid Field

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final DashStyle Solid`

See Also

DashStyle Members
DashStyle Class
com.mindfusion.drawing Namespace

DashStyle Constructor

Overload List

Name	Description
DashStyle ()	Initializes a new DashStyle instance.
DashStyle (Single[], Single)	Initializes a new **DashStyle** instance.

See Also

DashStyle Class
com.mindfusion.drawing Namespace

DashStyle Constructor ()

Initializes a new DashStyle instance.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public DashStyle ()`

See Also

DashStyle Constructor Overload List
DashStyle Class
com.mindfusion.drawing Namespace

DashStyle Constructor (Single[], Single)

Initializes a new DashStyle instance.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public DashStyle (
    float[] dashArray,
    float dashPhase
)
```

Parameters

dashArray
A float array containing dash lengths.

dashPhase
A float value specifying the start offset.

See Also

DashStyle Constructor Overload List
DashStyle Class
com.mindfusion.drawing Namespace

DashStyle Methods

DashStyle.clone Method

Creates a copy of the DashStyle.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public Object clone ()
```

Return Value

A DashStyle instance.

See Also

DashStyle Members
DashStyle Class
com.mindfusion.drawing Namespace

DashStyle.equals Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public boolean equals (
    Object obj
)
```

Parameters

obj

Return Value

See Also

DashStyle Members
DashStyle Class
com.mindfusion.drawing Namespace

DashStyle.fromId Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static DashStyle fromId (
    int id
)
```

Parameters

id

Return Value

See Also

DashStyle Members
DashStyle Class
com.mindfusion.drawing Namespace

DashStyle.getDashArray Method

Returns the array that defines the dash pattern.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public float[] getDashArray ()
```

Return Value

A float array containing dash lengths.

See Also

DashStyle Members
DashStyle Class
com.mindfusion.drawing Namespace

DashStyle.getDashPhase Method

Gets a value indicating the start offset into the dash pattern.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public float getDashPhase ()
```

Return Value

A float value specifying the start offset.

See Also

DashStyle Members
DashStyle Class
com.mindfusion.drawing Namespace

DashStyle.getId Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public int getId ()
```

Return Value

See Also

DashStyle Members
DashStyle Class
com.mindfusion.drawing Namespace

DashStyle.readExternal Method

Implements Externalizable.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void readExternal (
    ObjectInput in
)
```

Parameters

in

See Also

DashStyle Members
DashStyle Class
com.mindfusion.drawing Namespace

DashStyle.writeExternal Method

Implements Externalizable.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void writeExternal (
    ObjectOutput out
)
```

Parameters

out

See Also

DashStyle Members
DashStyle Class
com.mindfusion.drawing Namespace

ExternalizableImage Class

Implement support for serialization of shared images.

Syntax

Java
`public class ExternalizableImage implements Externalizable`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.drawing.ExternalizableImage

See Also

ExternalizableImage Members
com.mindfusion.drawing Namespace

ExternalizableImage Members

Implement support for serialization of shared images.

The following tables list the members exposed by the ExternalizableImage type.

Public Constructors

	Name	Description
	ExternalizableImage	

Public Methods

	Name	Description
	getExImage	
	getImage	
	imageToBufferedImage	
	readExternal	
	writeExternal	

See Also

ExternalizableImage Class
com.mindfusion.drawing Namespace

ExternalizableImage Constructor

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public ExternalizableImage ()
```

See Also

ExternalizableImage Class
com.mindfusion.drawing Namespace

ExternalizableImage Methods

ExternalizableImage.getExImage Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static ExternalizableImage getExImage (
    Image image
)
```

Parameters

image

Return Value

See Also

ExternalizableImage Members
ExternalizableImage Class
com.mindfusion.drawing Namespace

ExternalizableImage.getImage Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public Image getImage ()
```

Return Value

See Also

ExternalizableImage Members
ExternalizableImage Class
com.mindfusion.drawing Namespace

ExternalizableImage.imageToBufferedImage Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static BufferedImage imageToBufferedImage (
    Image img
)
```

Parameters

img

Return Value

See Also

ExternalizableImage Members
ExternalizableImage Class
com.mindfusion.drawing Namespace

ExternalizableImage.readExternal Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void readExternal (
    ObjectInput in
)
```

Parameters

in

See Also

ExternalizableImage Members
ExternalizableImage Class
com.mindfusion.drawing Namespace

ExternalizableImage.writeExternal Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public void writeExternal (
    ObjectOutput out
)
```

Parameters

out

See Also

ExternalizableImage Members
ExternalizableImage Class
com.mindfusion.drawing Namespace

FillMode Enumeration

Typed enumeration corresponding to .NET enum FillMode

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public enum FillMode
```

Members

	Member name	Description
	Alternate	
	Winding	

See Also

com.mindfusion.drawing Namespace

FontStyle Enumeration

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public enum FontStyle`

Members

	Member name	Description
	BOLD	
	ITALIC	
	PLAIN	
	REGULAR	

See Also

com.mindfusion.drawing Namespace

GradientBrush Class

Represents a gradient brush which paints the interior of objects starting with one color and gradually changing to another color by interpolating the RGB values of the two colors.

Syntax

Java
`public class GradientBrush extends Brush`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.drawing.Brush
    com.mindfusion.drawing.GradientBrush

See Also

GradientBrush Members
com.mindfusion.drawing Namespace

GradientBrush Members

Represents a gradient brush which paints the interior of objects starting with one color and gradually changing to another color by interpolating the RGB values of the two colors.

The following tables list the members exposed by the GradientBrush type.

Public Constructors

	Name	Description
	GradientBrush	Overloaded.

Public Methods

	Name	Description
	applyTo	Applies the brush to the specified graphics.
	clone	Creates a clone of the brush.
	getAngle	Gets the gradient orientation angle.
	getColor1	Gets the first gradient color.
	getColor2	Gets the second gradient color.
	getColors	
	getFractions	
	readExternal	Implements Externalizable.
	setAngle	Sets the gradient orientation angle.
	setColor1	Sets the first gradient color.
	setColor2	Sets the second gradient color.
	setColors	
	setFractions	
	toColor	
	writeExternal	Implements Externalizable.

See Also

GradientBrush Class
com.mindfusion.drawing Namespace

GradientBrush Constructor

Overload List

Name	Description
GradientBrush ()	Initializes a new instance of the GradientBrush class.
GradientBrush (Color, Color, Int32)	Initializes a new instance of the **GradientBrush** class.
GradientBrush (Single[], Color[], Int32)	Initializes a new instance of the **GradientBrush** class.

See Also

GradientBrush Class
com.mindfusion.drawing Namespace

GradientBrush Constructor ()

Initializes a new instance of the GradientBrush class.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public GradientBrush ()
```

See Also

GradientBrush Constructor Overload List
GradientBrush Class
com.mindfusion.drawing Namespace

GradientBrush Constructor (Color, Color, Int32)

Initializes a new instance of the GradientBrush class.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public GradientBrush (
    Color color1,
    Color color2,
    int angle
)
```

Parameters

color1
A Color object representing the start color of the gradient.

color2
A Color object representing the end color of the gradient.

angle
An integer value specifying the gradient orientation.

See Also

GradientBrush Constructor Overload List
GradientBrush Class
com.mindfusion.drawing Namespace

GradientBrush Constructor (Single[], Color[], Int32)

Initializes a new instance of the GradientBrush class.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public GradientBrush (
    float[] fractions,
    Color[] colors,
    int angle
)
```

Parameters

fractions
An array of float numbers specifying the positions of the colors along the gradient.

colors
An array of Color objects representing the colors of the gradient.

angle
An integer value specifying the gradient orientation.

Remarks

Instances of the GradientBrush class created using this constructor are currently not serialized.

See Also

GradientBrush Constructor Overload List
GradientBrush Class
com.mindfusion.drawing Namespace

GradientBrush Methods

GradientBrush.applyTo Method

Applies the brush to the specified graphics.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void applyTo (
    Graphics2D g,
    Rectangle2D bounds
)
```

Parameters

g

bounds

See Also

GradientBrush Members
GradientBrush Class

GradientBrush.clone Method

Creates a clone of the brush.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public GradientBrush clone ()
```

Return Value

A GradientBrush instance.

See Also

GradientBrush Members
GradientBrush Class
com.mindfusion.drawing Namespace

GradientBrush.getAngle Method

Gets the gradient orientation angle.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public int getAngle ()
```

Return Value

A float value specifying the gradient angle.

See Also

GradientBrush Members
GradientBrush Class
com.mindfusion.drawing Namespace

GradientBrush.getColor1 Method

Gets the first gradient color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public Color getColor1 ()
```

Return Value

A Color object representing the fill color.

See Also

GradientBrush Members
GradientBrush Class
com.mindfusion.drawing Namespace

GradientBrush.getColor2 Method

Gets the second gradient color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public Color getColor2 ()
```

Return Value

A Color object representing the fill color.

See Also

GradientBrush Members
GradientBrush Class
com.mindfusion.drawing Namespace

GradientBrush.getColors Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public Color[] getColors ()
```

Return Value

See Also

GradientBrush Members
GradientBrush Class
com.mindfusion.drawing Namespace

GradientBrush.getFractions Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public float[] getFractions ()
```

Return Value

See Also

GradientBrush Members
GradientBrush Class
com.mindfusion.drawing Namespace

GradientBrush.readExternal Method

Implements Externalizable.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void readExternal (
    ObjectInput in
)
```

Parameters

in

See Also

GradientBrush Members
GradientBrush Class
com.mindfusion.drawing Namespace

GradientBrush.setAngle Method

Sets the gradient orientation angle.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public void setAngle (
    int angle
)
```

Parameters

angle
A float value specifying the gradient angle.

See Also

GradientBrush Members
GradientBrush Class
com.mindfusion.drawing Namespace

GradientBrush.setColor1 Method

Sets the first gradient color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public void setColor1 (
    Color value
)
```

Parameters

value
A Color object representing the fill color.

See Also

GradientBrush Members
GradientBrush Class
com.mindfusion.drawing Namespace

GradientBrush.setColor2 Method

Sets the second gradient color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
```

```
public void setColor2 (
    Color value
)
```

Parameters

value
A Color object representing the fill color.

See Also

GradientBrush Members
GradientBrush Class
com.mindfusion.drawing Namespace

GradientBrush.setColors Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void setColors (
    Color[] value
)
```

Parameters

value

See Also

GradientBrush Members
GradientBrush Class
com.mindfusion.drawing Namespace

GradientBrush.setFractions Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void setFractions (
    float[] value
)
```

Parameters

value

See Also

GradientBrush Members
GradientBrush Class
com.mindfusion.drawing Namespace

GradientBrush.toColor Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public Color toColor ()
```

Return Value

See Also

GradientBrush Members
GradientBrush Class
com.mindfusion.drawing Namespace

GradientBrush.writeExternal Method

Implements Externalizable.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void writeExternal (
    ObjectOutput out
)
```

Parameters

out

See Also

GradientBrush Members
GradientBrush Class
com.mindfusion.drawing Namespace

GraphicsEx Interface

Syntax

Java
`public interface GraphicsEx`

Inheritors

com.mindfusion.pdf.PdfGraphics2D
com.mindfusion.svg.SvgGraphics2D

See Also

GraphicsEx Members
com.mindfusion.drawing Namespace

GraphicsEx Members

The following tables list the members exposed by the GraphicsEx type.

Public Methods

	Name	Description
	beginHyperLink	
	endHyperLink	
	supportsPenWidth0	
	transformsPenWidth	

See Also

GraphicsEx Interface
com.mindfusion.drawing Namespace

GraphicsEx Methods

GraphicsEx.beginHyperLink Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
void beginHyperLink (
    String hyperLink,
    String target
)
```

Parameters

hyperLink

target

See Also

GraphicsEx Members
GraphicsEx Interface
com.mindfusion.drawing Namespace

GraphicsEx.endHyperLink Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`void endHyperLink ()`

See Also

GraphicsEx Members
GraphicsEx Interface
com.mindfusion.drawing Namespace

GraphicsEx.supportsPenWidth0 Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`boolean supportsPenWidth0 ()`

Return Value

See Also

GraphicsEx Members
GraphicsEx Interface
com.mindfusion.drawing Namespace

GraphicsEx.transformsPenWidth Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`boolean transformsPenWidth ()`

Return Value

See Also

GraphicsEx Members
GraphicsEx Interface
com.mindfusion.drawing Namespace

GraphicsUnit Enumeration

The members of this enumeration specify the unit of measure for graphic objects drawn by JDiagram.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public enum GraphicsUnit`

Members

	Member name	Description
	Centimeter	Specifies centimeters as the unit of measure.
	Display	Specifies 1/100 inch as the unit of measure.
	Document	Specifies the document unit (1/300 inch) as the unit of measure.
	Inch	Specifies the inch as the unit of measure.
	Millimeter	Specifies the millimeter as the unit of measure.
	Percent	Specifies percents as the unit of measure.
	Pixel	Specifies a device pixel as the unit of measure.
	Point	Specifies a printer's point (1/72 inch) as the unit of measure.
	World	
	WpfPoint	Specifies device-independent pixels (1/96 inch) as the unit of measure.

See Also

com.mindfusion.drawing Namespace

HatchBrush Class

Represents a brush that fills the interiors of objects with a hatch pattern.

Syntax

Java
`public class HatchBrush extends Brush`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.drawing.Brush
    com.mindfusion.drawing.HatchBrush

See Also

HatchBrush Members
com.mindfusion.drawing Namespace

HatchBrush Members

Represents a brush that fills the interiors of objects with a hatch pattern.

The following tables list the members exposed by the HatchBrush type.

Public Constructors

	Name	Description
	HatchBrush	Overloaded.

Public Methods

	Name	Description
	applyTo	Applies the brush to the specified graphics.
	clone	Creates a copy of a brush.
	getBackgroundColor	Gets the color of spaces between the hatch lines drawn by this brush.
	getForegroundColor	Gets the color of hatch lines drawn by this brush.
	getHatchStyle	Gets the hatch style of this brush.
	readExternal	Implements Externalizable.
	setBackgroundColor	Sets the color of spaces between the hatch lines drawn by this brush.
	setForegroundColor	Sets the color of hatch lines drawn by this brush.
	setHatchStyle	Sets the hatch style of this brush.
	toColor	

	writeExternal	Implements Externalizable.

See Also

HatchBrush Class
com.mindfusion.drawing Namespace

HatchBrush Constructor

Overload List

Name	Description
HatchBrush ()	Initializes a new HatchBrush instance.
HatchBrush (HatchStyle, Color)	Initializes a new HatchBrush instance.
HatchBrush (HatchStyle, Color, Color)	Initializes a new HatchBrush instance.

See Also

HatchBrush Class
com.mindfusion.drawing Namespace

HatchBrush Constructor ()

Initializes a new HatchBrush instance.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public HatchBrush ()`

See Also

HatchBrush Constructor Overload List
HatchBrush Class
com.mindfusion.drawing Namespace

HatchBrush Constructor (HatchStyle, Color)

Initializes a new HatchBrush instance.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public HatchBrush (
    HatchStyle hatchStyle,
    Color color
)
```

Parameters

hatchStyle

color

See Also

HatchBrush Constructor Overload List
HatchBrush Class
com.mindfusion.drawing Namespace

HatchBrush Constructor (HatchStyle, Color, Color)

Initializes a new HatchBrush instance.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public HatchBrush (
    HatchStyle hatchStyle,
    Color foregroundColor,
    Color backgroundColor
)
```

Parameters

hatchStyle

foregroundColor

backgroundColor

See Also

HatchBrush Constructor Overload List
HatchBrush Class
com.mindfusion.drawing Namespace

HatchBrush Methods

HatchBrush.applyTo Method

Applies the brush to the specified graphics.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void applyTo (
    Graphics2D g,
    Rectangle2D bounds
)
```

Parameters

g

bounds

See Also

HatchBrush Members
HatchBrush Class
com.mindfusion.drawing Namespace

HatchBrush.clone Method

Creates a copy of a brush.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public HatchBrush clone ()
```

Return Value

A Brush instance.

See Also

HatchBrush Members
HatchBrush Class
com.mindfusion.drawing Namespace

HatchBrush.getBackgroundColor Method

Gets the color of spaces between the hatch lines drawn by this brush.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public Color getBackgroundColor ()
```

Return Value

A Color instance specifying the hatch background color.

See Also

HatchBrush Members
HatchBrush Class
com.mindfusion.drawing Namespace

HatchBrush.getForegroundColor Method

Gets the color of hatch lines drawn by this brush.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public Color getForegroundColor ()
```

Return Value

A Color instance specifying the hatch foreground color.

See Also

HatchBrush Members
HatchBrush Class
com.mindfusion.drawing Namespace

HatchBrush.getHatchStyle Method

Gets the hatch style of this brush.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public HatchStyle getHatchStyle ()
```

Return Value

A member of the HatchStyle enumeration.

See Also

HatchBrush Members
HatchBrush Class
com.mindfusion.drawing Namespace

HatchBrush.readExternal Method

Implements Externalizable.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void readExternal (
    ObjectInput in
)
```

Parameters

in

See Also

HatchBrush Members
HatchBrush Class
com.mindfusion.drawing Namespace

HatchBrush.setBackgroundColor Method

Sets the color of spaces between the hatch lines drawn by this brush.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void setBackgroundColor (
    Color value
)
```

Parameters

value
A Color instance specifying the hatch background color.

See Also

HatchBrush Members
HatchBrush Class
com.mindfusion.drawing Namespace

HatchBrush.setForegroundColor Method

Sets the color of hatch lines drawn by this brush.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public void setForegroundColor (
    Color value
)
```

Parameters

value
A Color instance specifying the hatch foreground color.

See Also

HatchBrush Members
HatchBrush Class
com.mindfusion.drawing Namespace

HatchBrush.setHatchStyle Method

Sets the hatch style of this brush.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public void setHatchStyle (
    HatchStyle value
)
```

Parameters

value
A member of the HatchStyle enumeration.

See Also

HatchBrush Members
HatchBrush Class
com.mindfusion.drawing Namespace

HatchBrush.toColor Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public Color toColor ()
```

Return Value

See Also

HatchBrush Members
HatchBrush Class
com.mindfusion.drawing Namespace

HatchBrush.writeExternal Method

Implements Externalizable.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void writeExternal (
    ObjectOutput out
)
```

Parameters

out

See Also

HatchBrush Members
HatchBrush Class
com.mindfusion.drawing Namespace

HatchStyle Enumeration

Represents hatch patterns available to HatchBrush objects.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public enum HatchStyle
```

Members

	Member name	Description
	BackwardDiagonal	A pattern of lines on a diagonal from upper right to lower left.
	Cross	Specifies horizontal and vertical lines that cross.
	DarkDownwardDiagonal	Specifies diagonal lines that slant to the right from top points to bottom points, are spaced 50 percent closer

		together than, and are twice the width of ForwardDiagonal.
	DarkHorizontal	Specifies horizontal lines that are spaced 50 percent closer together than Horizontal and are twice the width of Horizontal.
	DarkUpwardDiagonal	Specifies diagonal lines that slant to the left from top points to bottom points, are spaced 50 percent closer together than BackwardDiagonal, and are twice its width.
	DarkVertical	Specifies vertical lines that are spaced 50 percent closer together than Vertical and are twice its width.
	DashedDownwardDiagonal	Specifies dashed diagonal lines, that slant to the right from top points to bottom points.
	DashedHorizontal	Specifies dashed horizontal lines.
	DashedUpwardDiagonal	Specifies dashed diagonal lines, that slant to the left from top points to bottom points.
	DashedVertical	Specifies dashed vertical lines.
	DiagonalBrick	Specifies a hatch that has the appearance of layered bricks that slant to the left from top points to bottom points.
	DiagonalCross	A pattern of crisscross diagonal lines.
	Divot	Specifies a hatch that has the appearance of divots.
	DottedDiamond	Specifies forward diagonal and backward diagonal lines, each of which is composed of dots, that cross.
	DottedGrid	Specifies horizontal and vertical lines, each of which is composed of dots, that cross.
	ForwardDiagonal	A pattern of lines on a diagonal from upper left to lower right.
	Horizontal	A pattern of horizontal lines.
	HorizontalBrick	Specifies a hatch that has the appearance of horizontally layered bricks.
	LargeCheckerBoard	Specifies a hatch that has the appearance of a checkerboard with squares that are twice the size of SmallCheckerBoard.
	LargeConfetti	Specifies a hatch that has the appearance of confetti, and is composed of larger pieces than SmallConfetti.
	LargeGrid	Specifies the hatch style Cross.
	LightDownwardDiagonal	Specifies diagonal lines that slant to the right from top points to bottom points and are spaced 50 percent closer together than ForwardDiagonal, but are not antialiased.
	LightHorizontal	Specifies horizontal lines that are spaced 50 percent closer together than Horizontal.
	LightUpwardDiagonal	Specifies diagonal lines that slant to the left from top points to bottom points and are spaced 50 percent closer together than BackwardDiagonal.
	LightVertical	Specifies vertical lines that are spaced 50 percent closer together than Vertical.

	Max	Specifies hatch style SolidDiamond.
	Min	Specifies hatch style Horizontal.
	NarrowHorizontal	Specifies horizontal lines that are spaced 75 percent closer together than hatch style Horizontal.
	NarrowVertical	Specifies vertical lines that are spaced 75 percent closer together than hatch style Vertical.
	OutlinedDiamond	Specifies forward diagonal and backward diagonal lines that cross.
	Percent05	Specifies a 5-percent hatch. The ratio of foreground color to background color is 5:100.
	Percent10	Specifies a 10-percent hatch. The ratio of foreground color to background color is 10:100.
	Percent20	Specifies a 20-percent hatch. The ratio of foreground color to background color is 20:100.
	Percent25	Specifies a 25-percent hatch. The ratio of foreground color to background color is 25:100.
	Percent30	Specifies a 30-percent hatch. The ratio of foreground color to background color is 30:100.
	Percent40	Specifies a 40-percent hatch. The ratio of foreground color to background color is 40:100.
	Percent50	Specifies a 50-percent hatch. The ratio of foreground color to background color is 50:100.
	Percent60	Specifies a 60-percent hatch. The ratio of foreground color to background color is 60:100.
	Percent70	Specifies a 70-percent hatch. The ratio of foreground color to background color is 70:100.
	Percent75	Specifies a 75-percent hatch. The ratio of foreground color to background color is 75:100.
	Percent80	Specifies a 80-percent hatch. The ratio of foreground color to background color is 80:100.
	Percent90	Specifies a 90-percent hatch. The ratio of foreground color to background color is 90:100.
	Plaid	Specifies a hatch that has the appearance of a plaid material.
	Shingle	Specifies a hatch that has the appearance of diagonally layered shingles that slant to the right from top points to bottom points.
	SmallCheckerBoard	Specifies a hatch that has the appearance of a checkerboard.
	SmallConfetti	Specifies a hatch that has the appearance of confetti.
	SmallGrid	Specifies horizontal and vertical lines that cross and are spaced 50 percent closer together than hatch style Cross.
	SolidDiamond	Specifies a hatch that has the appearance of a checkerboard placed diagonally.

	Sphere	Specifies a hatch that has the appearance of spheres laid adjacent to one another.
	Trellis	Specifies a hatch that has the appearance of a trellis.
	Vertical	A pattern of vertical lines.
	Wave	Specifies horizontal lines that are composed of tildes.
	Weave	Specifies a hatch that has the appearance of a woven material.
	WideDownwardDiagonal	Specifies diagonal lines that slant to the right from top points to bottom points, have the same spacing as hatch style ForwardDiagonal, and are triple its width.
	WideUpwardDiagonal	Specifies diagonal lines that slant to the left from top points to bottom points, have the same spacing as hatch style BackwardDiagonal, and are triple its width.
	ZigZag	Specifies horizontal lines that are composed of zigzags.

See Also

com.mindfusion.drawing Namespace

ImageAlignment Enumeration

Specifies the alignment of an image.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public enum ImageAlignment`

Members

	Member name	Description
	Bottom	The image is aligned to the bottom side of the layout rectangle.
	Center	The image is centered within the layout rectangle.
	Fit	The image is stretched to fit in the layout rectangle, but its original ratio is preserved.
	Left	The image is aligned to the left side of the layout rectangle.
	None	Same as Center.
	Right	The image is aligned to the right side of the layout rectangle.
	Stretch	The image is stretched. Equal to (Left | Top | Right | Bottom).

	Tile	The image is tiled across the layout rectangle.
	Top	The image is aligned to the top side of the layout rectangle.

See Also

com.mindfusion.drawing Namespace

ImageAttributes Class

Contains information about how image colors are manipulated during rendering.

Syntax

Java
`public class ImageAttributes`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.drawing.ImageAttributes

See Also

ImageAttributes Members
com.mindfusion.drawing Namespace

ImageAttributes Members

Contains information about how image colors are manipulated during rendering.

The following tables list the members exposed by the ImageAttributes type.

Public Constructors

	Name	Description
	ImageAttributes	Initializes a new instance of the **ImageAttributes** class.

Public Methods

	Name	Description
	getOpacity	Gets the opacity to apply to the image during rendering.
	setOpacity	Sets the opacity to apply to the image during rendering.

See Also

ImageAttributes Class
com.mindfusion.drawing Namespace

ImageAttributes Constructor

Initializes a new instance of the ImageAttributes class.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public ImageAttributes ()
```

See Also

ImageAttributes Class
com.mindfusion.drawing Namespace

ImageAttributes Methods

ImageAttributes.getOpacity Method

Gets the opacity to apply to the image during rendering.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public double getOpacity ()
```

Return Value

A float value in the range [0..1].

See Also

ImageAttributes Members
ImageAttributes Class
com.mindfusion.drawing Namespace

ImageAttributes.setOpacity Method

Sets the opacity to apply to the image during rendering.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void setOpacity (
    double value
)
```

Parameters

value
A float value in the range [0..1].

See Also

ImageAttributes Members
ImageAttributes Class
com.mindfusion.drawing Namespace

ImagePainter Class

Provides advanced methods for drawing images.

Syntax

Java
`public class ImagePainter`

Inheritance Hierarchy

java.lang.Object
com.mindfusion.drawing.ImagePainter

See Also

ImagePainter Members
com.mindfusion.drawing Namespace

ImagePainter Members

Provides advanced methods for drawing images.

The following tables list the members exposed by the ImagePainter type.

Public Fields

	Name	Description
	TransparencyOpaque	

Public Methods

	Name	Description
	draw	Overloaded.

See Also

ImagePainter Fields

ImagePainter.TransparencyOpaque Field

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static int TransparencyOpaque`

See Also

ImagePainter Members
ImagePainter Class
com.mindfusion.drawing Namespace

ImagePainter Methods

ImagePainter.draw Method

Overload List

Name	Description
ImagePainter.draw (Graphics2D, Image, Rectangle, EnumSet(ImageAlignment))	Draws the specified image in the target rectangle in the specified graphics using the specified image alignment.
ImagePainter.draw (Graphics2D, Image, Rectangle, EnumSet(ImageAlignment), Int32)	Draws the specified image in the target rectangle in the specified graphics using the specified image alignment and semi-transparency factor. The transparency ranges from 0 (invisible) to 255 (opaque).
ImagePainter.draw (Graphics2D, Image, Rectangle, ImageAlignment)	Draws the specified image in the target rectangle in the specified graphics using the specified image alignment.
ImagePainter.draw (Graphics2D, Image, Rectangle2D, EnumSet(ImageAlignment))	Draws the specified image in the target rectangle in the specified graphics using the specified image alignment.
ImagePainter.draw (Graphics2D, Image, Rectangle2D, EnumSet(ImageAlignment), Int32)	Draws the specified image in the target rectangle in the specified graphics using the specified image alignment and semi-transparency factor. The transparency ranges from 0 (invisible) to 255 (opaque).
ImagePainter.draw (Graphics2D, Image, Rectangle2D, ImageAlignment)	Draws the specified image in the target rectangle in the specified graphics using the specified image alignment.

See Also

ImagePainter.draw Method (Graphics2D, Image, Rectangle, EnumSet(ImageAlignment))

Draws the specified image in the target rectangle in the specified graphics using the specified image alignment.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static void draw (
    Graphics2D g,
    Image image,
    Rectangle rect,
    EnumSet<ImageAlignment> align
)
```

Parameters

g

image

rect

align

See Also

draw Method Overload List
ImagePainter Members
ImagePainter Class
com.mindfusion.drawing Namespace

ImagePainter.draw Method (Graphics2D, Image, Rectangle, EnumSet(ImageAlignment), Int32)

Draws the specified image in the target rectangle in the specified graphics using the specified image alignment and semi-transparency factor. The transparency ranges from 0 (invisible) to 255 (opaque).

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static void draw (
    Graphics2D g,
    Image image,
    Rectangle rect,
    EnumSet<ImageAlignment> align,
```

```
    int transparency
)
```

Parameters

g

image

rect

align

transparency

See Also

draw Method Overload List
ImagePainter Members
ImagePainter Class
com.mindfusion.drawing Namespace

ImagePainter.draw Method (Graphics2D, Image, Rectangle, ImageAlignment)

Draws the specified image in the target rectangle in the specified graphics using the specified image alignment.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static void draw (
    Graphics2D g,
    Image image,
    Rectangle rect,
    ImageAlignment align
)
```

Parameters

g

image

rect

align

See Also

draw Method Overload List
ImagePainter Members
ImagePainter Class
com.mindfusion.drawing Namespace

ImagePainter.draw Method (Graphics2D, Image, Rectangle2D, EnumSet(ImageAlignment))

Draws the specified image in the target rectangle in the specified graphics using the specified image alignment.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static void draw (
    Graphics2D g,
    Image image,
    Rectangle2D rect,
    EnumSet<ImageAlignment> align
)
```

Parameters

g

image

rect

align

See Also

draw Method Overload List
ImagePainter Members
ImagePainter Class
com.mindfusion.drawing Namespace

ImagePainter.draw Method (Graphics2D, Image, Rectangle2D, EnumSet(ImageAlignment), Int32)

Draws the specified image in the target rectangle in the specified graphics using the specified image alignment and semi-transparency factor. The transparency ranges from 0 (invisible) to 255 (opaque).

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static void draw (
    Graphics2D g,
    Image image,
    Rectangle2D rect,
    EnumSet<ImageAlignment> align,
    int transparency
)
```

Parameters

g

image

rect

align

transparency

See Also

draw Method Overload List
ImagePainter Members
ImagePainter Class
com.mindfusion.drawing Namespace

ImagePainter.draw Method (Graphics2D, Image, Rectangle2D, ImageAlignment)

Draws the specified image in the target rectangle in the specified graphics using the specified image alignment.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static void draw (
    Graphics2D g,
    Image image,
    Rectangle2D rect,
    ImageAlignment align
)
```

Parameters

g

image

rect

align

See Also

draw Method Overload List
ImagePainter Members
ImagePainter Class
com.mindfusion.drawing Namespace

Pen Class

A Pen specifies how the outline of an element should be stroked.

Syntax

Java

```
public class Pen implements Externalizable
```

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.drawing.Pen

See Also

Pen Members
com.mindfusion.drawing Namespace

Pen Members

A Pen specifies how the outline of an element should be stroked.

The following tables list the members exposed by the Pen type.

Public Constructors

	Name	Description
	Pen	Overloaded.

Public Methods

	Name	Description
	applyTo	Overloaded.
	clone	Creates a copy of this pen.
	getBrush	Gets the Brush of this pen.
	getCap	
	getColor	Gets the color of this pen.
	getDashStyle	Gets the dash style of this pen.
	getEffectiveWidth	Gets the effective width of the lines drawn with this pen once it has been applied to a Graphics2D object.
	getLineJoin	Gets the line join.
	getWidth	Gets the width of the lines drawn with this pen.
	readExternal	Implements Externalizable.
	setBrush	Gets a **Brush** of this pen.
	setCap	
	setColor	Sets the color of this pen.
	setDashStyle	Sets the dash style of this pen.
	setLineJoin	Sets the line join.

	setWidth	Sets what the width of the lines drawn with this pen should be.
	toColor	
	writeExternal	Implements Externalizable.

See Also

Pen Class
com.mindfusion.drawing Namespace

Pen Constructor

Overload List

Name	Description
Pen ()	Initializes a new instance of the Pen class.
Pen (Brush, Double)	Initializes a new instance of the **Pen** class. Instances of the Pen class created using this constructor are currently not serialised.
Pen (Brush, Double, DashStyle)	Initializes a new instance of the **Pen** class. Instances of the Pen class created using this constructor are currently not serialized.
Pen (Color)	Initializes a new instance of the **Pen** class.
Pen (Color, Double)	Initializes a new instance of the **Pen** class.
Pen (Color, Double, DashStyle)	Initializes a new instance of the **Pen** class.

See Also

Pen Class
com.mindfusion.drawing Namespace

Pen Constructor ()

Initializes a new instance of the Pen class.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public Pen ()
```

See Also

Pen Constructor Overload List
Pen Class
com.mindfusion.drawing Namespace

Pen Constructor (Brush, Double)

Initializes a new instance of the Pen class. Instances of the Pen class created using this constructor are currently not serialised.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public Pen (
    Brush brush,
    double width
)
```

Parameters

brush
A Brush object representing the pen color.

width
A double value representing the pen width.

See Also

Pen Constructor Overload List
Pen Class
com.mindfusion.drawing Namespace

Pen Constructor (Brush, Double, DashStyle)

Initializes a new instance of the Pen class. Instances of the Pen class created using this constructor are currently not serialized.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public Pen (
    Brush brush,
    double width,
    DashStyle dashStyle
)
```

Parameters

brush
A Brush object representing the pen color.

width

A double value representing the pen width.

dashStyle
A DashStyle object representing the pen's dash pattern.

See Also

Pen Constructor Overload List
Pen Class
com.mindfusion.drawing Namespace

Pen Constructor (Color)

Initializes a new instance of the Pen class.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public Pen (
    Color color
)
```

Parameters

color
A Color object representing the pen color.

See Also

Pen Constructor Overload List
Pen Class
com.mindfusion.drawing Namespace

Pen Constructor (Color, Double)

Initializes a new instance of the Pen class.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public Pen (
    Color color,
    double width
)
```

Parameters

color
A Color object representing the pen color.

width

A double value representing the pen width.

See Also

Pen Constructor Overload List
Pen Class
com.mindfusion.drawing Namespace

Pen Constructor (Color, Double, DashStyle)

Initializes a new instance of the Pen class.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public Pen (
    Color color,
    double width,
    DashStyle dashStyle
)
```

Parameters

color
A Color object representing the pen color.

width
A double value representing the pen width.

dashStyle
A DashStyle object representing the pen's dash pattern.

See Also

Pen Constructor Overload List
Pen Class
com.mindfusion.drawing Namespace

Pen Methods

Pen.applyTo Method

Overload List

Name	Description
Pen.applyTo (Graphics2D)	Sets the pen as the current pen for the specified Graphics2D object.
Pen.applyTo (Graphics2D, Rectangle2D)	Sets the pen as the current pen for the specified Graphics2D object.

See Also

Pen Members
Pen Class
com.mindfusion.drawing Namespace

Pen.applyTo Method (Graphics2D)

Sets the pen as the current pen for the specified Graphics2D object.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void applyTo (
    Graphics2D g
)
```

Parameters

g

See Also

applyTo Method Overload List
Pen Members
Pen Class
com.mindfusion.drawing Namespace

Pen.applyTo Method (Graphics2D, Rectangle2D)

Sets the pen as the current pen for the specified Graphics2D object.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void applyTo (
    Graphics2D g,
    Rectangle2D bounds
)
```

Parameters

g

bounds

See Also

applyTo Method Overload List
Pen Members

Pen.clone Method

Creates a copy of this pen.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public Pen clone ()
```

Return Value

The new Pen object.

See Also

Pen Members
Pen Class
com.mindfusion.drawing Namespace

Pen.getBrush Method

Gets the Brush of this pen.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public Brush getBrush ()
```

Return Value

A Brush object used to paint lines.

See Also

Pen Members
Pen Class
com.mindfusion.drawing Namespace

Pen.getCap Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public int getCap ()
```

Return Value

See Also

Pen Members
Pen Class
com.mindfusion.drawing Namespace

Pen.getColor Method

Gets the color of this pen.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public Color getColor ()
```

Return Value

A Color object representing the pen color.

See Also

Pen Members
Pen Class
com.mindfusion.drawing Namespace

Pen.getDashStyle Method

Gets the dash style of this pen.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public DashStyle getDashStyle ()
```

Return Value

A DashStyle object representing the pen's dash pattern.

See Also

Pen Members
Pen Class

Pen.getEffectiveWidth Method

Gets the effective width of the lines drawn with this pen once it has been applied to a Graphics2D object.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public double getEffectiveWidth (
    Graphics2D g2d
)
```

Parameters

g2d

Return Value

A double value representing the effective pen width.

See Also

Pen Members
Pen Class
com.mindfusion.drawing Namespace

Pen.getLineJoin Method

Gets the line join.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public int getLineJoin ()
```

Return Value

See Also

Pen Members
Pen Class
com.mindfusion.drawing Namespace

Pen.getWidth Method

Gets the width of the lines drawn with this pen.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public double getWidth ()
```

Return Value

A double value representing the pen width.

See Also

Pen Members
Pen Class
com.mindfusion.drawing Namespace

Pen.readExternal Method

Implements Externalizable.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public void readExternal (
    ObjectInput in
)
```

Parameters

in

See Also

Pen Members
Pen Class
com.mindfusion.drawing Namespace

Pen.setBrush Method

Gets a Brush of this pen.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public void setBrush (
    Brush value
```

```
)
```

Parameters

value
A Brush object used to paint lines.

See Also

Pen Members
Pen Class
com.mindfusion.drawing Namespace

Pen.setCap Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void setCap (
    int value
)
```

Parameters

value

See Also

Pen Members
Pen Class
com.mindfusion.drawing Namespace

Pen.setColor Method

Sets the color of this pen.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void setColor (
    Color value
)
```

Parameters

value
A Color object representing the pen color.

See Also

Pen Members
Pen Class
com.mindfusion.drawing Namespace

Pen.setDashStyle Method

Sets the dash style of this pen.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void setDashStyle (
    DashStyle value
)
```

Parameters

value
A DashStyle object representing the pen's dash pattern.

See Also

Pen Members
Pen Class
com.mindfusion.drawing Namespace

Pen.setLineJoin Method

Sets the line join.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void setLineJoin (
    int value
)
```

Parameters

value

See Also

Pen Members
Pen Class
com.mindfusion.drawing Namespace

Pen.setWidth Method

Sets what the width of the lines drawn with this pen should be.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void setWidth (
    double value
)
```

Parameters

value
A double value representing the pen width.

See Also

Pen Members
Pen Class
com.mindfusion.drawing Namespace

Pen.toColor Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public Color toColor ()
```

Return Value

See Also

Pen Members
Pen Class
com.mindfusion.drawing Namespace

Pen.writeExternal Method

Implements Externalizable.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void writeExternal (
    ObjectOutput out
)
```

Parameters

out

See Also

Pen Members
Pen Class
com.mindfusion.drawing Namespace

Pens Class

Contains pens for all standard colors.

Syntax

Java
`public class Pens`

Inheritance Hierarchy

java.lang.Object
com.mindfusion.drawing.Pens

See Also

Pens Members
com.mindfusion.drawing Namespace

Pens Members

Contains pens for all standard colors.

The following tables list the members exposed by the Pens type.

Public Fields

	Name	Description
	AliceBlue	Represents a pen with the Colors.AliceBlue color.
	AntiqueWhite	Represents a pen with the Colors.AntiqueWhite color.
	Aqua	Represents a pen with the Colors.Aqua color.
	Aquamarine	Represents a pen with the Colors.Aquamarine color.
	Azure	Represents a pen with the Colors.Azure color.
	Beige	Represents a pen with the Colors.Beige color.

	Bisque	Represents a pen with the Colors.Bisque color.
	Black	Represents a pen with the Colors.Black color.
	BlanchedAlmond	Represents a pen with the Colors.BlanchedAlmond color.
	Blue	Represents a pen with the Colors.Blue color.
	BlueViolet	Represents a pen with the Colors.BlueViolet color.
	Brown	Represents a pen with the Colors.Brown color.
	BurlyWood	Represents a pen with the Colors.BurlyWood color.
	CadetBlue	Represents a pen with the Colors.CadetBlue color.
	Chartreuse	Represents a pen with the Colors.Chartreuse color.
	Chocolate	Represents a pen with the Colors.Chocolate color.
	Coral	Represents a pen with the Colors.Coral color.
	CornflowerBlue	Represents a pen with the Colors.CornflowerBlue color.
	Cornsilk	Represents a pen with the Colors.Cornsilk color.
	Crimson	Represents a pen with the Colors.Crimson color.
	Cyan	Represents a pen with the Colors.Cyan color.
	DarkBlue	Represents a pen with the Colors.DarkBlue color.
	DarkCyan	Represents a pen with the Colors.DarkCyan color.
	DarkGoldenrod	Represents a pen with the Colors.DarkGoldenrod color.
	DarkGray	Represents a pen with the Colors.DarkGray color.
	DarkGreen	Represents a pen with the Colors.DarkGreen color.
	DarkKhaki	Represents a pen with the Colors.DarkKhaki color.
	DarkMagenta	Represents a pen with the Colors.DarkMagenta color.
	DarkOliveGreen	Represents a pen with the Colors.DarkOliveGreen color.
	DarkOrange	Represents a pen with the Colors.DarkOrange color.
	DarkOrchid	Represents a pen with the Colors.DarkOrchid color.
	DarkRed	Represents a pen with the Colors.DarkRed color.
	DarkSalmon	Represents a pen with the Colors.DarkSalmon color.
	DarkSeaGreen	Represents a pen with the Colors.DarkSeaGreen color.
	DarkSlateBlue	Represents a pen with the Colors.DarkSlateBlue color.
	DarkSlateGray	Represents a pen with the Colors.DarkSlateGray color.
	DarkTurquoise	Represents a pen with the Colors.DarkTurquoise color.
	DarkViolet	Represents a pen with the Colors.DarkViolet color.
	DeepPink	Represents a pen with the Colors.DeepPink color.

	DeepSkyBlue	Represents a pen with the Colors.DeepSkyBlue color.
	DimGray	Represents a pen with the Colors.DimGray color.
	DodgerBlue	Represents a pen with the Colors.DodgerBlue color.
	Firebrick	Represents a pen with the Colors.Firebrick color.
	FloralWhite	Represents a pen with the Colors.FloralWhite color.
	ForestGreen	Represents a pen with the Colors.ForestGreen color.
	Fuchsia	Represents a pen with the Colors.Fuchsia color.
	Gainsboro	Represents a pen with the Colors.Gainsboro color.
	GhostWhite	Represents a pen with the Colors.GhostWhite color.
	Gold	Represents a pen with the Colors.Gold color.
	Goldenrod	Represents a pen with the Colors.Goldenrod color.
	Gray	Represents a pen with the Colors.Gray color.
	Green	Represents a pen with the Colors.Green color.
	GreenYellow	Represents a pen with the Colors.GreenYellow color.
	Honeydew	Represents a pen with the Colors.Honeydew color.
	HotPink	Represents a pen with the Colors.HotPink color.
	IndianRed	Represents a pen with the Colors.IndianRed color.
	Indigo	Represents a pen with the Colors.Indigo color.
	Ivory	Represents a pen with the Colors.Ivory color.
	Khaki	Represents a pen with the Colors.Khaki color.
	Lavender	Represents a pen with the Colors.Lavender color.
	LavenderBlush	Represents a pen with the Colors.LavenderBlush color.
	LawnGreen	Represents a pen with the Colors.LawnGreen color.
	LemonChiffon	Represents a pen with the Colors.LemonChiffon color.
	LightBlue	Represents a pen with the Colors.LightBlue color.
	LightCoral	Represents a pen with the Colors.LightCoral color.
	LightCyan	Represents a pen with the Colors.LightCyan color.
	LightGoldenrodYellow	Represents a pen with the Colors.LightGoldenrodYellow color.
	LightGray	Represents a pen with the Colors.LightGray color.
	LightGreen	Represents a pen with the Colors.LightGreen color.
	LightPink	Represents a pen with the Colors.LightPink color.
	LightSalmon	Represents a pen with the Colors.LightSalmon color.
	LightSeaGreen	Represents a pen with the Colors.LightSeaGreen color.

	LightSkyBlue	Represents a pen with the Colors.LightSkyBlue color.
	LightSlateGray	Represents a pen with the Colors.LightSlateGray color.
	LightSteelBlue	Represents a pen with the Colors.LightSteelBlue color.
	LightYellow	Represents a pen with the Colors.LightYellow color.
	Lime	Represents a pen with the Colors.Lime color.
	LimeGreen	Represents a pen with the Colors.LimeGreen color.
	Linen	Represents a pen with the Colors.Linen color.
	Magenta	Represents a pen with the Colors.Magenta color.
	Maroon	Represents a pen with the Colors.Maroon color.
	MediumAquamarine	Represents a pen with the Colors.MediumAquamarine color.
	MediumBlue	Represents a pen with the Colors.MediumBlue color.
	MediumOrchid	Represents a pen with the Colors.MediumOrchid color.
	MediumPurple	Represents a pen with the Colors.MediumPurple color.
	MediumSeaGreen	Represents a pen with the Colors.MediumSeaGreen color.
	MediumSlateBlue	Represents a pen with the Colors.MediumSlateBlue color.
	MediumSpringGreen	Represents a pen with the Colors.MediumSpringGreen color.
	MediumTurquoise	Represents a pen with the Colors.MediumTurquoise color.
	MediumVioletRed	Represents a pen with the Colors.MediumVioletRed color.
	MidnightBlue	Represents a pen with the Colors.MidnightBlue color.
	MintCream	Represents a pen with the Colors.MintCream color.
	MistyRose	Represents a pen with the Colors.MistyRose color.
	Moccasin	Represents a pen with the Colors.Moccasin color.
	NavajoWhite	Represents a pen with the Colors.NavajoWhite color.
	Navy	Represents a pen with the Colors.Navy color.
	OldLace	Represents a pen with the Colors.OldLace color.
	Olive	Represents a pen with the Colors.Olive color.
	OliveDrab	Represents a pen with the Colors.OliveDrab color.
	Orange	Represents a pen with the Colors.Orange color.
	OrangeRed	Represents a pen with the Colors.OrangeRed color.
	Orchid	Represents a pen with the Colors.Orchid color.
	PaleGoldenrod	Represents a pen with the Colors.PaleGoldenrod color.
	PaleGreen	Represents a pen with the Colors.PaleGreen color.

	PaleTurquoise	Represents a pen with the Colors.PaleTurquoise color.
	PaleVioletRed	Represents a pen with the Colors.PaleVioletRed color.
	PapayaWhip	Represents a pen with the Colors.PapayaWhip color.
	PeachPuff	Represents a pen with the Colors.PeachPuff color.
	Peru	Represents a pen with the Colors.Peru color.
	Pink	Represents a pen with the Colors.Pink color.
	Plum	Represents a pen with the Colors.Plum color.
	PowderBlue	Represents a pen with the Colors.PowderBlue color.
	Purple	Represents a pen with the Colors.Purple color.
	Red	Represents a pen with the Colors.Red color.
	RosyBrown	Represents a pen with the Colors.RosyBrown color.
	RoyalBlue	Represents a pen with the Colors.RoyalBlue color.
	SaddleBrown	Represents a pen with the Colors.SaddleBrown color.
	Salmon	Represents a pen with the Colors.Salmon color.
	SandyBrown	Represents a pen with the Colors.SandyBrown color.
	SeaGreen	Represents a pen with the Colors.SeaGreen color.
	SeaShell	Represents a pen with the Colors.SeaShell color.
	Sienna	Represents a pen with the Colors.Sienna color.
	Silver	Represents a pen with the Colors.Silver color.
	SkyBlue	Represents a pen with the Colors.SkyBlue color.
	SlateBlue	Represents a pen with the Colors.SlateBlue color.
	SlateGray	Represents a pen with the Colors.SlateGray color.
	Snow	Represents a pen with the Colors.Snow color.
	SpringGreen	Represents a pen with the Colors.SpringGreen color.
	SteelBlue	Represents a pen with the Colors.SteelBlue color.
	Tan	Represents a pen with the Colors.Tan color.
	Teal	Represents a pen with the Colors.Teal color.
	Thistle	Represents a pen with the Colors.Thistle color.
	Tomato	Represents a pen with the Colors.Tomato color.
	Transparent	Represents a pen with the Colors.Transparent color.
	Turquoise	Represents a pen with the Colors.Turquoise color.
	Violet	Represents a pen with the Colors.Violet color.
	Wheat	Represents a pen with the Colors.Wheat color.

	White	Represents a pen with the Colors.White color.
	WhiteSmoke	Represents a pen with the Colors.WhiteSmoke color.
	Yellow	Represents a pen with the Colors.Yellow color.
	YellowGreen	Represents a pen with the Colors.YellowGreen color.

See Also

Pens Class
com.mindfusion.drawing Namespace

Pens Fields

Pens.AliceBlue Field

Represents a pen with the Colors.AliceBlue color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen AliceBlue
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.AntiqueWhite Field

Represents a pen with the Colors.AntiqueWhite color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen AntiqueWhite
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Aqua Field

Represents a pen with the Colors.Aqua color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Pen Aqua`

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Aquamarine Field

Represents a pen with the Colors.Aquamarine color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Pen Aquamarine`

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Azure Field

Represents a pen with the Colors.Azure color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Pen Azure`

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Beige Field

Represents a pen with the Colors.Beige color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen Beige
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Bisque Field

Represents a pen with the Colors.Bisque color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen Bisque
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Black Field

Represents a pen with the Colors.Black color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen Black
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.BlanchedAlmond Field

Represents a pen with the Colors.BlanchedAlmond color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen BlanchedAlmond
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Blue Field

Represents a pen with the Colors.Blue color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen Blue
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.BlueViolet Field

Represents a pen with the Colors.BlueViolet color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen BlueViolet
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Brown Field

Represents a pen with the Colors.Brown color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen Brown
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.BurlyWood Field

Represents a pen with the Colors.BurlyWood color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen BurlyWood
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.CadetBlue Field

Represents a pen with the Colors.CadetBlue color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen CadetBlue
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Chartreuse Field

Represents a pen with the Colors.Chartreuse color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen Chartreuse
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Chocolate Field

Represents a pen with the Colors.Chocolate color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen Chocolate
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Coral Field

Represents a pen with the Colors.Coral color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Pen Coral`

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.CornflowerBlue Field

Represents a pen with the Colors.CornflowerBlue color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Pen CornflowerBlue`

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Cornsilk Field

Represents a pen with the Colors.Cornsilk color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Pen Cornsilk`

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Crimson Field

Represents a pen with the Colors.Crimson color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Pen Crimson`

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Cyan Field

Represents a pen with the Colors.Cyan color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Pen Cyan`

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.DarkBlue Field

Represents a pen with the Colors.DarkBlue color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Pen DarkBlue`

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.DarkCyan Field

Represents a pen with the Colors.DarkCyan color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen DarkCyan
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.DarkGoldenrod Field

Represents a pen with the Colors.DarkGoldenrod color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen DarkGoldenrod
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.DarkGray Field

Represents a pen with the Colors.DarkGray color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen DarkGray
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.DarkGreen Field

Represents a pen with the Colors.DarkGreen color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen DarkGreen
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.DarkKhaki Field

Represents a pen with the Colors.DarkKhaki color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen DarkKhaki
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.DarkMagenta Field

Represents a pen with the Colors.DarkMagenta color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen DarkMagenta
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.DarkOliveGreen Field

Represents a pen with the Colors.DarkOliveGreen color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen DarkOliveGreen
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.DarkOrange Field

Represents a pen with the Colors.DarkOrange color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen DarkOrange
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.DarkOrchid Field

Represents a pen with the Colors.DarkOrchid color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen DarkOrchid
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.DarkRed Field

Represents a pen with the Colors.DarkRed color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen DarkRed
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.DarkSalmon Field

Represents a pen with the Colors.DarkSalmon color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen DarkSalmon
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.DarkSeaGreen Field

Represents a pen with the Colors.DarkSeaGreen color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen DarkSeaGreen
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.DarkSlateBlue Field

Represents a pen with the Colors.DarkSlateBlue color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen DarkSlateBlue
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.DarkSlateGray Field

Represents a pen with the Colors.DarkSlateGray color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen DarkSlateGray
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.DarkTurquoise Field

Represents a pen with the Colors.DarkTurquoise color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen DarkTurquoise
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.DarkViolet Field

Represents a pen with the Colors.DarkViolet color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen DarkViolet
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.DeepPink Field

Represents a pen with the Colors.DeepPink color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen DeepPink
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.DeepSkyBlue Field

Represents a pen with the Colors.DeepSkyBlue color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen DeepSkyBlue
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.DimGray Field

Represents a pen with the Colors.DimGray color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen DimGray
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.DodgerBlue Field

Represents a pen with the Colors.DodgerBlue color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen DodgerBlue
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Firebrick Field

Represents a pen with the Colors.Firebrick color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen Firebrick
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.FloralWhite Field

Represents a pen with the Colors.FloralWhite color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen FloralWhite
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.ForestGreen Field

Represents a pen with the Colors.ForestGreen color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen ForestGreen
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Fuchsia Field

Represents a pen with the Colors.Fuchsia color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen Fuchsia
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Gainsboro Field

Represents a pen with the Colors.Gainsboro color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen Gainsboro
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.GhostWhite Field

Represents a pen with the Colors.GhostWhite color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen GhostWhite
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Gold Field

Represents a pen with the Colors.Gold color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen Gold
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Goldenrod Field

Represents a pen with the Colors.Goldenrod color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen Goldenrod
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Gray Field

Represents a pen with the Colors.Gray color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen Gray
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Green Field

Represents a pen with the Colors.Green color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen Green
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.GreenYellow Field

Represents a pen with the Colors.GreenYellow color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen GreenYellow
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Honeydew Field

Represents a pen with the Colors.Honeydew color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen Honeydew
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.HotPink Field

Represents a pen with the Colors.HotPink color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen HotPink
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.IndianRed Field

Represents a pen with the Colors.IndianRed color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen IndianRed
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Indigo Field

Represents a pen with the Colors.Indigo color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Pen Indigo`

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Ivory Field

Represents a pen with the Colors.Ivory color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Pen Ivory`

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Khaki Field

Represents a pen with the Colors.Khaki color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Pen Khaki`

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Lavender Field

Represents a pen with the Colors.Lavender color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen Lavender
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.LavenderBlush Field

Represents a pen with the Colors.LavenderBlush color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen LavenderBlush
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.LawnGreen Field

Represents a pen with the Colors.LawnGreen color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen LawnGreen
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.LemonChiffon Field

Represents a pen with the Colors.LemonChiffon color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen LemonChiffon
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.LightBlue Field

Represents a pen with the Colors.LightBlue color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen LightBlue
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.LightCoral Field

Represents a pen with the Colors.LightCoral color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen LightCoral
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.LightCyan Field

Represents a pen with the Colors.LightCyan color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen LightCyan
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.LightGoldenrodYellow Field

Represents a pen with the Colors.LightGoldenrodYellow color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen LightGoldenrodYellow
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.LightGray Field

Represents a pen with the Colors.LightGray color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen LightGray
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.LightGreen Field

Represents a pen with the Colors.LightGreen color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen LightGreen
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.LightPink Field

Represents a pen with the Colors.LightPink color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen LightPink
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.LightSalmon Field

Represents a pen with the Colors.LightSalmon color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen LightSalmon
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.LightSeaGreen Field

Represents a pen with the Colors.LightSeaGreen color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen LightSeaGreen
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.LightSkyBlue Field

Represents a pen with the Colors.LightSkyBlue color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen LightSkyBlue
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.LightSlateGray Field

Represents a pen with the Colors.LightSlateGray color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen LightSlateGray
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.LightSteelBlue Field

Represents a pen with the Colors.LightSteelBlue color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen LightSteelBlue
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.LightYellow Field

Represents a pen with the Colors.LightYellow color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen LightYellow
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Lime Field

Represents a pen with the Colors.Lime color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Pen Lime`

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.LimeGreen Field

Represents a pen with the Colors.LimeGreen color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Pen LimeGreen`

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Linen Field

Represents a pen with the Colors.Linen color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Pen Linen`

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Magenta Field

Represents a pen with the Colors.Magenta color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen Magenta
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Maroon Field

Represents a pen with the Colors.Maroon color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen Maroon
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.MediumAquamarine Field

Represents a pen with the Colors.MediumAquamarine color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen MediumAquamarine
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.MediumBlue Field

Represents a pen with the Colors.MediumBlue color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Pen MediumBlue`

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.MediumOrchid Field

Represents a pen with the Colors.MediumOrchid color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Pen MediumOrchid`

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.MediumPurple Field

Represents a pen with the Colors.MediumPurple color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Pen MediumPurple`

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.MediumSeaGreen Field

Represents a pen with the Colors.MediumSeaGreen color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen MediumSeaGreen
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.MediumSlateBlue Field

Represents a pen with the Colors.MediumSlateBlue color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen MediumSlateBlue
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.MediumSpringGreen Field

Represents a pen with the Colors.MediumSpringGreen color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen MediumSpringGreen
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.MediumTurquoise Field

Represents a pen with the Colors.MediumTurquoise color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen MediumTurquoise
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.MediumVioletRed Field

Represents a pen with the Colors.MediumVioletRed color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen MediumVioletRed
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.MidnightBlue Field

Represents a pen with the Colors.MidnightBlue color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen MidnightBlue
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.MintCream Field

Represents a pen with the Colors.MintCream color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen MintCream
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.MistyRose Field

Represents a pen with the Colors.MistyRose color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen MistyRose
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Moccasin Field

Represents a pen with the Colors.Moccasin color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen Moccasin
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.NavajoWhite Field

Represents a pen with the Colors.NavajoWhite color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen NavajoWhite
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Navy Field

Represents a pen with the Colors.Navy color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen Navy
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.OldLace Field

Represents a pen with the Colors.OldLace color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Pen OldLace`

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Olive Field

Represents a pen with the Colors.Olive color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Pen Olive`

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.OliveDrab Field

Represents a pen with the Colors.OliveDrab color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Pen OliveDrab`

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Orange Field

Represents a pen with the Colors.Orange color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen Orange
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.OrangeRed Field

Represents a pen with the Colors.OrangeRed color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen OrangeRed
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Orchid Field

Represents a pen with the Colors.Orchid color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen Orchid
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.PaleGoldenrod Field

Represents a pen with the Colors.PaleGoldenrod color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Pen PaleGoldenrod`

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.PaleGreen Field

Represents a pen with the Colors.PaleGreen color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Pen PaleGreen`

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.PaleTurquoise Field

Represents a pen with the Colors.PaleTurquoise color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Pen PaleTurquoise`

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.PaleVioletRed Field

Represents a pen with the Colors.PaleVioletRed color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen PaleVioletRed
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.PapayaWhip Field

Represents a pen with the Colors.PapayaWhip color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen PapayaWhip
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.PeachPuff Field

Represents a pen with the Colors.PeachPuff color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen PeachPuff
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Peru Field

Represents a pen with the Colors.Peru color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen Peru
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Pink Field

Represents a pen with the Colors.Pink color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen Pink
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Plum Field

Represents a pen with the Colors.Plum color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
```

```
public static final Pen Plum
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.PowderBlue Field

Represents a pen with the Colors.PowderBlue color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen PowderBlue
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Purple Field

Represents a pen with the Colors.Purple color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen Purple
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Red Field

Represents a pen with the Colors.Red color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen Red
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.RosyBrown Field

Represents a pen with the Colors.RosyBrown color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen RosyBrown
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.RoyalBlue Field

Represents a pen with the Colors.RoyalBlue color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen RoyalBlue
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.SaddleBrown Field

Represents a pen with the Colors.SaddleBrown color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Pen SaddleBrown`

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Salmon Field

Represents a pen with the Colors.Salmon color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Pen Salmon`

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.SandyBrown Field

Represents a pen with the Colors.SandyBrown color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Pen SandyBrown`

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.SeaGreen Field

Represents a pen with the Colors.SeaGreen color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen SeaGreen
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.SeaShell Field

Represents a pen with the Colors.SeaShell color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen SeaShell
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Sienna Field

Represents a pen with the Colors.Sienna color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen Sienna
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Silver Field

Represents a pen with the Colors.Silver color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Pen Silver`

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.SkyBlue Field

Represents a pen with the Colors.SkyBlue color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Pen SkyBlue`

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.SlateBlue Field

Represents a pen with the Colors.SlateBlue color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public static final Pen SlateBlue`

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.SlateGray Field

Represents a pen with the Colors.SlateGray color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen SlateGray
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Snow Field

Represents a pen with the Colors.Snow color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen Snow
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.SpringGreen Field

Represents a pen with the Colors.SpringGreen color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen SpringGreen
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.SteelBlue Field

Represents a pen with the Colors.SteelBlue color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen SteelBlue
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Tan Field

Represents a pen with the Colors.Tan color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen Tan
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Teal Field

Represents a pen with the Colors.Teal color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen Teal
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Thistle Field

Represents a pen with the Colors.Thistle color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen Thistle
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Tomato Field

Represents a pen with the Colors.Tomato color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen Tomato
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Transparent Field

Represents a pen with the Colors.Transparent color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen Transparent
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Turquoise Field

Represents a pen with the Colors.Turquoise color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen Turquoise
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Violet Field

Represents a pen with the Colors.Violet color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public static final Pen Violet
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Wheat Field

Represents a pen with the Colors.Wheat color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen Wheat
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.White Field

Represents a pen with the Colors.White color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen White
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.WhiteSmoke Field

Represents a pen with the Colors.WhiteSmoke color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen WhiteSmoke
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.Yellow Field

Represents a pen with the Colors.Yellow color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen Yellow
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

Pens.YellowGreen Field

Represents a pen with the Colors.YellowGreen color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public static final Pen YellowGreen
```

See Also

Pens Members
Pens Class
com.mindfusion.drawing Namespace

PointList Class

A strongly-typed list of Point2D.Float objects.

Syntax

```
Java
public class PointList extends BaseList<E> implements Cloneable
```

Inheritance Hierarchy

java.lang.Object
  java.util.AbstractCollection(E)
    java.util.AbstractList(E)
      com.mindfusion.common.BaseList(E)
        com.mindfusion.drawing.PointList

See Also

PointList Members

A strongly-typed list of Point2D.Float objects.

The following tables list the members exposed by the PointList type.

Public Constructors

	Name	Description
	PointList	Overloaded.

Public Methods

	Name	Description
	add	Overloaded. (Inherited from BaseList.)
	addBaseListListener	Adds a BaseListListener to the list. (Inherited from BaseList.)
	clear	Removes all elements from the list. (Inherited from BaseList.)
	clone	
	first	Gets the first element of this list. (Inherited from BaseList.)
	get	Returns the element at the specified position in the list. (Inherited from BaseList.)
	getArray	
	getCopy	
	last	Gets the last element of this list. (Inherited from BaseList.)
	readExternal	
	remove	Overloaded. (Inherited from BaseList.)
	removeBaseListListener	Removes the specified **BaseListListener** from the list. (Inherited from BaseList.)
	set	Replaces the element at the specified position in this list with the specified element. (Inherited from BaseList.)
	set	
	size	Returns the number of elements in the list. (Inherited from BaseList.)
	writeExternal	

See Also

PointList Class
com.mindfusion.drawing Namespace

PointList Constructor

Overload List

Name	Description
PointList ()	
PointList (Int32)	
PointList (List(Point2D.Float))	
PointList (Point2D.Float[])	
PointList (PointList)	

See Also

PointList Class
com.mindfusion.drawing Namespace

PointList Constructor ()

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public PointList ()`

See Also

PointList Constructor Overload List
PointList Class
com.mindfusion.drawing Namespace

PointList Constructor (Int32)

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

`public PointList (`
`  int size`
`)`

Parameters

size

See Also

PointList Constructor Overload List
PointList Class
com.mindfusion.drawing Namespace

PointList Constructor (List(Point2D.Float))

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public PointList (
    List<Point2D.Float> points
)
```

Parameters

points

See Also

PointList Constructor Overload List
PointList Class
com.mindfusion.drawing Namespace

PointList Constructor (Point2D.Float[])

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public PointList (
    Point2D.Float[] points
)
```

Parameters

points

See Also

PointList Constructor Overload List
PointList Class
com.mindfusion.drawing Namespace

PointList Constructor (PointList)

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public PointList (
    PointList points
)
```

Parameters

points

See Also

PointList Constructor Overload List
PointList Class
com.mindfusion.drawing Namespace

PointList Methods

PointList.clone Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public Object clone ()
```

Return Value

See Also

PointList Members
PointList Class
com.mindfusion.drawing Namespace

PointList.getArray Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public Point2D.Float[] getArray ()
```

Return Value

See Also

PointList Members
PointList Class
com.mindfusion.drawing Namespace

PointList.getCopy Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public Point2D.Float getCopy (
    int i
)
```

Parameters

i

Return Value

See Also

PointList Members
PointList Class
com.mindfusion.drawing Namespace

PointList.readExternal Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void readExternal (
    ObjectInput in
)
```

Parameters

in

See Also

PointList Members
PointList Class
com.mindfusion.drawing Namespace

PointList.set Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void set (
    int i,
    Point2D pt
)
```

Parameters

i

pt

See Also

PointList Members
PointList Class
com.mindfusion.drawing Namespace

PointList.writeExternal Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void writeExternal (
    ObjectOutput out
)
```

Parameters

out

See Also

PointList Members
PointList Class
com.mindfusion.drawing Namespace

Polygon Class

Syntax

Java

```
public class Polygon
```

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.drawing.Polygon

See Also

Polygon Members
com.mindfusion.drawing Namespace

Polygon Members

The following tables list the members exposed by the Polygon type.

Public Constructors

	Name	Description
	Polygon	Overloaded.

Public Methods

	Name	Description
	contains	Checks whether the specified point lies whithin the polygon.
	getBounds	Gets the smallest rectangle bounding the polygon.
	getPoints	Gets a collection of the polygon points.
	intersectLine	Calculates the intersections between the polygon and the line defined by the given points. The result is a list containing all points of intersection.
	intersectSegment	Overloaded.

See Also

Polygon Class
com.mindfusion.drawing Namespace

Polygon Constructor

Overload List

Name	Description
Polygon (List(Point2D.Float))	Builds new polygon object from a given points list.
Polygon (Rectangle2D)	Builds new polygon object from the specified rectangle.

Polygon (Rectangle2D.Float, Int32)	Build new polygon from ellipse. The ellipse is defined by the specified bounding rectangle. The second parameter specifies how close the polygon approximates the ellipse. Factor of 0 specifies simplest polygon, while factor 100 specifies the most complex polygon.

See Also

Polygon Class
com.mindfusion.drawing Namespace

Polygon Constructor (List(Point2D.Float))

Builds new polygon object from a given points list.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public Polygon (
    List<Point2D.Float> points
)
```

Parameters

points

See Also

Polygon Constructor Overload List
Polygon Class
com.mindfusion.drawing Namespace

Polygon Constructor (Rectangle2D)

Builds new polygon object from the specified rectangle.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public Polygon (
    Rectangle2D rect
)
```

Parameters

rect

See Also

Polygon Constructor Overload List
Polygon Class
com.mindfusion.drawing Namespace

Polygon Constructor (Rectangle2D.Float, Int32)

Build new polygon from ellipse. The ellipse is defined by the specified bounding rectangle. The second parameter specifies how close the polygon approximates the ellipse. Factor of 0 specifies simplest polygon, while factor 100 specifies the most complex polygon.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public Polygon (
    Rectangle2D.Float bounds,
    int factor
)
```

Parameters

bounds

factor

See Also

Polygon Constructor Overload List
Polygon Class
com.mindfusion.drawing Namespace

Polygon Methods

Polygon.contains Method

Checks whether the specified point lies whithin the polygon.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public boolean contains (
    Point2D.Float point
)
```

Parameters

point

Return Value

See Also

Polygon Members
Polygon Class
com.mindfusion.drawing Namespace

Polygon.getBounds Method

Gets the smallest rectangle bounding the polygon.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public Rectangle2D.Float getBounds ()
```

Return Value

See Also

Polygon Members
Polygon Class
com.mindfusion.drawing Namespace

Polygon.getPoints Method

Gets a collection of the polygon points.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public PointList getPoints ()
```

Return Value

See Also

Polygon Members
Polygon Class
com.mindfusion.drawing Namespace

Polygon.intersectLine Method

Calculates the intersections between the polygon and the line defined by the given points. The result is a list containing all points of intersection.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

`public PointList intersectLine (`
`  Point2D.Float a,`
`  Point2D.Float b`
`)`

Parameters

a

b

Return Value

See Also

Polygon Members
Polygon Class
com.mindfusion.drawing Namespace

Polygon.intersectSegment Method

Overload List

Name	Description
Polygon.intersectSegment (Line)	Calculates the intersections between the polygon and the given line segment. The result is a list containing all points of intersection.
Polygon.intersectSegment (Point2D.Float, Point2D.Float)	Calculates the intersections between the polygon and the line segment defined by the given points. The result is a list containing all points of intersection.

See Also

Polygon Members
Polygon Class
com.mindfusion.drawing Namespace

Polygon.intersectSegment Method (Line)

Calculates the intersections between the polygon and the given line segment. The result is a list containing all points of intersection.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public PointList intersectSegment (
    Line line
)
```

Parameters

line

Return Value

See Also

intersectSegment Method Overload List
Polygon Members
Polygon Class
com.mindfusion.drawing Namespace

Polygon.intersectSegment Method (Point2D.Float, Point2D.Float)

Calculates the intersections between the polygon and the line segment defined by the given points. The result is a list containing all points of intersection.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public PointList intersectSegment (
    Point2D.Float a,
    Point2D.Float b
)
```

Parameters

a

b

Return Value

See Also

intersectSegment Method Overload List
Polygon Members
Polygon Class
com.mindfusion.drawing Namespace

RadialGradientBrush Class

Syntax

Java

```
public class RadialGradientBrush extends Brush
```

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.drawing.Brush
    com.mindfusion.drawing.RadialGradientBrush

See Also

RadialGradientBrush Members
com.mindfusion.drawing Namespace

RadialGradientBrush Members

The following tables list the members exposed by the RadialGradientBrush type.

Public Constructors

	Name	Description
	RadialGradientBrush	Overloaded.

Public Methods

	Name	Description
	applyTo	
	clone	Creates a clone of the brush.
	getCenterColor	Gets the center color.
	getColors	
	getFractions	
	getSurroundingColor	Gets the surrounding color.
	getX	Gets the relative x-coordinate of the center point.
	getY	Gets the relative y-coordinate of the center point.
	readExternal	Implements Externalizable.
	setCenterColor	Sets the center color.
	setColors	
	setFractions	
	setSurroundingColor	Sets the surrounding color.
	setX	Sets the relative x-coordinate of the center point.
	setY	Sets the relative y-coordinate of the center point.
	toColor	Returns a single color approximation of the brush.
	writeExternal	Implements Externalizable.

See Also

RadialGradientBrush Class
com.mindfusion.drawing Namespace

RadialGradientBrush Constructor

Overload List

Name	Description
RadialGradientBrush ()	Initializes a new instance of the RadialGradientBrush class.
RadialGradientBrush (Color, Color)	Initializes a new instance of the **RadialGradientBrush** class.
RadialGradientBrush (Color, Color, Double, Double)	Initializes a new instance of the **RadialGradientBrush** class.
RadialGradientBrush (Single[], Color[], Double, Double)	Initializes a new instance of the **RadialGradientBrush** class.

See Also

RadialGradientBrush Class
com.mindfusion.drawing Namespace

RadialGradientBrush Constructor ()

Initializes a new instance of the RadialGradientBrush class.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public RadialGradientBrush ()
```

See Also

RadialGradientBrush Constructor Overload List
RadialGradientBrush Class
com.mindfusion.drawing Namespace

RadialGradientBrush Constructor (Color, Color)

Initializes a new instance of the RadialGradientBrush class.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public RadialGradientBrush (
    Color centerColor,
    Color surroundingColor
)
```

Parameters

centerColor
A Color object representing the color at the center point.

surroundingColor
A Color object representing the surrounding color.

See Also

RadialGradientBrush Constructor Overload List
RadialGradientBrush Class
com.mindfusion.drawing Namespace

RadialGradientBrush Constructor (Color, Color, Double, Double)

Initializes a new instance of the RadialGradientBrush class.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public RadialGradientBrush (
    Color centerColor,
    Color surroundingColor,
    double x,
    double y
)
```

Parameters

centerColor
A Color object representing the color at the center point.

surroundingColor
A Color object representing the surrounding color.

x
The relative x-coordinate of the center point. Value 0.5 indicates the middle of the destination rectangle.

y
The relative y-coordinate of the center point. Value 0.5 indicates the middle of the destination rectangle.

See Also

RadialGradientBrush Constructor Overload List
RadialGradientBrush Class
com.mindfusion.drawing Namespace

RadialGradientBrush Constructor (Single[], Color[], Double, Double)

Initializes a new instance of the RadialGradientBrush class.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public RadialGradientBrush (
    float[] fractions,
    Color[] colors,
    double x,
    double y
)
```

Parameters

fractions
An array of float numbers specifying the positions of the colors along the gradient.

colors
An array of Color objects representing the colors of the gradient.

x
The relative x-coordinate of the center point. Value 0.5 indicates the middle of the destination rectangle.

y
The relative y-coordinate of the center point. Value 0.5 indicates the middle of the destination rectangle.

Remarks

Instances of the RadialGradientBrush class created using this constructor are currently not serialized.

See Also

RadialGradientBrush Constructor Overload List
RadialGradientBrush Class
com.mindfusion.drawing Namespace

RadialGradientBrush Methods

RadialGradientBrush.applyTo Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void applyTo (
    Graphics2D g,
    Rectangle2D bounds
)
```

Parameters

g

bounds

See Also

RadialGradientBrush Members
RadialGradientBrush Class
com.mindfusion.drawing Namespace

RadialGradientBrush.clone Method

Creates a clone of the brush.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public RadialGradientBrush clone ()`

Return Value

A RadialGradientBrush instance.

See Also

RadialGradientBrush Members
RadialGradientBrush Class
com.mindfusion.drawing Namespace

RadialGradientBrush.getCenterColor Method

Gets the center color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public Color getCenterColor ()`

Return Value

A Color object representing the center color.

See Also

RadialGradientBrush Members
RadialGradientBrush Class
com.mindfusion.drawing Namespace

RadialGradientBrush.getColors Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public Color[] getColors ()
```

Return Value

See Also

RadialGradientBrush Members
RadialGradientBrush Class
com.mindfusion.drawing Namespace

RadialGradientBrush.getFractions Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public float[] getFractions ()
```

Return Value

See Also

RadialGradientBrush Members
RadialGradientBrush Class
com.mindfusion.drawing Namespace

RadialGradientBrush.getSurroundingColor Method

Gets the surrounding color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public Color getSurroundingColor ()
```

Return Value

A Color object representing the surrounding color.

See Also

RadialGradientBrush Members
RadialGradientBrush Class
com.mindfusion.drawing Namespace

RadialGradientBrush.getX Method

Gets the relative x-coordinate of the center point.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public double getX ()
```

Return Value

A double value specifying the relative x-coordinate.

See Also

RadialGradientBrush Members
RadialGradientBrush Class
com.mindfusion.drawing Namespace

RadialGradientBrush.getY Method

Gets the relative y-coordinate of the center point.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public double getY ()
```

Return Value

A double value specifying the relative x-coordinate.

See Also

RadialGradientBrush Members
RadialGradientBrush Class

RadialGradientBrush.readExternal Method

Implements Externalizable.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void readExternal (
    ObjectInput in
)
```

Parameters

in

See Also

RadialGradientBrush Members
RadialGradientBrush Class
com.mindfusion.drawing Namespace

RadialGradientBrush.setCenterColor Method

Sets the center color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void setCenterColor (
    Color value
)
```

Parameters

value
A Color object representing the center color.

See Also

RadialGradientBrush Members
RadialGradientBrush Class
com.mindfusion.drawing Namespace

RadialGradientBrush.setColors Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void setColors (
    Color[] value
)
```

Parameters

value

See Also

RadialGradientBrush Members
RadialGradientBrush Class
com.mindfusion.drawing Namespace

RadialGradientBrush.setFractions Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void setFractions (
    float[] value
)
```

Parameters

value

See Also

RadialGradientBrush Members
RadialGradientBrush Class
com.mindfusion.drawing Namespace

RadialGradientBrush.setSurroundingColor Method

Sets the surrounding color.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void setSurroundingColor (
    Color value
```

```
)
```

Parameters

value
A Color object representing the surrounding color.

See Also

RadialGradientBrush Members
RadialGradientBrush Class
com.mindfusion.drawing Namespace

RadialGradientBrush.setX Method

Sets the relative x-coordinate of the center point.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void setX (
    double value
)
```

Parameters

value
A double value specifying the relative x-coordinate.

See Also

RadialGradientBrush Members
RadialGradientBrush Class
com.mindfusion.drawing Namespace

RadialGradientBrush.setY Method

Sets the relative y-coordinate of the center point.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void setY (
    double value
)
```

Parameters

value

A double value specifying the relative x-coordinate.

See Also

RadialGradientBrush Members
RadialGradientBrush Class
com.mindfusion.drawing Namespace

RadialGradientBrush.toColor Method

Returns a single color approximation of the brush.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public Color toColor ()
```

Return Value

See Also

RadialGradientBrush Members
RadialGradientBrush Class
com.mindfusion.drawing Namespace

RadialGradientBrush.writeExternal Method

Implements Externalizable.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void writeExternal (
    ObjectOutput out
)
```

Parameters

out

See Also

RadialGradientBrush Members
RadialGradientBrush Class
com.mindfusion.drawing Namespace

SolidBrush Class

Represents a brush that paints the interior of objects with a single color.

Syntax

Java
`public class SolidBrush extends Brush`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.drawing.Brush
    com.mindfusion.drawing.SolidBrush

See Also

SolidBrush Members
com.mindfusion.drawing Namespace

SolidBrush Members

Represents a brush that paints the interior of objects with a single color.

The following tables list the members exposed by the SolidBrush type.

Public Constructors

	Name	Description
	SolidBrush	Overloaded.

Public Methods

	Name	Description
	applyTo	
	clone	Create a copy of this brush.
	getColor	Gets the color that fills the interior of objects painted with this brush.
	readExternal	Implements Externalizable.
	setColor	Sets the color that fills the interior of objects painted with this brush.
	toColor	
	writeExternal	Implements Externalizable.

See Also

SolidBrush Constructor

Overload List

Name	Description
SolidBrush ()	Initializes a new instance of the SolidBrush class.
SolidBrush (Color)	Initializes a new instance of the **SolidBrush** class.
SolidBrush (String)	Initializes a new instance of the **SolidBrush** class.

See Also

SolidBrush Class
com.mindfusion.drawing Namespace

SolidBrush Constructor ()

Initializes a new instance of the SolidBrush class.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public SolidBrush ()
```

See Also

SolidBrush Constructor Overload List
SolidBrush Class
com.mindfusion.drawing Namespace

SolidBrush Constructor (Color)

Initializes a new instance of the SolidBrush class.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public SolidBrush (
    Color color
)
```

Parameters

color
A Color object representing the brush color.

See Also

SolidBrush Constructor Overload List
SolidBrush Class
com.mindfusion.drawing Namespace

SolidBrush Constructor (String)

Initializes a new instance of the SolidBrush class.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public SolidBrush (
    String color
)
```

Parameters

color
A string specifying color hex code.

See Also

SolidBrush Constructor Overload List
SolidBrush Class
com.mindfusion.drawing Namespace

SolidBrush Methods

SolidBrush.applyTo Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void applyTo (
    Graphics2D g,
    Rectangle2D bounds
)
```

Parameters

g

bounds

See Also

SolidBrush Members
SolidBrush Class
com.mindfusion.drawing Namespace

SolidBrush.clone Method

Create a copy of this brush.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public SolidBrush clone ()
```

Return Value

The new SolidBrush object.

See Also

SolidBrush Members
SolidBrush Class
com.mindfusion.drawing Namespace

SolidBrush.getColor Method

Gets the color that fills the interior of objects painted with this brush.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public Color getColor ()
```

Return Value

A Color object representing the brush color.

See Also

SolidBrush Members
SolidBrush Class
com.mindfusion.drawing Namespace

SolidBrush.readExternal Method

Implements Externalizable.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void readExternal (
    ObjectInput in
)
```

Parameters

in

See Also

SolidBrush Members
SolidBrush Class
com.mindfusion.drawing Namespace

SolidBrush.setColor Method

Sets the color that fills the interior of objects painted with this brush.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void setColor (
    Color value
)
```

Parameters

value
The new brush color.

See Also

SolidBrush Members
SolidBrush Class
com.mindfusion.drawing Namespace

SolidBrush.toColor Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public Color toColor ()`

Return Value

See Also

SolidBrush Members
SolidBrush Class
com.mindfusion.drawing Namespace

SolidBrush.writeExternal Method

Implements Externalizable.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

`public void writeExternal (`
`  ObjectOutput out`
`)`

Parameters

out

See Also

SolidBrush Members
SolidBrush Class
com.mindfusion.drawing Namespace

TextAlignment Enumeration

Specifies the alignment of text on the drawing surface.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java
`public enum TextAlignment`

Members

	Member name	Description

	BottomCenter	Text is vertically aligned at the bottom, and horizontally aligned at the center.
	BottomLeft	Text is vertically aligned at the bottom, and horizontally aligned on the left.
	BottomRight	Text is vertically aligned at the bottom, and horizontally aligned on the right.
	MiddleCenter	Text is vertically aligned in the middle, and horizontally aligned at the center.
	MiddleLeft	Text is vertically aligned in the middle, and horizontally aligned on the left.
	MiddleRight	Text is vertically aligned in the middle, and horizontally aligned on the right.
	NoWrap	The only flag that can be combines with any of the alignment flags. Specifies that the drawn text should not wrap when the text does not fit in a single line.
	TopCenter	Text is vertically aligned at the top, and horizontally aligned at the center.
	TopLeft	Text is vertically aligned at the top, and horizontally aligned on the left.
	TopRight	Text is vertically aligned at the top, and horizontally aligned on the right.

See Also

com.mindfusion.drawing Namespace

TextFormat Class

Specifies the format and alignment of text.

Syntax

Java

```
public class TextFormat implements Cloneable
```

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.drawing.TextFormat

See Also

TextFormat Members
com.mindfusion.drawing Namespace

TextFormat Members

Specifies the format and alignment of text.

The following tables list the members exposed by the TextFormat type.

Public Constructors

	Name	Description
	TextFormat	Overloaded.

Public Methods

	Name	Description
	clone	Creates a copy of this **TextFormat**.
	drawText	
	equals	Object.equals override.
	getHorizontalAlign	Gets the horizontal text alignment.
	getNoWrap	Gets a value indicating whether automatic text wrapping is disabled.
	getRightToLeft	
	getVerticalAlign	Gets the vertical text alignment.
	getWrapAtCharacter	Gets a value indicating whether text can be wrapped to a new line at an arbitrary character, or only after a whole word.
	getWrapOverflowingSingleWordLines	Gets whether a single-word line should wrap when overflowing.
	setHorizontalAlign	Sets the horizontal text alignment.
	setNoWrap	Sets a value indicating whether automatic text wrapping is disabled.
	setRightToLeft	
	setVerticalAlign	Sets the vertical text alignment.
	setWrapAtCharacter	Sets a value indicating whether text can be wrapped to a new line at an arbitrary character, or only after a whole word.
	setWrapOverflowingSingleWordLines	Sets whether a single-word line should wrap when overflowing.

See Also

TextFormat Class
com.mindfusion.drawing Namespace

TextFormat Constructor

Overload List

Name	Description
TextFormat ()	Initializes a new instance of the TextFormat class.
TextFormat (Align, Align)	Initializes a new instance of the **TextFormat** class.

See Also

TextFormat Class
com.mindfusion.drawing Namespace

TextFormat Constructor ()

Initializes a new instance of the TextFormat class.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public TextFormat ()
```

See Also

TextFormat Constructor Overload List
TextFormat Class
com.mindfusion.drawing Namespace

TextFormat Constructor (Align, Align)

Initializes a new instance of the TextFormat class.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public TextFormat (
    Align horizontalAlign,
    Align verticalAlign
)
```

Parameters

horizontalAlign
One of the Align constants.

verticalAlign

One of the **Align** constants.

See Also

TextFormat Constructor Overload List
TextFormat Class
com.mindfusion.drawing Namespace

TextFormat Methods

TextFormat.clone Method

Creates a copy of this TextFormat.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public TextFormat clone ()
```

Return Value

The new TextFormat object.

See Also

TextFormat Members
TextFormat Class
com.mindfusion.drawing Namespace

TextFormat.drawText Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public void drawText (
    String text,
    Graphics2D graphics,
    Font font,
    Rectangle2D bounds
)
```

Parameters

text

graphics

font

bounds

See Also

TextFormat Members
TextFormat Class
com.mindfusion.drawing Namespace

TextFormat.equals Method

Object.equals override.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public boolean equals (
    TextFormat other
)
```

Parameters

other
The object to compare to this instance.

Return Value

true if the value parameter equals the value of this instance; otherwise, false.

See Also

TextFormat Members
TextFormat Class
com.mindfusion.drawing Namespace

TextFormat.getHorizontalAlign Method

Gets the horizontal text alignment.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public Align getHorizontalAlign ()
```

Return Value

A member of the Align enumeration.

See Also

TextFormat Members
TextFormat Class

TextFormat.getNoWrap Method

Gets a value indicating whether automatic text wrapping is disabled.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public boolean getNoWrap ()
```

Return Value

true if text wrapping is disabled, otherwise false.

Remarks

If wrapping is enabled, the control automatically wraps the text to a new line when there is not enough space to fit it in one line. If automatic wrapping is disabled, the control wraps text only at new-line characters.

See Also

TextFormat Members
TextFormat Class
com.mindfusion.drawing Namespace

TextFormat.getRightToLeft Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public boolean getRightToLeft ()
```

Return Value

See Also

TextFormat Members
TextFormat Class
com.mindfusion.drawing Namespace

TextFormat.getVerticalAlign Method

Gets the vertical text alignment.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public Align getVerticalAlign ()
```

Return Value

A member of the Align enumeration.

See Also

TextFormat Members
TextFormat Class
com.mindfusion.drawing Namespace

TextFormat.getWrapAtCharacter Method

Gets a value indicating whether text can be wrapped to a new line at an arbitrary character, or only after a whole word.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public boolean getWrapAtCharacter ()
```

Return Value

true if text can be wrapped at an arbitrary character, otherwise false.

See Also

TextFormat Members
TextFormat Class
com.mindfusion.drawing Namespace

TextFormat.getWrapOverflowingSingleWordLines Method

Gets whether a single-word line should wrap when overflowing.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

```
Java
public boolean getWrapOverflowingSingleWordLines ()
```

Return Value

true if long word should wrap when it cannot fit on a line, or false if it should be drawn clipped.

See Also

TextFormat Members
TextFormat Class
com.mindfusion.drawing Namespace

TextFormat.setHorizontalAlign Method

Sets the horizontal text alignment.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void setHorizontalAlign (
    Align value
)
```

Parameters

value
A member of the Align enumeration.

See Also

TextFormat Members
TextFormat Class
com.mindfusion.drawing Namespace

TextFormat.setNoWrap Method

Sets a value indicating whether automatic text wrapping is disabled.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void setNoWrap (
    boolean wrap
)
```

Parameters

wrap
true to disable text wrapping, otherwise false.

Remarks

If wrapping is enabled, the control automatically wraps the text to a new line when there is not enough space to fit it in one line. If automatic wrapping is disabled, the control wraps text only at new-line characters.

See Also

TextFormat Members
TextFormat Class
com.mindfusion.drawing Namespace

TextFormat.setRightToLeft Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void setRightToLeft (
    boolean value
)
```

Parameters

value

See Also

TextFormat Members
TextFormat Class
com.mindfusion.drawing Namespace

TextFormat.setVerticalAlign Method

Sets the vertical text alignment.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void setVerticalAlign (
    Align value
)
```

Parameters

value
A member of the Align enumeration.

See Also

TextFormat Members
TextFormat Class
com.mindfusion.drawing Namespace

TextFormat.setWrapAtCharacter Method

Sets a value indicating whether text can be wrapped to a new line at an arbitrary character, or only after a whole word.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void setWrapAtCharacter (
    boolean value
)
```

Parameters

value
true if text can be wrapped at an arbitrary character, otherwise false.

See Also

TextFormat Members
TextFormat Class
com.mindfusion.drawing Namespace

TextFormat.setWrapOverflowingSingleWordLines Method

Sets whether a single-word line should wrap when overflowing.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void setWrapOverflowingSingleWordLines (
    boolean value
)
```

Parameters

value
true if long word should wrap when it cannot fit on a line, or false if it should be drawn clipped.

See Also

TextFormat Members
TextFormat Class
com.mindfusion.drawing Namespace

TextureBrush Class

Represents a brush that fills the interiors of objects with a texture pattern.

Syntax

Java
`public class TextureBrush extends Brush`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.drawing.Brush
    com.mindfusion.drawing.TextureBrush

See Also

TextureBrush Members
com.mindfusion.drawing Namespace

TextureBrush Members

Represents a brush that fills the interiors of objects with a texture pattern.

The following tables list the members exposed by the TextureBrush type.

Public Constructors

	Name	Description
	TextureBrush	Overloaded.

Public Methods

	Name	Description
	applyTo	Applies the brush to the specified graphics.
	clone	Creates a copy of a brush.
	getTexture	
	readExternal	
	setTexture	
	toColor	Returns a single color approximation of the brush.
	writeExternal	Implements Externalizable.

See Also

TextureBrush Class
com.mindfusion.drawing Namespace

TextureBrush Constructor

Overload List

Name	Description
TextureBrush ()	Initializes a new TextureBrush instance.
TextureBrush (Image)	Initializes a new TextureBrush instance with the specified pattern.

See Also

TextureBrush Class
com.mindfusion.drawing Namespace

TextureBrush Constructor ()

Initializes a new TextureBrush instance.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public TextureBrush ()
```

See Also

TextureBrush Constructor Overload List
TextureBrush Class
com.mindfusion.drawing Namespace

TextureBrush Constructor (Image)

Initializes a new TextureBrush instance with the specified pattern.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public TextureBrush (
    Image image
)
```

Parameters

image

See Also

TextureBrush Constructor Overload List
TextureBrush Class
com.mindfusion.drawing Namespace

TextureBrush Methods

TextureBrush.applyTo Method

Applies the brush to the specified graphics.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void applyTo (
    Graphics2D g,
    Rectangle2D bounds
)
```

Parameters

g

bounds

See Also

TextureBrush Members
TextureBrush Class
com.mindfusion.drawing Namespace

TextureBrush.clone Method

Creates a copy of a brush.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public TextureBrush clone ()
```

Return Value

A Brush instance.

See Also

TextureBrush Members
TextureBrush Class
com.mindfusion.drawing Namespace

TextureBrush.getTexture Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public Image getTexture ()
```

Return Value

See Also

TextureBrush Members
TextureBrush Class
com.mindfusion.drawing Namespace

TextureBrush.readExternal Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void readExternal (
    ObjectInput in
)
```

Parameters

in

See Also

TextureBrush Members
TextureBrush Class
com.mindfusion.drawing Namespace

TextureBrush.setTexture Method

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void setTexture (
    Image value
)
```

Parameters

value

See Also

TextureBrush Members
TextureBrush Class
com.mindfusion.drawing Namespace

TextureBrush.toColor Method

Returns a single color approximation of the brush.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public Color toColor ()
```

Return Value

See Also

TextureBrush Members
TextureBrush Class
com.mindfusion.drawing Namespace

TextureBrush.writeExternal Method

Implements Externalizable.

Namespace: com.mindfusion.drawing
Package: com.mindfusion.drawing

Syntax

Java

```
public void writeExternal (
    ObjectOutput out
)
```

Parameters

out

See Also

TextureBrush Members
TextureBrush Class
com.mindfusion.drawing Namespace

com.mindfusion.scheduling Namespace

AeroEffect Class

Represents an effect that adds semitransparency to the element and emphasizes its outline by adding a shade and an inner stroke.

Syntax

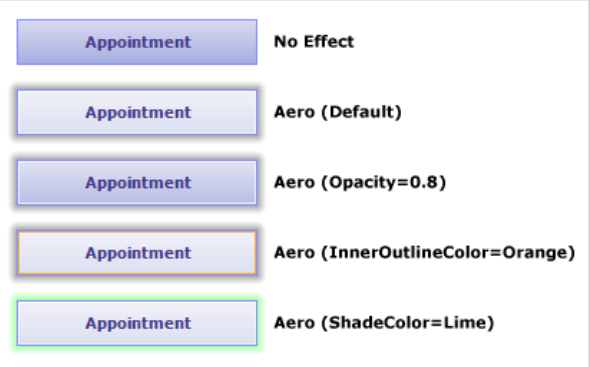
Java

```
public class AeroEffect extends ItemEffect
```

Remarks

This effect can be applied to the elements in an Calendar by adding an instance of this class to the Calendar.ItemEffects collection.

The following image illustrates the Aero effect applied to an item as well as how the different properties affect the output:



Example

The following example demonstrates how to apply aero effect to the items in a calendar control.

Java

```
calendar.getItemEffects().add(new AeroEffect());
```

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.ItemEffect
    com.mindfusion.scheduling.AeroEffect

See Also

AeroEffect Members
com.mindfusion.scheduling Namespace

AeroEffect Members

Represents an effect that adds semitransparency to the element and emphasizes its outline by adding a shade and an inner stroke.

The following tables list the members exposed by the AeroEffect type.

Public Constructors

	Name	Description
	AeroEffect	Initializes a new instance of the **AeroEffect** class.

Public Methods

	Name	Description
	addPropertyChangeListener	Adds a PropertyChangeListener to the effect. (Inherited from ItemEffect.)
	getInnerOutlineColor	Gets the color of the inner outline.
	getOpacity	Gets the opacity to apply to the element's background.
	getShadeColor	Gets the color of the shade.
	removePropertyChangeListener	Removes the specified PropertyChangeListener from the calendar. (Inherited from ItemEffect.)
	setInnerOutlineColor	Sets the color of the inner outline.
	setOpacity	Sets the opacity to apply to the element's background.
	setShadeColor	Sets the color of the shade.

See Also

AeroEffect Class
com.mindfusion.scheduling Namespace

AeroEffect Constructor

Initializes a new instance of the AeroEffect class.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java
`public AeroEffect ()`

See Also

AeroEffect Class
com.mindfusion.scheduling Namespace

AeroEffect Methods

AeroEffect.getInnerOutlineColor Method

Gets the color of the inner outline.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Color getInnerOutlineColor ()
```

Return Value

A Color object.

See Also

AeroEffect Members
AeroEffect Class
com.mindfusion.scheduling Namespace

AeroEffect.getOpacity Method

Gets the opacity to apply to the element's background.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public float getOpacity ()
```

Return Value

A float value.

Remarks

Opacity varies in the range [0..1] where 0 indicates full transparency and 1 indicates the original transparency. Opacity has no effect on image backgrounds.

See Also

AeroEffect Members
AeroEffect Class
com.mindfusion.scheduling Namespace

AeroEffect.getShadeColor Method

Gets the color of the shade.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Color getShadeColor ()
```

Return Value

A Color object.

See Also

AeroEffect Members
AeroEffect Class
com.mindfusion.scheduling Namespace

AeroEffect.setInnerOutlineColor Method

Sets the color of the inner outline.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setInnerOutlineColor (
    Color value
)
```

Parameters

value
A **Color** object.

See Also

AeroEffect Members
AeroEffect Class
com.mindfusion.scheduling Namespace

AeroEffect.setOpacity Method

Sets the opacity to apply to the element's background.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setOpacity (
    float value
)
```

Parameters

value
A float value.

Remarks

Opacity varies in the range [0..1] where 0 indicates full transparency and 1 indicates the original transparency. Opacity has no effect on image backgrounds.

See Also

AeroEffect Members
AeroEffect Class
com.mindfusion.scheduling Namespace

AeroEffect.setShadeColor Method

Sets the color of the shade.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setShadeColor (
    Color value
)
```

Parameters

value
A **Color** object.

See Also

AeroEffect Members
AeroEffect Class
com.mindfusion.scheduling Namespace

Alignment Enumeration

Specifies the alignment of an element relative to its layout rectangle.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public enum Alignment
```

Members

	Member name	Description
	Center	Indicates that element is aligned in the center of the layout rectangle.
	Far	Indicates that element is aligned far from the origin position of the layout rectangle. In a left-to-right layout, the far position is right. In a right-to-left layout, the far position is left.
	Near	Indicates the element be aligned near the layout. In a left-to-right layout, the near position is left. In a right-to-left layout, the near position is right.
	None	Indicated an unspecified alignment.

See Also

com.mindfusion.scheduling Namespace

Calendar Class

The **Calendar** control serves as a view in document-view architecture, where the document is implemented by the Schedule class. The **Calendar** provides several views modes, such as SingleMonth, List, Timetable, that present the scheduled events in different style, layout and resolution.

Syntax

Java

```
public class Calendar extends JComponent implements Printable, Scrollable, AncestorListener,
ClipboardOwner, MouseListener, MouseMotionListener, KeyListener, ComponentListener
```

Inheritance Hierarchy

java.lang.Object
  java.awt.Component
    java.awt.Container
      javax.swing.JComponent
        com.mindfusion.scheduling.Calendar

See Also

Calendar Members
com.mindfusion.scheduling Namespace

Calendar Members

The Calendar control serves as a view in document-view architecture, where the document is implemented by the Schedule class. The **Calendar** provides several views modes, such as SingleMonth, List, Timetable, that present the scheduled events in different style, layout and resolution.

The following tables list the members exposed by the **Calendar** type.

Public Constructors

	Name	Description
	Calendar	Overloaded. Initializes a new instance of the **Calendar** class.

Public Methods

	Name	Description
	addCalendarListener	Adds a CalendarListener to the calendar.
	applyTheme	Overloaded. Applies a theme to the calendar.
	assignLanePriorities	
	beginInit	Call this method before making several consecutive changes to the control to suppress internal updates, but don't forget to invoke endInit at the end.
	cancelModify	Cancels an interactive modification of an item, previously started by a call to startModify.
	collapseResourceRow	Overloaded. Collapses the row associated with a specified resource or resources.
	compactItemLanes	Overloaded. Reassigns new lane indices to items in order to remove empty spaces.
	completeModify	Completes an interactive modification of an item, previously started by a call to **startModify**.
	copyToClipboard	Copies the currently selected items to the clipboard.
	createImage	Overloaded.
	cutToClipboard	Cuts the currently selected items to the clipboard.
	dispose	Disposes any resources used by this **Calendar** object.
	endInit	Call this method to signal that object initialization started with **beginInit** is complete.
	ensureVisible	Overloaded. Ensures that an item or a date is visible within the control.
	expandResourceRow	Overloaded. Expands the row associated with a specified resource or resources.
	getAllowAutoScroll	Gets a value indicating whether the control scrolls automatically its contents when users drag items near the edge of the client rectangle.
	getAllowDrag	Gets a value indicating whether the user can initiate a drag operation within the component.
	getAllowInplaceCreate	Gets a value indicating whether users are allowed to create items interactively.
	getAllowInplaceEdit	Gets a value indicating whether users are allowed to edit items interactively.
	getAllowMoveUnselectedItems	Gets a value indicating whether users are allowed to move unselected items.

	getButtonOffset	Gets the offset of the navigation buttons, displayed in the views' headers.
	getButtonSize	Gets the size of the navigation buttons, displayed in the views' headers.
	getCalendarCursor	Gets the cursor that is displayed when the mouse pointer is over the calendar.
	getColumnResizeCursorH	Gets the cursor that is displayed when a column can be resized or is being resized in a horizontal CalendarView.Timetable view.
	getColumnResizeCursorV	Gets the cursor that is displayed when a column can be resized or is being resized in a vertical **CalendarView.Timetable** view.
	getContactAt	Overloaded. Gets the Contact object associated with the calendar element at a specified position.
	getContactNameFormat	Gets how to format and display contact names.
	getContacts	Gets the contacts whose schedule to display in the component when getGroupType is GroupType.GroupByContacts.
	getControlAppearance	Gets the visual style of the calendar child controls.
	getControlStyle	Gets a ControlStyle object that allows customizing the visualization of the calendar child controls.
	getCurrentTime	Gets the current time.
	getCurrentView	Gets the type of the calendar view.
	getCustomDraw	Gets which UI elements of the calendar should be custom drawn.
	getCustomGroupType	Gets a runtime type of the resources to group by.
	getCustomSecondaryGroupType	Gets a runtime type of the secondary resources to group by.
	getCustomTheme	Gets the custom theme applied to the component.
	getDate	Gets the date currently displayed in the calendar.
	getDateAt	Overloaded. Returns the date of the calendar element located at a specified position.
	getDateTimeInfo	Gets a DateTimeInfo object that specifies how to format and display all dates within the calendar.
	getDayOfWeekStyles	Gets a collection of DayOfWeekStyle objects that allow customizing the appearance of specific days of the week in the calendar.
	getDayStyles	Gets a collection of DateStyle objects that allow customizing the appearance of specific days in the calendar.
	getDefaultSize	Gets the default size of the component.

	getDelayInplaceEdit	Gets a value indicating whether the in-place editing of an item is delayed for a second when the item is clicked.
	getDragFeedBackType	Gets the type of feedback to provide during drag-and-drop from ItemListView.
	getDragItemsOnDisabledAreas	Gets a value indicating whether to update the position of items dragged over areas which do not allow items.
	getElementBounds	Gets the bounding rectangle of a particular calendar element.
	getEnableDragCreate	Gets a value indicating whether items are created merely by dragging in the control.
	getEnableKeyboard	Gets a value indicating whether the selection can be manipulated through the keyboard.
	getEndDate	Gets the last date displayed in the calendar.
	getEnsureVisibleSelection	Gets a value indicating whether interactively selected cells should be automatically brought into view.
	getExactDateAt	Overloaded. Returns the date located at a specified position.
	getFirstDate	Gets the first date of the time range displayed in the calendar.
	getFirstVisibleDate	Determines which is the first visible date in the current view.
	getFirstVisibleResource	Determines which is the first visible resource in the current view.
	getGraphics	
	getGroupType	Gets the grouping criteria for the **CalendarView.Timetable**, **CalendarView.WeekRange**, **CalendarView.List** and **CalendarView.ResourceView** views.
	getHiddenItemsCursor	Gets the cursor that is displayed when the mouse pointer is over the hidden items cue icon.
	getHScrollerSmallChange	Gets the small step for the horizontal scroll bar.
	getHScrollerVisible	Gets a value indicating whether the horizontal scrollbar should always be visible, always hidden or visible only when it is needed.
	getHScrollPos	Gets the current horizontal scroll position.
	getImageList	Gets the image list associated with the calendar.
	getInteractiveItemType	Gets the type of item that should be created when a user starts typing while the calendar control has the keyboard focus.
	getItemAt	Overloaded. Gets the Item displayed at a specified position.
	getItemBounds	Retrieves the bounding rectangle of the specified item.

	getItemChangeResourceKey	Gets the modifier key, which lets users drag items between different contacts, resources, locations or tasks in a grouped view.
	getItemCloneKey	Gets the modifier key, which when pressed allows users to interactively clone items.
	getItemDragCursor	Gets the cursor that is displayed when an item is being dragged.
	getItemDragKey	Gets the modifier key that lets users start a drag-and-drop operation when they drag an item.
	getItemEffects	Gets a collection with all effects applied to the elements of this calendar.
	getItemHResizeCursor	Gets the cursor that is displayed when the mouse pointer is over the horizontal resize area of an item.
	getItemListLane	Gets the index of the lane of the specified item within a List view with ListViewSettings.setFreeDrag set to true.
	getItemModificationStyle	Gets a value indicating the way items are processed when modified interactively.
	getItemMoveCursor	Gets the cursor that is displayed when the mouse pointer is over the move area of an item.
	getItemNoDragCursor	Gets the cursor that is displayed when an item is dragged over a location that cannot contain items.
	getItemScroll	Gets the current scroll position in a List view with ListViewSettings.setEnableVirtualItemSpace set to true.
	getItemSelection	Gets a list of all selected items.
	getItemSettings	Gets the ItemSettings object used to customize the visualization of schedule items in all calendar views.
	getItemTooltipFormat	Gets the format of item tooltips.
	getItemVResizeCursor	Gets the cursor that is displayed when the mouse pointer is over the vertical resize area of an item.
	getKeepItemSelection	Gets a value indicating whether the item selection is preserved when an item from the selection is clicked.
	getLastDate	Gets the last date of the time range displayed in the calendar.
	getLastVisibleDate	Determines which is the last visible date in the current view.
	getLastVisibleResource	Determines which is the last visible resource in the current view.
	getListLaneAt	Retrieves the index of the **CalendarView.List** view lane at the specified point, expressed in client coordinates.
	getListViewSettings	Gets the ListViewSettings object used to customize the visualization of the **CalendarView.List** view.
	getLocale	Gets the Locale object used to format and display time information in the calendar.

	getLocationAt	Overloaded. Gets the Location object associated with the calendar element at a specified position.
	getLocations	Gets the locations whose schedule to display in the control when **getGroupType** is **GroupType.GroupByLocations**.
	getMinItemLength	Gets the minimal length of interactively created items, expressed in minutes.
	getMonthRangeSettings	Gets the MonthRangeSettings object used to customize the visualization of a month range in the **CalendarView.MonthRange** view.
	getMonthSettings	Gets the MonthSettings object used to customize the visualization of months in the **CalendarView.MonthRange** and **CalendarView.SingleMonth** views.
	getMonthsInYear	Returns the number of months in the specified year according to the calendar settings.
	getMonthStyles	Gets a collection of **DateStyle** objects that allow customizing the appearance of specific months in the calendar.
	getPrintOptions	Gets a PrintOptions object that allows customizing various aspects of printing.
	getRescheduleRecurrenceKey	Gets the modifier key, which when pressed allows users to interactively reschedule recurrent items.
	getResourceAt	Overloaded. Gets the Resource object associated with the calendar element at a specified position.
	getResources	Gets the resources whose schedule to display in the control when **getGroupType** is **GroupType.GroupByResources**.
	getResourceViewSettings	Gets the ResourceViewSettings object used to customize the visualization of a **CalendarView.ResourceView** view.
	getRightToLeft	Gets a value indicating whether control's elements are laid out from right to left.
	getRowHeaderResizeCursor	Gets the cursor that is displayed when a row header can be resized or is being resized in a **CalendarView.ResourceView** view.
	getSchedule	Gets the schedule whose information should be displayed inside the calendar component.
	getScrollPosition	Gets the current scroll position.
	getSecondaryGroupType	Gets the secondary grouping criteria for the **CalendarView.ResourceView** view.
	getSelection	Gets a Selection object representing the current selection in the calendar.
	getShowToolTips	Gets a value indicating whether the calendar displays tooltips.
	getStartEditAfterModify	Gets a value indicating whether in-place editing of items should automatically start after they are modified interactively.

	getTaskAt	Overloaded. Gets the Task object associated with the calendar element at a specified position.
	getTasks	Gets the tasks whose schedule to display in the control when **getGroupType** is **GroupType.GroupByTasks**.
	getTheme	Gets the theme applied to the calendar control UI elements.
	getTimetableSettings	Gets the TimetableSettings object used to customize the visualization of days and hours in **CalendarView.Timetable** view.
	getVisibleItems	Retrieves a collection with all currently visible items.
	getVScrollerSmallChange	Gets the small step for the vertical scroll bar.
	getVScrollerVisible	Gets a value indicating whether the vertical scrollbar should always be visible, always hidden or visible only when it is needed.
	getVScrollPos	Gets the current vertical scroll position.
	getWeekRangeSettings	Gets the WeekRangeSettings object used to customize the visualization of weeks in a **CalendarView.WeekRange** view.
	invalidate	Overloaded.
	isResourceRowExpanded	Overloaded. Checks whether the row associated with a specified resource or resources in a **Resource** view is expanded.
	onNavigationKeyPress	
	pasteFromClipboard	Overloaded.
	print	Overloaded. Prints the calendar.
	printPreview	Overloaded. Displays a print preview of the calendar.
	removeCalendarListener	Removes the specified **CalendarListener** from the calendar.
	resetDrag	If there is a mouse drag operation in progress, it is canceled.
	resumeDrag	Resumes the previously paused mouse drag operation.
	setAllowAutoScroll	Sets a value indicating whether the control scrolls automatically its contents when users drag items near the edge of the client rectangle.
	setAllowDrag	Sets a value indicating whether the user can initiate a drag operation within the component.
	setAllowInplaceCreate	Sets a value indicating whether users are allowed to create items interactively.
	setAllowInplaceEdit	Sets a value indicating whether users are allowed to edit items interactively.
	setAllowMoveUnselectedItems	Sets a value indicating whether users are allowed to move unselected items.

	setButtonOffset	Sets the offset of the navigation buttons, displayed in the views' headers.
	setButtonSize	Sets the size of the navigation buttons, displayed in the views' headers.
	setCalendarCursor	Sets the cursor that is displayed when the mouse pointer is over the calendar.
	setColumnResizeCursorH	Sets the cursor that is displayed when a column can be resized or is being resized in a horizontal **CalendarView.Timetable** view.
	setColumnResizeCursorV	Sets the cursor that is displayed when a column can be resized or is being resized in a vertical **CalendarView.Timetable** view.
	setComponentOrientation	**Component.setComponentOrientation** override.
	setContactNameFormat	Sets how to format and display contact names.
	setControlAppearance	Gets the visual style of the calendar child controls.
	setCurrentTime	Sets the current time.
	setCurrentView	Sets the type of the calendar view.
	setCustomDraw	Sets which UI elements of the calendar should be custom drawn.
	setCustomGroupType	Sets a runtime type of the resources to group by.
	setCustomSecondaryGroupType	Sets a runtime type of the secondary resources to group by.
	setCustomTheme	Sets the custom theme applied to the component.
	setDate	Sets the date currently displayed in the calendar.
	setDateTimeFormat	Sets a **DateTimeInfo** object that specifies how to format and display all dates within the calendar.
	setDelayInplaceEdit	Sets a value indicating whether the in-place editing of an item is delayed for a second when the item is clicked.
	setDragFeedBackType	Sets the type of feedback to provide during drag-and-drop from ItemListView.
	setDragItemsOnDisabledAreas	Sets a value indicating whether to update the position of items dragged over areas which do not allow items.
	setEnableDragCreate	Sets a value indicating whether items are created merely by dragging in the control.
	setEnableKeyboard	Sets a value indicating whether the selection can be manipulated through the keyboard.
	setEndDate	Sets the last date displayed in the calendar.
	setEnsureVisibleSelection	Sets a value indicating whether interactively selected cells should be automatically brought into view.
	setGroupType	Sets the grouping criteria for the **CalendarView.Timetable**, **CalendarView.WeekRange**,

		CalendarView.List and **CalendarView.ResourceView** views.
	setHiddenItemsCursor	Sets the cursor that is displayed when the mouse pointer is over the hidden items cue icon.
	setHScrollerSmallChange	Sets the small step for the horizontal scroll bar.
	setHScrollerVisible	Sets a value indicating whether the horizontal scrollbar should always be visible, always hidden or visible only when it is needed.
	setHScrollPos	Sets the current horizontal scroll position.
	setImageList	Sets the image list associated with the calendar.
	setInteractiveItemType	Sets the type of item that should be created when a user starts typing while the calendar control has the keyboard focus.
	setItemChangeResourceKey	Sets the modifier key, which lets users drag items between different contacts, resources, locations or tasks in a grouped view.
	setItemCloneKey	Sets the modifier key, which when pressed allows users to interactively clone items.
	setItemDragCursor	Sets the cursor that is displayed when an item is being dragged.
	setItemDragKey	Sets the modifier key that lets users start a drag-and-drop operation when they drag an item.
	setItemHResizeCursor	Sets the cursor that is displayed when the mouse pointer is over the horizontal resize area of an item.
	setItemListLane	Sets the lane index for the specified item within a List view with **ListViewSettings.setFreeDrag** set to true.
	setItemModificationStyle	Sets a value indicating the way items are processed when modified interactively.
	setItemMoveCursor	Sets the cursor that is displayed when the mouse pointer is over the move area of an item.
	setItemNoDragCursor	Sets the cursor that is displayed when an item is dragged over a location that cannot contain items.
	setItemScroll	Sets the current scroll position in a List view with **ListViewSettings.setEnableVirtualItemSpace** set to true.
	setItemTooltipFormat	Gets the format of item tooltips.
	setItemVResizeCursor	Sets the cursor that is displayed when the mouse pointer is over the vertical resize area of an item.
	setKeepItemSelection	Sets a value indicating whether the item selection is preserved when an item from the selection is clicked.
S	setLicenseKey	Sets the license key of the control.
	setLocale	Sets the Locale object used to format and display time information in the calendar.

	setMinItemLength	Gets the minimal length of interactively created items, expressed in minutes.
	setRescheduleRecurrenceKey	Sets the modifier key, which when pressed allows users to interactively reschedule recurrent items.
	setRightToLeft	Sets a value indicating whether control's elements are laid out from right to left.
	setRowHeaderResizeCursor	Sets the cursor that is displayed when a row header can be resized or is being resized in a **CalendarView.ResourceView** view.
	setSchedule	Sets the schedule whose information should be displayed inside the calendar component.
	setScrollPosition	Sets the current scroll position.
	setSecondaryGroupType	Sets the secondary grouping criteria for the **CalendarView.ResourceView** view.
	setShowToolTips	Sets a value indicating whether the calendar displays tooltips.
	setStartEditAfterModify	Sets a value indicating whether in-place editing of items should automatically start after they are modified interactively.
	setTheme	Sets the theme applied to the calendar control UI elements.
	setViewport	Sets the displayed time interval to the specified range, optionally changing the view resolution. If the interval is outside of the view range, the view range is expanded to include the interval.
	setVScrollerSmallChange	Sets the small step for the vertical scroll bar.
	setVScrollerVisible	Sets a value indicating whether the vertical scrollbar should always be visible, always hidden or visible only when it is needed.
	setVScrollPos	Sets the current vertical scroll position.
	snapInResourceView	Returns a new date representing the the specified date when snapped according to the current Resource View settings.
	startInplaceEdit	Starts in-place editing mode for the specified item to let users edit the item's text.
	startModify	Initiates interactive modification on the specified item.
	suspendDrag	Temporarily pauses the current mouse drag operation.
	update	Forces an update of the control.
	updateLayout	Updates the position of the calendar's child controls such as buttons and scrollbars.
	updateModify	Updates an interactive modification of an item, previously started by a call to **startModify**.

Protected Methods

	Name	Description
	onBeginItemDrawing	Raises the CalendarListener.beginItemDrawing event.
	onCustomizeGrouping	Raises the CalendarListener.customizeGrouping event.
	onCustomizeText	Raises the CalendarListener.customizeText event.
	onDateClick	Raises the CalendarListener.dateClick event.
	onDraw	Raises the CalendarListener.draw event.
	onDrawing	Raises the CalendarListener.drawing event.
	onEndItemDrawing	Raises the CalendarListener.endItemDrawing event.
	onHiddenItemClick	Raises the CalendarListener.hiddenItemClick event.
	onHScroll	Raises the CalendarListener.hScroll event.
	onItemClick	Raises the CalendarListener.itemClick event.
	onItemCloned	Raises the CalendarListener.itemCloned event.
	onItemCloning	Raises the CalendarListener.itemCloning event.
	onItemCreated	Raises the CalendarListener.itemCreated event.
	onItemCreating	Raises the CalendarListener.itemCreating event.
	onItemCreationCanceled	Raises the CalendarListener.itemCreationCanceled event.
	onItemDeleted	Raises the CalendarListener.itemDeleted event.
	onItemDeleting	Raises the CalendarListener.itemDeleting event.
	onItemDeselecting	Raises the CalendarListener.itemDeselecting event.
	onItemDrawing	Raises the CalendarListener.itemDrawing event.
	onItemInplaceEdited	Raises the CalendarListener.itemInplaceEdited event.
	onItemInplaceEditEnding	Raises the CalendarListener.itemInplaceEditEnding event.
	onItemInplaceEditStarting	Raises the CalendarListener.itemInplaceEditStarting event.
	onItemListLaneChanged	Raises the CalendarListener.itemListLaneChanged event.
	onItemModificationCanceled	Raises the CalendarListener.itemModificationCanceled event.
	onItemModified	Raises the CalendarListener.itemModified event.
	onItemModifying	Raises the CalendarListener.itemModifying event.
	onItemPasted	Raises the CalendarListener.itemPasted event.
	onItemPasting	Raises the CalendarListener.itemPasting event.
	onItemSelecting	Raises the CalendarListener.itemSelecting event.
	onItemSelectionChanged	Raises the CalendarListener.itemSelectionChanged event.
	onItemSelectionComplete	Raises the CalendarListener.itemSelectionComplete event.
	onItemsModified	Raises the CalendarListener.itemsModified event.

	onItemTooltipDisplaying	Raises the CalendarListener.itemTooltipDisplaying event.
	onListViewHeaderClick	Raises the CalendarListener.listViewHeaderClick event.
	onMonthCellClick	Raises the CalendarListener.monthCellClick event.
	onMonthHeaderClick	Raises the CalendarListener.monthHeaderClick event.
	onMonthRangeHeaderClick	Raises the CalendarListener.monthRangeHeaderClick event.
	onMonthWeekHeaderClick	Raises the CalendarListener.monthWeekHeaderClick event.
	onRecurringItemDeleting	Raises the CalendarListener.recurringItemDeleting event.
	onResourceViewBottomTimelineClick	Raises the CalendarListener.resourceViewBottomTimelineClick event.
	onResourceViewMiddleTimelineClick	Raises the CalendarListener.resourceViewMiddleTimelineClick event.
	onResourceViewRowHeaderClick	Raises the CalendarListener.resourceViewRowHeaderClick event.
	onResourceViewTopTimelineClick	Raises the CalendarListener.resourceViewTopTimelineClick event.
	onScroll	Raises the CalendarListener.scroll event.
	onTimetableColumnHeaderClick	Raises the CalendarListener.timetableColumnHeaderClick event.
	onTooltipDisplaying	Raises the CalendarListener.tooltipDisplaying event.
	onVisibleDateChanged	Raises the CalendarListener.visibleDateChanged event.
	onVScroll	Raises the CalendarListener.vScroll event.
	onWeekRangeHeaderClick	Raises the CalendarListener.weekRangeHeaderClick event.
	paintComponent	**JComponent.paintComponent** override.
	raiseTimelineUnitsChanged	Raises the CalendarListener.timeLineUnitsChanged event.

See Also

Calendar Class
com.mindfusion.scheduling Namespace

Calendar Constructor

Initializes a new instance of the Calendar class.

Overload List

Name	Description
Calendar ()	Initializes a new instance of the **Calendar** class.

Calendar (Locale)	Initializes a new instance of the **Calendar** class using the specified Locale.

See Also

Calendar Class
com.mindfusion.scheduling Namespace

Calendar Constructor ()

Initializes a new instance of the Calendar class.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Calendar ()
```

See Also

Calendar Constructor Overload List
Calendar Class
com.mindfusion.scheduling Namespace

Calendar Constructor (Locale)

Initializes a new instance of the Calendar class using the specified Locale.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Calendar (
    Locale locale
)
```

Parameters

locale
A **Locale** object providing information about formatting and displaying dates and times.

See Also

Calendar Constructor Overload List
Calendar Class
com.mindfusion.scheduling Namespace

Calendar Methods

Calendar.addCalendarListener Method

Adds a CalendarListener to the calendar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void addCalendarListener (
    CalendarListener listener
)
```

Parameters

listener
The CalendarListener to be added.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.applyTheme Method

Applies a theme to the calendar.

Overload List

Name	Description
Calendar.applyTheme (Theme)	Applies the specified theme to the calendar.
Calendar.applyTheme (Theme, Boolean)	Applies the specified theme to the calendar, optionally resetting all current settings.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.applyTheme Method (Theme)

Applies the specified theme to the calendar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void applyTheme (
    Theme theme
)
```

Parameters

theme

A Theme object containing appearance settings.

See Also

applyTheme Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.applyTheme Method (Theme, Boolean)

Applies the specified theme to the calendar, optionally resetting all current settings.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void applyTheme (
    Theme theme,
    boolean reset
)
```

Parameters

theme

A Theme object containing appearance settings.

reset

Specifies whether to reset the settings.

See Also

applyTheme Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.assignLanePriorities Method

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void assignLanePriorities ()
```

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.beginInit Method

Call this method before making several consecutive changes to the control to suppress internal updates, but don't forget to invoke endInit at the end.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void beginInit ()
```

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.cancelModify Method

Cancels an interactive modification of an item, previously started by a call to startModify.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean cancelModify ()
```

Return Value

true, if there was a started modification before the call; otherwise, **false**.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.collapseResourceRow Method

Collapses the row associated with a specified resource or resources.

Overload List

Name	Description
Calendar.collapseResourceRow (Resource)	Collapses the row associated with the specified Contact, Location, Task or Resource in a CalendarView.ResourceView view. If there is no such row or the current view is not ResourceView, nothing happens.
Calendar.collapseResourceRow (Resource[])	Collapses the row associated with the specified resources. If there is no such row or the current view is not **CalendarView.ResourceView**, nothing happens.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.collapseResourceRow Method (Resource)

Collapses the row associated with the specified Contact, Location, Task or Resource in a CalendarView.ResourceView view. If there is no such row or the current view is not ResourceView, nothing happens.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void collapseResourceRow (
    Resource resource
)
```

Parameters

resource
A reference to the Contact, Location, Task or Resource object whose row is to be collapsed.

See Also

collapseResourceRow Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.collapseResourceRow Method (Resource[])

Collapses the row associated with the specified resources. If there is no such row or the current view is not CalendarView.ResourceView, nothing happens.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

`public void collapseResourceRow (`
`  Resource[] resources`
`)`

Parameters

resources
A list with Resource objects defining the row to collapse.

See Also

collapseResourceRow Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.compactItemLanes Method

Reassigns new lane indices to items in order to remove empty spaces.

Overload List

Name	Description
Calendar.compactItemLanes ()	Reassigns new lane indices to schedule items in order to remove empty spaces between items. The relative order of the items remains untouched.
Calendar.compactItemLanes (List(Item))	Reassigns new lane indices to the specified schedule items in order to remove empty spaces between the items and their neighbors.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.compactItemLanes Method ()

Reassigns new lane indices to schedule items in order to remove empty spaces between items. The relative order of the items remains untouched.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java
`public void compactItemLanes ()`

See Also

compactItemLanes Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.compactItemLanes Method (List(Item))

Reassigns new lane indices to the specified schedule items in order to remove empty spaces between the items and their neighbors.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void compactItemLanes (
    List<Item> items
)
```

Parameters

items
The items to compact.

See Also

compactItemLanes Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.completeModify Method

Completes an interactive modification of an item, previously started by a call to startModify.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public boolean completeModify (
    Point point
)
```

Parameters

point
The final point of the interactive modification.

Return Value

true, if there was a started modification before the call; otherwise, **false**.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.copyToClipboard Method

Copies the currently selected items to the clipboard.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java
`public void copyToClipboard ()`

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace
ItemSelection Property
pasteFromClipboard Method
cutToClipboard Method

Calendar.createImage Method

Overload List

Name	Description
Calendar.createImage (Boolean)	Creates a bitmap image of the current calendar view.
Calendar.createImage (Boolean, Int32, Int32)	Creates a bitmap image of the current calendar view.
Calendar.createImage (Boolean, Single, Single)	Creates a bitmap image of the current calendar view.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.createImage Method (Boolean)

Creates a bitmap image of the current calendar view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public BufferedImage createImage (
    boolean visibleOnly
)
```

Parameters

visibleOnly
Specifies whether to create an image only of the calendar area that is currently visible on screen.

Return Value

A **java.awt.image.BufferedImage** instance.

See Also

createImage Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.createImage Method (Boolean, Int32, Int32)

Creates a bitmap image of the current calendar view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public BufferedImage createImage (
    boolean visibleOnly,
    int desiredWidth,
    int desiredHeight
)
```

Parameters

visibleOnly
Specifies whether to create an image only of the calendar area that is currently visible on screen.

desiredWidth
The width of exported image.

desiredHeight
The height of exported image.

Return Value

A **java.awt.image.BufferedImage** instance.

See Also

createImage Method Overload List
Calendar Members

Calendar.createImage Method (Boolean, Single, Single)

Creates a bitmap image of the current calendar view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public BufferedImage createImage (
    boolean visibleOnly,
    float scaleX,
    float scaleY
)
```

Parameters

visibleOnly
Specifies whether to create an image only of the calendar area that is currently visible on screen.

scaleX
The horizontal scale of exported image.

scaleY
The vertical scale of exported image.

Return Value

A **java.awt.image.BufferedImage** instance.

See Also

createImage Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.cutToClipboard Method

Cuts the currently selected items to the clipboard.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void cutToClipboard ()
```

Remarks

Copies the currently selected items to the system clipboard and removes them from the schedule. Item removal is wrapped in a CompositeCommand to ensure it can be undone or redone as a single action.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace
ItemSelection Property
pasteFromClipboard Method
copyToClipboard Method

Calendar.dispose Method

Disposes any resources used by this Calendar object.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void dispose ()
```

Remarks

It is important to call **dispose** on the object when you are done using it, in order to terminate the associated timers.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.endInit Method

Call this method to signal that object initialization started with beginInit is complete.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void endInit ()
```

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.ensureVisible Method

Ensures that an item or a date is visible within the control.

Overload List

Name	Description
Calendar.ensureVisible (DateTime)	Ensures that the specified date is visible within the control, scrolling the contents of the control if necessary.
Calendar.ensureVisible (DateTime, Resource)	Ensures that the specified date is visible within the control, scrolling the contents of the control if necessary. The resource parameter allows specifying a Task, Location, Contact or Resource for which to display the date in a view with enabled grouping.
Calendar.ensureVisible (Item)	Ensures that the item is visible within the control, scrolling the contents of the control if necessary.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.ensureVisible Method (DateTime)

Ensures that the specified date is visible within the control, scrolling the contents of the control if necessary.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void ensureVisible (
    DateTime date
)
```

Parameters

date
A DateTime instance identifying the date to scroll into view.

Remarks

This method does nothing if the specified date is not included in the time-period displayed in the current view.

See Also

ensureVisible Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.ensureVisible Method (DateTime, Resource)

Ensures that the specified date is visible within the control, scrolling the contents of the control if necessary. The resource parameter allows specifying a Task, Location, Contact or Resource for which to display the date in a view with enabled grouping.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void ensureVisible (
    DateTime date,
    Resource resource
)
```

Parameters

date
A DateTime instance identifying the date to scroll into view.

resource
A reference to Task, Location, Contact or Resource whose group to display in the view.

Remarks

This method does nothing if the specified date is not included in the time-period displayed in the current view.

See Also

ensureVisible Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.ensureVisible Method (Item)

Ensures that the item is visible within the control, scrolling the contents of the control if necessary.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void ensureVisible (
    Item item
)
```

Parameters

item
The schedule Item to scroll into view.

Remarks

This method does nothing if the item is not scheduled to occur in the time-period displayed in the current view.

See Also

ensureVisible Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.expandResourceRow Method

Expands the row associated with a specified resource or resources.

Overload List

Name	Description
Calendar.expandResourceRow (Resource)	Expands the row associated with the specified Contact, Location, Task or Resource in a CalendarView.ResourceView view. If there is no such row or the current view is not ResourceView, nothing happens.
Calendar.expandResourceRow (Resource[])	Expands the row associated with the specified resources. If there is no such row or the current view is not **CalendarView.ResourceView**, nothing happens.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.expandResourceRow Method (Resource)

Expands the row associated with the specified Contact, Location, Task or Resource in a CalendarView.ResourceView view. If there is no such row or the current view is not ResourceView, nothing happens.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void expandResourceRow (
    Resource resource
)
```

Parameters

resource
A reference to the Contact, Location, Task or Resource object whose row is to be expanded.

See Also

expandResourceRow Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.expandResourceRow Method (Resource[])

Expands the row associated with the specified resources. If there is no such row or the current view is not CalendarView.ResourceView, nothing happens.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void expandResourceRow (
    Resource[] resources
)
```

Parameters

resources
A list with Resource objects defining the row to expand.

See Also

expandResourceRow Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getAllowAutoScroll Method

Gets a value indicating whether the control scrolls automatically its contents when users drag items near the edge of the client rectangle.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean getAllowAutoScroll ()
```

Return Value

true to enable automatic scrolling; otherwise, **false**. The default is **true**.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getAllowDrag Method

Gets a value indicating whether the user can initiate a drag operation within the component.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean getAllowDrag ()
```

Return Value

true, to enable dragging within the component; otherwise, **false**. The default is **true**.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getAllowInplaceCreate Method

Gets a value indicating whether users are allowed to create items interactively.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean getAllowInplaceCreate ()
```

Return Value

true to allow users to create schedule items; otherwise, **false**. The default is **true**.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getAllowInplaceEdit Method

Gets a value indicating whether users are allowed to edit items interactively.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean getAllowInplaceEdit ()
```

Return Value

true to allow users to edit schedule items; otherwise, **false**. The default is **true**.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getAllowMoveUnselectedItems Method

Gets a value indicating whether users are allowed to move unselected items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean getAllowMoveUnselectedItems ()
```

Return Value

true users are allowed to move unselected items, or **false** otherwise. The default value is **true**.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getButtonOffset Method

Gets the offset of the navigation buttons, displayed in the views' headers.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public int getButtonOffset ()
```

Return Value

An integer value specifying how many pixels there are between a button and header edges. The default is 4.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getButtonSize Method

Gets the size of the navigation buttons, displayed in the views' headers.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public int getButtonSize ()
```

Return Value

An integer value specifying the size of the navigation buttons displayed in the CalendarView.List, **CalendarView.SingleMonth**, **CalendarView.MonthRange** and **CalendarView.Timetable** views. The default is 0.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getCalendarCursor Method

Gets the cursor that is displayed when the mouse pointer is over the calendar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Cursor getCalendarCursor ()
```

Return Value

One of the Cursor constants. The default is **Cursor.Default**.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getColumnResizeCursorH Method

Gets the cursor that is displayed when a column can be resized or is being resized in a horizontal CalendarView.Timetable view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Cursor getColumnResizeCursorH ()
```

Return Value

One of the Cursor constants. The default is **Cursor.HSplit**.

Remarks

To let users resize the columns in a timetable view, set TimetableSettings.setAllowResizeColumns to **true**.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getColumnResizeCursorV Method

Gets the cursor that is displayed when a column can be resized or is being resized in a vertical CalendarView.Timetable view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Cursor getColumnResizeCursorV ()
```

Return Value

One of the Cursor constants. The default is **Cursor.VSplit**.

Remarks

To let users resize the columns in a timetable view, set TimetableSettings.setAllowResizeColumns to **true**.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getContactAt Method

Gets the Contact object associated with the calendar element at a specified position.

Overload List

Name	Description
Calendar.getContactAt (Int32, Int32)	Gets the **Contact** object associated with the calendar element at the specified point.
Calendar.getContactAt (Point)	Gets the **Contact** object associated with the calendar element at the specified point.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getContactAt Method (Int32, Int32)

Gets the Contact object associated with the calendar element at the specified point.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Contact getContactAt (
    int x,
    int y
)
```

Parameters

x
The x-coordinate of the point to test.

y
The y-coordinate of the point to test.

Return Value

A Contact instance related to the calendar element at the specified position.

Remarks

This method can only be used in views that support grouping.

See Also

getContactAt Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getContactAt Method (Point)

Gets the Contact object associated with the calendar element at the specified point.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java

public Contact getContactAt (
    Point point
)
```

Parameters

point
The point to test.

Return Value

A Contact instance related to the calendar element at the specified position.

Remarks

This method can be only be used in views that support grouping.

See Also

getContactAt Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getContactNameFormat Method

Gets how to format and display contact names.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java

public String getContactNameFormat ()
```

Return Value

A string specifying the name format. The default is "F M L".

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getContacts Method

Gets the contacts whose schedule to display in the component when getGroupType is GroupType.GroupByContacts.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public ResourceList<Contact> getContacts ()
```

Return Value

An instance of the ResourceList class specifying which contacts are displayed in timetable, week range and resource views.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getControlAppearance Method

Gets the visual style of the calendar child controls.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public ControlAppearance getControlAppearance ()
```

Return Value

One of the ControlAppearance constants.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getControlStyle Method

Gets a ControlStyle object that allows customizing the visualization of the calendar child controls.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public ControlStyle getControlStyle ()
```

Return Value

An instance of the ControlStyle class.

Remarks

Members of the ControlStyle class let you customize the appearance of the button and scrollbar child controls contained in the calendar control. This property is ignored if getControlAppearance is set to ControlAppearance.System.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getCurrentTime Method

Gets the current time.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public DateTime getCurrentTime ()
```

Return Value

A DateTime object representing the time to use as current.

Remarks

When this property is set to **null**, the actual system time is returned.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getCurrentView Method

Gets the type of the calendar view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public CalendarView getCurrentView ()
```

Return Value

One of the CalendarView constants. The default is **CalendarView.SingleMonth**.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getCustomDraw Method

Gets which UI elements of the calendar should be custom drawn.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public EnumSet<CustomDrawElements> getCustomDraw ()
```

Return Value

A combination of CustomDrawElements constants. The default is an empty set.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getCustomGroupType Method

Gets a runtime type of the resources to group by.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Type getCustomGroupType ()
```

Return Value

A Type object.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getCustomSecondaryGroupType Method

Gets a runtime type of the secondary resources to group by.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Type getCustomSecondaryGroupType ()
```

Return Value

A Type object.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getCustomTheme Method

Gets the custom theme applied to the component.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Theme getCustomTheme ()
```

Return Value

A Theme object specifying the user-defined theme currently applied to the component. The default is null.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getDate Method

Gets the date currently displayed in the calendar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java
`public DateTime getDate ()`

Return Value

A DateTime object. The initial value is DateTime.today.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getDateAt Method

Returns the date of the calendar element located at a specified position.

Overload List

Name	Description
Calendar.getDateAt (Int32, Int32)	Returns the date of the calendar cell located at the specified coordinates.
Calendar.getDateAt (Int32, Int32, ByRef(Rectangle))	Returns the date of the calendar cell located at the specified position and the bounding rectangle of the cell.
Calendar.getDateAt (Point)	Returns the date of the calendar cell located at the specified position.
Calendar.getDateAt (Point, ByRef(Rectangle))	Returns the date of the calendar cell located at the specified position and the bounding rectangle of the cell.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getDateAt Method (Int32, Int32)

Returns the date of the calendar cell located at the specified coordinates.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public DateTime getDateAt (
    int x,
    int y
)
```

Parameters

x
The x-coordinate of the position at which to look for a date.

y
The y-coordinate of the position at which to look for a date.

Return Value

A DateTime instance indicating which date is displayed at the specified position. If there is no date cell at the specified position, the return value is DateTime.MinValue.

See Also

getDateAt Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getDateAt Method (Int32, Int32, ByRef(Rectangle))

Returns the date of the calendar cell located at the specified position and the bounding rectangle of the cell.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public DateTime getDateAt (
    int x,
    int y,
    ByRef<Rectangle> bounds
)
```

Parameters

x
The x-coordinate of the position at which to look for a date.

y
The y-coordinate of the position at which to look for a date.

bounds
The bounding rectangle of the cell at the specified position.

Return Value

A DateTime instance indicating which date is displayed at the specified position. If there is no date cell at the specified position, the return value is DateTime.MinValue.

See Also

getDateAt Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getDateAt Method (Point)

Returns the date of the calendar cell located at the specified position.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public DateTime getDateAt (
    Point point
)
```

Parameters

point
The position at which to look for a date.

Return Value

A DateTime instance indicating which date is displayed at the specified position. If there is no date cell at the specified point, the return value is DateTime.MinValue.

See Also

getDateAt Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getDateAt Method (Point, ByRef(Rectangle))

Returns the date of the calendar cell located at the specified position and the bounding rectangle of the cell.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public DateTime getDateAt (
    Point point,
    ByRef<Rectangle> bounds
)
```

Parameters

point
The position at which to look for a date.

bounds
The bounding rectangle of the cell at the specified position.

Return Value

A DateTime instance indicating which date is displayed at the specified position. If there is no date cell at the specified position, the return value is DateTime.MinValue.

See Also

getDateAt Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getDateTimeInfo Method

Gets a DateTimeInfo object that specifies how to format and display all dates within the calendar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public DateTimeInfo getDateTimeInfo ()
```

Return Value

An instance of the DateTimeInfo class.

Remarks

If this property is not set, the calendar uses a DateTimeInfo from the associated Locale.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getDayOfWeekStyles Method

Gets a collection of DayOfWeekStyle objects that allow customizing the appearance of specific days of the week in the calendar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public DayOfWeekStyleList getDayOfWeekStyles ()
```

Return Value

An instance of the DayOfWeekStyleList class.

Remarks

Add DayOfWeekStyle objects to this collection to specify a distinct style for a day of the week. If several styles are defined for the same day, the one having the highest DayOfWeekStyle.getPriority is used.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getDayStyles Method

Gets a collection of DateStyle objects that allow customizing the appearance of specific days in the calendar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public DateStyleList getDayStyles ()
```

Return Value

An instance of the DateStyleList class.

Remarks

Use this collection to assign a distinct style to a day or a range of days, overriding the default style of the current view. If there are several styles defined for the same day, the one with highest DateStyle.getPriority is used.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getDefaultSize Method

Gets the default size of the component.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Dimension getDefaultSize ()
```

Return Value

A Dimension instance.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getDelayInplaceEdit Method

Gets a value indicating whether the in-place editing of an item is delayed for a second when the item is clicked.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean getDelayInplaceEdit ()
```

Return Value

true to delay in-place editing; otherwise, **false**. The default is **true**.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getDragFeedBackType Method

Gets the type of feedback to provide during drag-and-drop from ItemListView.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public DragFeedBackType getDragFeedBackType ()
```

Return Value

A member of the DragFeedBackType enumeration.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getDragItemsOnDisabledAreas Method

Gets a value indicating whether to update the position of items dragged over areas which do not allow items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean getDragItemsOnDisabledAreas ()
```

Return Value

true to indicate that the modified items will follow the cursor over areas which do not allow items; otherwise, **false**.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getElementBounds Method

Gets the bounding rectangle of a particular calendar element.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Rectangle getElementBounds (
    CalendarElement element,
    int index
)
```

Parameters

element
The type of the element whose bounds to retrieve.

index
The index of the element, if there is more than one element of the specified type.

Return Value

The bounding rectangle of the specified element or an empty rectangle if the element is either not present in the current view or not visible in the current viewport.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getEnableDragCreate Method

Gets a value indicating whether items are created merely by dragging in the control.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public boolean getEnableDragCreate ()
```

Return Value

true to enable interactive item creation when the users clicks and drags in the control; **false** to disable it. The default is **false**.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getEnableKeyboard Method

Gets a value indicating whether the selection can be manipulated through the keyboard.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public boolean getEnableKeyboard ()
```

Return Value

A boolean value specifying whether the selection can be modified through the keyboard. The default is **true**.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getEndDate Method

Gets the last date displayed in the calendar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java
`public DateTime getEndDate ()`

Return Value

A DateTime object. The initial value is set 30 days after getDate.

Remarks

This member is only valid in CalendarView.WeekRange and **CalendarView.ResourceView** views.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getEnsureVisibleSelection Method

Gets a value indicating whether interactively selected cells should be automatically brought into view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java
`public boolean getEnsureVisibleSelection ()`

Return Value

A boolean value specifying whether the component should automatically scroll when the user selects cells outside of the current viewport (by using the keyboard for example).

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getExactDateAt Method

Returns the date located at a specified position.

Overload List

Name	Description

Calendar.getExactDateAt (Int32, Int32)	Returns the date located at the specified coordinates.
Calendar.getExactDateAt (Point)	Returns the date located at the specified position.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getExactDateAt Method (Int32, Int32)

Returns the date located at the specified coordinates.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public DateTime getExactDateAt (
    int x,
    int y
)
```

Parameters

x
The x-coordinate of the position at which to look for a date.

y
The y-coordinate of the position at which to look for a date.

Return Value

A DateTime instance indicating which date is displayed at the specified position. If there is no date at the specified position, the return value is DateTime.MinValue.

Remarks

The returned value represents the exact date located at the specified position in contrast with getDateAt, which returns the start date of the cell, located at the specified position. This method works only in a CalendarView.Timetable view.

See Also

getExactDateAt Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getExactDateAt Method (Point)

Returns the date located at the specified position.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public DateTime getExactDateAt (
    Point point
)
```

Parameters

point
The position at which to look for a date.

Return Value

A DateTime instance indicating which date is displayed at the specified position. If there is no date cell at the specified point, the return value is DateTime.MinValue.

Remarks

The returned value represents the exact date located at the specified position in contrast with getDateAt, which returns the start date of the cell, located at the specified position. This method works only in a CalendarView.Timetable view.

See Also

getExactDateAt Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getFirstDate Method

Gets the first date of the time range displayed in the calendar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public DateTime getFirstDate ()
```

Return Value

A DateTime instance indicating the first date.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getFirstVisibleDate Method

Determines which is the first visible date in the current view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public DateTime getFirstVisibleDate ()
```

Return Value

A DateTime object indicating the first visible date.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getFirstVisibleResource Method

Determines which is the first visible resource in the current view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Resource getFirstVisibleResource ()
```

Return Value

A Resource object representing the first visible resource.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getGraphics Method

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Graphics getGraphics ()
```

Return Value

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getGroupType Method

Gets the grouping criteria for the CalendarView.Timetable, **CalendarView.WeekRange**, **CalendarView.List** and **CalendarView.ResourceView** views.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public GroupType getGroupType ()
```

Return Value

One of the GroupType constants. The default is **GroupType.None**.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getHiddenItemsCursor Method

Gets the cursor that is displayed when the mouse pointer is over the hidden items cue icon.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Cursor getHiddenItemsCursor ()
```

Return Value

On of the Cursor constants. The default is **Cursor.Hand**.

Remarks

The hidden items cue icon is shown if ItemSettings.getShowMoreItemsCue is enabled and there are schedule items that are not currently visible because of insufficient space.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getHScrollerSmallChange Method

Gets the small step for the horizontal scroll bar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public int getHScrollerSmallChange ()
```

Return Value

An integer value representing the small step of the horizontal scroll bar.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getHScrollerVisible Method

Gets a value indicating whether the horizontal scrollbar should always be visible, always hidden or visible only when it is needed.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Boolean getHScrollerVisible ()
```

Return Value

A **Boolean** value specifying the visibility state of the horizontal scrollbar.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getHScrollPos Method

Gets the current horizontal scroll position.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public int getHScrollPos ()
```

Return Value

An integer value specifying the current horizontal scroll position.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getImageList Method

Gets the image list associated with the calendar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public ImageList getImageList ()
```

Return Value

An instance of the ImageList class. The default is **null**.

Remarks

The value of Style.getImageIndex is an index within this list.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getInteractiveItemType Method

Gets the type of item that should be created when a user starts typing while the calendar control has the keyboard focus.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Class<? extends Item> getInteractiveItemType ()
```

Return Value

An instance of **Class** specifying what type of items to create when a user starts typing. The default is Appointment.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getItemAt Method

Gets the Item displayed at a specified position.

Overload List

Name	Description
Calendar.getItemAt (Int32, Int32)	Gets the **Item** object displayed at the specified coordinates.
Calendar.getItemAt (Point)	Gets the **Item** object displayed at the specified coordinates.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getItemAt Method (Int32, Int32)

Gets the Item object displayed at the specified coordinates.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Item getItemAt (
    int x,
    int y
)
```

Parameters

x
The x-coordinate of the point to test.

y
The y-coordinate of the point to test.

Return Value

The scheduled Item displayed at the specified position.

See Also

getItemAt Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getItemAt Method (Point)

Gets the Item object displayed at the specified coordinates.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Item getItemAt (
    Point point
)
```

Parameters

point
The point to test.

Return Value

The scheduled Item displayed at the specified position.

See Also

getItemAt Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getItemBounds Method

Retrieves the bounding rectangle of the specified item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Rectangle getItemBounds (
    Item item
)
```

Parameters

item
A reference to the item whose bounds to retrieve.

Return Value

The visible part of the bounding rectangle of the specified item, expressed in coordinates relative to the control. The return value is an empty rectangle if the item is not visible.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getItemChangeResourceKey Method

Gets the modifier key, which lets users drag items between different contacts, resources, locations or tasks in a grouped view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public int getItemChangeResourceKey ()
```

Return Value

One of the KeyEvent constants. The default is 0.

Remarks

By default an item dragged in a grouped view can be dropped only into a column associated with the original contact, location or task of the item. This behavior can be overridden by pressing a modifier key while dragging. That allows dropping the item into a column of a different contact, location or task, thus changing the original contact, location or task.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getItemCloneKey Method

Gets the modifier key, which when pressed allows users to interactively clone items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public int getItemCloneKey ()
```

Return Value

One of the KeyEvent constants. The default is VK_SHIFT.

Remarks

If the user starts dragging an item (or items) when the key specified as a value of this property is pressed, an exact duplicate of the dragged item is created and the user continues dragging the newly created item instead of the original one.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getItemDragCursor Method

Gets the cursor that is displayed when an item is being dragged.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Cursor getItemDragCursor ()
```

Return Value

One of the Cursor constants. The default is **Cursor.Arrow**.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getItemDragKey Method

Gets the modifier key that lets users start a drag-and-drop operation when they drag an item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public int getItemDragKey ()
```

Return Value

One of the KeyEvent constants. The default is VK_CONTROL.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getItemEffects Method

Gets a collection with all effects applied to the elements of this calendar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public List<ItemEffect> getItemEffects ()
```

Return Value

A list with all currently active item effects.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getItemHResizeCursor Method

Gets the cursor that is displayed when the mouse pointer is over the horizontal resize area of an item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Cursor getItemHResizeCursor ()
```

Return Value

One of the Cursor constants. The default is **Cursor.SizeWE**.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getItemListLane Method

Gets the index of the lane of the specified item within a List view with ListViewSettings.setFreeDrag set to true.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public int getItemListLane (
    Item item
)
```

Parameters

item
A reference to the Item whose lane index to retrieve.

Return Value

The zero-based index of the item lane or -1, if the item is not associated with a lane.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getItemModificationStyle Method

Gets a value indicating the way items are processed when modified interactively.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public ItemModificationStyle getItemModificationStyle ()
```

Return Value

One of the ItemModificationStyle constants. The default is **ItemModificationStyle.InPlace**.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getItemMoveCursor Method

Gets the cursor that is displayed when the mouse pointer is over the move area of an item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Cursor getItemMoveCursor ()
```

Return Value

One of the Cursor constants. The default is **Cursor.SizeAll**.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getItemNoDragCursor Method

Gets the cursor that is displayed when an item is dragged over a location that cannot contain items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Cursor getItemNoDragCursor ()
```

Return Value

One of the Cursor constants. The default is **Cursor.No**.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getItemScroll Method

Gets the current scroll position in a List view with ListViewSettings.setEnableVirtualItemSpace set to true.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public int getItemScroll ()
```

Return Value

An integer value specifying the current scroll bar position.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getItemSelection Method

Gets a list of all selected items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public ItemSelection getItemSelection ()
```

Return Value

An instance of the ItemSelection class representing the currently selected items.

Remarks

Use getSelection to get the collection of all selected time cells.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getItemSettings Method

Gets the ItemSettings object used to customize the visualization of schedule items in all calendar views.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public ItemSettings getItemSettings ()
```

Return Value

An instance of the ItemSettings class.

See Also

Calendar Members
Calendar Class

Calendar.getItemTooltipFormat Method

Gets the format of item tooltips.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public String getItemTooltipFormat ()
```

Return Value

A string specifying the item's tooltip format. The default is "%s[d] %s[t] - %e[d] %e[t]\n%h\n%d".

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getItemVResizeCursor Method

Gets the cursor that is displayed when the mouse pointer is over the vertical resize area of an item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Cursor getItemVResizeCursor ()
```

Return Value

One of the Cursor constants. The default is **Cursor.SizeNS**.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getKeepItemSelection Method

Gets a value indicating whether the item selection is preserved when an item from the selection is clicked.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean getKeepItemSelection ()
```

Return Value

true to preserve the selection when an item from the selection is clicked or false to deselect all items except the one that is clicked.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getLastDate Method

Gets the last date of the time range displayed in the calendar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public DateTime getLastDate ()
```

Return Value

A DateTime instance indicating the last date.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getLastVisibleDate Method

Determines which is the last visible date in the current view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public DateTime getLastVisibleDate ()
```

Return Value

A DateTime object indicating the last visible date.

See Also

Calendar.getLastVisibleResource Method

Determines which is the last visible resource in the current view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Resource getLastVisibleResource ()
```

Return Value

A Resource object representing the first visible resource.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getListLaneAt Method

Retrieves the index of the CalendarView.List view lane at the specified point, expressed in client coordinates.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public int getListLaneAt (
    Point point
)
```

Parameters

point
The point to test, expressed in client coordinates.

Return Value

The zero-based index of the lane at the specified position or -1, if the the point does not lie over a lane.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getListViewSettings Method

Gets the ListViewSettings object used to customize the visualization of the CalendarView.List view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public ListViewSettings getListViewSettings ()
```

Return Value

An instance of the ListViewSettings class.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getLocale Method

Gets the Locale object used to format and display time information in the calendar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Locale getLocale ()
```

Return Value

A **Locale** instance.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getLocationAt Method

Gets the Location object associated with the calendar element at a specified position.

Overload List

Name	Description
Calendar.getLocationAt (Int32, Int32)	Gets the **Location** object associated with the calendar element at the specified point.
Calendar.getLocationAt (Point)	Gets the **Location** object associated with the calendar element at the specified point.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getLocationAt Method (Int32, Int32)

Gets the Location object associated with the calendar element at the specified point.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Location getLocationAt (
    int x,
    int y
)
```

Parameters

x
The x-coordinate of the point to test.

y
The y-coordinate of the point to test.

Return Value

A Location instance related to the calendar element at the specified position.

Remarks

This method can be only be used in views that support grouping.

See Also

getLocationAt Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getLocationAt Method (Point)

Gets the Location object associated with the calendar element at the specified point.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Location getLocationAt (
    Point point
)
```

Parameters

point
The point to test.

Return Value

A Location instance related to the calendar element at the specified position.

Remarks

This method can be only be used in views that support grouping.

See Also

getLocationAt Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getLocations Method

Gets the locations whose schedule to display in the control when getGroupType is GroupType.GroupByLocations.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public ResourceList<Location> getLocations ()
```

Return Value

An instance of the ResourceList class specifying which locations are displayed in timetable, week range and resource views.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getMinItemLength Method

Gets the minimal length of interactively created items, expressed in minutes.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public int getMinItemLength ()
```

Return Value

A non-negative integer value. The default is 0.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getMonthRangeSettings Method

Gets the MonthRangeSettings object used to customize the visualization of a month range in the CalendarView.MonthRange view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public MonthRangeSettings getMonthRangeSettings ()
```

Return Value

An instance of the MonthRangeSettings class.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getMonthSettings Method

Gets the MonthSettings object used to customize the visualization of months in the CalendarView.MonthRange and **CalendarView.SingleMonth** views.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public MonthSettings getMonthSettings ()
```

Return Value

An instance of the MonthSettings class.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getMonthsInYear Method

Returns the number of months in the specified year according to the calendar settings.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public int getMonthsInYear (
    int year
)
```

Parameters

year

Return Value

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getMonthStyles Method

Gets a collection of DateStyle objects that allow customizing the appearance of specific months in the calendar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public DateStyleList getMonthStyles ()
```

Return Value

An instance of the DateStyleList class.

Remarks

Use this collection to assign a distinct style to a month or a range of months, overriding the default style of the current view. If there are several styles defined for the same month, the one with highest DateStyle.getPriority is used.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getPrintOptions Method

Gets a PrintOptions object that allows customizing various aspects of printing.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public PrintOptions getPrintOptions ()
```

Return Value

An instance of the PrintOptions class.

Remarks

Use the PrintOptions members to customize the print output, used both when printing and when displaying print preview.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getRescheduleRecurrenceKey Method

Gets the modifier key, which when pressed allows users to interactively reschedule recurrent items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public int getRescheduleRecurrenceKey ()
```

Return Value

One of the KeyEvent constants. The default is 0.

Remarks

If the user drags a recurrent item when the key specified as a value of this property is pressed, the recurrence is automatically adjusted to match the new item location. Recurrence rescheduling is not recorded in the undo history.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getResourceAt Method

Gets the Resource object associated with the calendar element at a specified position.

Overload List

Name	Description
Calendar.getResourceAt (Int32, Int32)	Gets the **Resource** object associated with the calendar element at the specified point.
Calendar.getResourceAt (Point)	Gets the **Resource** object associated with the calendar element at the specified point.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getResourceAt Method (Int32, Int32)

Gets the Resource object associated with the calendar element at the specified point.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Resource getResourceAt (
    int x,
    int y
)
```

Parameters

x
The x-coordinate of the point to test.

y
The y-coordinate of the point to test.

Return Value

A Resource instance related to the calendar element at the specified position.

Remarks

This method can be only be used in views that support grouping.

See Also

getResourceAt Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getResourceAt Method (Point)

Gets the Resource object associated with the calendar element at the specified point.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Resource getResourceAt (
    Point point
)
```

Parameters

point
The point to test.

Return Value

A Resource instance related to the calendar element at the specified position.

Remarks

This method can be only be used in views that support grouping.

See Also

getResourceAt Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getResources Method

Gets the resources whose schedule to display in the control when getGroupType is GroupType.GroupByResources.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public ResourceList<Resource> getResources ()
```

Return Value

An instance of the ResourceList class specifying which resources are displayed in timetable, week range and resource views.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getResourceViewSettings Method

Gets the ResourceViewSettings object used to customize the visualization of a CalendarView.ResourceView view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public ResourceViewSettings getResourceViewSettings ()
```

Return Value

An instance of the ResourceViewSettings class.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getRightToLeft Method

Gets a value indicating whether control's elements are laid out from right to left.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public boolean getRightToLeft ()
```

Return Value

true to specify that the calendar should layout its components from right to left; otherwise, false.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getRowHeaderResizeCursor Method

Gets the cursor that is displayed when a row header can be resized or is being resized in a CalendarView.ResourceView view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Cursor getRowHeaderResizeCursor ()
```

Return Value

One of the Cursor constants. The default is **Cursor.VSplit**.

Remarks

To let users resize the row header in a resource view, set ResourceViewSettings.setAllowResizeRowHeaders to **true**.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getSchedule Method

Gets the schedule whose information should be displayed inside the calendar component.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Schedule getSchedule ()
```

Return Value

A Schedule object providing the schedule data displayed in the calendar view.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getScrollPosition Method

Gets the current scroll position.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Point getScrollPosition ()
```

Return Value

A Point object specifying the scroll position.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getSecondaryGroupType Method

Gets the secondary grouping criteria for the CalendarView.ResourceView view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public GroupType getSecondaryGroupType ()
```

Return Value

One of the GroupType constants. The default is **GroupType.None**.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getSelection Method

Gets a Selection object representing the current selection in the calendar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Selection getSelection ()
```

Return Value

An instance of the Selection class representing the selection of time cells.

Remarks

Use getItemSelection to get the selected items.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getShowToolTips Method

Gets a value indicating whether the calendar displays tooltips.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public boolean getShowToolTips ()
```

Return Value

true to display tooltips; otherwise, **false**. The default is **false**.

Remarks

Tooltips can be displayed for schedule items and for the headers of the timetable view.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getStartEditAfterModify Method

Gets a value indicating whether in-place editing of items should automatically start after they are modified interactively.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java
`public boolean getStartEditAfterModify ()`

Return Value

true to enable automatic in-place editing after item modification; **false** to disable it. The default is **false**.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getTaskAt Method

Gets the Task object associated with the calendar element at a specified position.

Overload List

Name	Description
Calendar.getTaskAt (Int32, Int32)	Gets the **Task** object associated with the calendar element at the specified point.
Calendar.getTaskAt (Point)	Gets the **Task** object associated with the calendar element at the specified point.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getTaskAt Method (Int32, Int32)

Gets the Task object associated with the calendar element at the specified point.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

`public Task getTaskAt (`
`  int x,`
`  int y`
`)`

Parameters

x
The x-coordinate of the point to test.

y

The y-coordinate of the point to test.

Return Value

A Task instance related to the calendar element at the specified position.

Remarks

This method can be only be used in views that support grouping.

See Also

getTaskAt Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getTaskAt Method (Point)

Gets the Task object associated with the calendar element at the specified point.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Task getTaskAt (
    Point point
)
```

Parameters

point
The point to test.

Return Value

A Task instance related to the calendar element at the specified position.

Remarks

This method can be only be used in views that support grouping.

See Also

getTaskAt Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getTasks Method

Gets the tasks whose schedule to display in the control when getGroupType is GroupType.GroupByTasks.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public ResourceList<Task> getTasks ()
```

Return Value

An instance of the ResourceList class specifying which tasks are displayed in timetable, week range and resource views.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getTheme Method

Gets the theme applied to the calendar control UI elements.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public ThemeType getTheme ()
```

Return Value

One of the ThemeType constants. The default is **ThemeType.Standard**.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getTimetableSettings Method

Gets the TimetableSettings object used to customize the visualization of days and hours in CalendarView.Timetable view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public TimetableSettings getTimetableSettings ()
```

Return Value

An instance of the TimetableSettings class.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getVisibleItems Method

Retrieves a collection with all currently visible items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public ItemList getVisibleItems ()
```

Return Value

An ItemList containing all items currently visible within the control. The collection is empty if there are no visible items.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getVScrollerSmallChange Method

Gets the small step for the vertical scroll bar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public int getVScrollerSmallChange ()
```

Return Value

An integer value representing the small step of the vertical scroll bar.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getVScrollerVisible Method

Gets a value indicating whether the vertical scrollbar should always be visible, always hidden or visible only when it is needed.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Boolean getVScrollerVisible ()
```

Return Value

A **Boolean** value specifying the visibility state of the vertical scrollbar.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getVScrollPos Method

Gets the current vertical scroll position.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public int getVScrollPos ()
```

Return Value

An integer value specifying the current vertical scroll position.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.getWeekRangeSettings Method

Gets the WeekRangeSettings object used to customize the visualization of weeks in a CalendarView.WeekRange view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java
`public WeekRangeSettings getWeekRangeSettings ()`

Return Value

An instance of the WeekRangeSettings class.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.invalidate Method

Overload List

Name	Description
Calendar.invalidate ()	An auxiliary method that requests the component to be repainted.
Calendar.invalidate (Int32, Int32, Int32, Int32)	An auxiliary method that requests a portion of the component to be repainted.
Calendar.invalidate (Rectangle)	An auxiliary method that requests a portion of the component to be repainted.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.invalidate Method ()

An auxiliary method that requests the component to be repainted.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java
`public void invalidate ()`

See Also

invalidate Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.invalidate Method (Int32, Int32, Int32, Int32)

An auxiliary method that requests a portion of the component to be repainted.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void invalidate (
    int x,
    int y,
    int width,
    int height
)
```

Parameters

x

y

width

height

See Also

invalidate Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.invalidate Method (Rectangle)

An auxiliary method that requests a portion of the component to be repainted.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void invalidate (
    Rectangle rect
)
```

Parameters

rect

See Also

invalidate Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.isResourceRowExpanded Method

Checks whether the row associated with a specified resource or resources in a Resource view is expanded.

Overload List

Name	Description
Calendar.isResourceRowExpanded (Resource)	Checks whether the row associated with the specified Contact, Location, Task or Resource in a **CalendarView.ResourceView** view is expanded.
Calendar.isResourceRowExpanded (Resource[])	Checks whether the row associated with the specified resources in a Resource view is expanded.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.isResourceRowExpanded Method (Resource)

Checks whether the row associated with the specified Contact, Location, Task or Resource in a CalendarView.ResourceView view is expanded.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean isResourceRowExpanded (
    Resource resource
)
```

Parameters

resource
A reference to the Contact, Location, Task or Resource object to be checked.

Return Value

Returns **true** if the associated row is expanded or **false** if either the row is collapsed, there is no such row or the current view is not a ResourceView.

See Also

isResourceRowExpanded Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.isResourceRowExpanded Method (Resource[])

Checks whether the row associated with the specified resources in a Resource view is expanded.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean isResourceRowExpanded (
    Resource[] resources
)
```

Parameters

resources
A list with Resource objects defining the row to check.

Return Value

true if the associated row is expanded; **false** if either the row is collapsed, there is no such row or the current view is not a CalendarView.ResourceView.

See Also

isResourceRowExpanded Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onBeginItemDrawing Method

Raises the CalendarListener.beginItemDrawing event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void onBeginItemDrawing (
    EventObject e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onCustomizeGrouping Method

Raises the CalendarListener.customizeGrouping event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
protected void onCustomizeGrouping (
    CustomizeGroupingEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onCustomizeText Method

Raises the CalendarListener.customizeText event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
protected void onCustomizeText (
    CalendarTextEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onDateClick Method

Raises the CalendarListener.dateClick event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void onDateClick (
    ResourceDateEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onDraw Method

Raises the CalendarListener.draw event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void onDraw (
    CalendarDrawEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onDrawing Method

Raises the CalendarListener.drawing event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void onDrawing (
    CalendarDrawEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onEndItemDrawing Method

Raises the CalendarListener.endItemDrawing event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void onEndItemDrawing (
    EventObject e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onHiddenItemClick Method

Raises the CalendarListener.hiddenItemClick event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void onHiddenItemClick (
    DateEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onHScroll Method

Raises the CalendarListener.hScroll event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void onHScroll (
    ScrollEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onItemClick Method

Raises the CalendarListener.itemClick event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void onItemClick (
    ItemMouseEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar.onItemCloned Method

Raises the CalendarListener.itemCloned event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void onItemCloned (
    ItemEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onItemCloning Method

Raises the CalendarListener.itemCloning event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void onItemCloning (
    ItemConfirmEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onItemCreated Method

Raises the CalendarListener.itemCreated event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void onItemCreated (
    ItemEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onItemCreating Method

Raises the CalendarListener.itemCreating event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void onItemCreating (
    ItemConfirmEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onItemCreationCanceled Method

Raises the CalendarListener.itemCreationCanceled event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void onItemCreationCanceled (
    ItemEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onItemDeleted Method

Raises the CalendarListener.itemDeleted event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void onItemDeleted (
    ItemEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onItemDeleting Method

Raises the CalendarListener.itemDeleting event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void onItemDeleting (
    ItemConfirmEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onItemDeselecting Method

Raises the CalendarListener.itemDeselecting event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void onItemDeselecting (
    ItemConfirmEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onItemDrawing Method

Raises the CalendarListener.itemDrawing event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void onItemDrawing (
    CalendarDrawEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onItemInplaceEdited Method

Raises the CalendarListener.itemInplaceEdited event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
protected void onItemInplaceEdited (
    ItemEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onItemInplaceEditEnding Method

Raises the CalendarListener.itemInplaceEditEnding event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
protected void onItemInplaceEditEnding (
    ItemEditConfirmEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onItemInplaceEditStarting Method

Raises the CalendarListener.itemInplaceEditStarting event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void onItemInplaceEditStarting (
    ItemConfirmEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onItemListLaneChanged Method

Raises the CalendarListener.itemListLaneChanged event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void onItemListLaneChanged (
    ItemListLaneChangedEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onItemModificationCanceled Method

Raises the CalendarListener.itemModificationCanceled event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void onItemModificationCanceled (
    ItemEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onItemModified Method

Raises the CalendarListener.itemModified event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void onItemModified (
    ItemModifiedEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onItemModifying Method

Raises the CalendarListener.itemModifying event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void onItemModifying (
    ItemModifyConfirmEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onItemPasted Method

Raises the CalendarListener.itemPasted event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void onItemPasted (
    ItemEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onItemPasting Method

Raises the CalendarListener.itemPasting event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void onItemPasting (
    ItemConfirmEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onItemSelecting Method

Raises the CalendarListener.itemSelecting event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void onItemSelecting (
    ItemConfirmEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onItemSelectionChanged Method

Raises the CalendarListener.itemSelectionChanged event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void onItemSelectionChanged (
    ItemSelectionEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onItemSelectionComplete Method

Raises the CalendarListener.itemSelectionComplete event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
protected void onItemSelectionComplete (
    EventObject e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onItemsModified Method

Raises the CalendarListener.itemsModified event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
protected void onItemsModified (
    ItemsEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onItemTooltipDisplaying Method

Raises the CalendarListener.itemTooltipDisplaying event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void onItemTooltipDisplaying (
    ItemTooltipEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onListViewHeaderClick Method

Raises the CalendarListener.listViewHeaderClick event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void onListViewHeaderClick (
    DateEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onMonthCellClick Method

Raises the CalendarListener.monthCellClick event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void onMonthCellClick (
    DateEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onMonthHeaderClick Method

Raises the CalendarListener.monthHeaderClick event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void onMonthHeaderClick (
    DateEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onMonthRangeHeaderClick Method

Raises the CalendarListener.monthRangeHeaderClick event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
protected void onMonthRangeHeaderClick (
    DateEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onMonthWeekHeaderClick Method

Raises the CalendarListener.monthWeekHeaderClick event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
protected void onMonthWeekHeaderClick (
    DateEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onNavigationKeyPress Method

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public boolean onNavigationKeyPress (
    int keyData
```

```
)
```

Parameters

keyData

Return Value

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onRecurringItemDeleting Method

Raises the CalendarListener.recurringItemDeleting event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void onRecurringItemDeleting (
    RecurringItemConfirmEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onResourceViewBottomTimelineClick Method

Raises the CalendarListener.resourceViewBottomTimelineClick event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void onResourceViewBottomTimelineClick (
    DateEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onResourceViewMiddleTimelineClick Method

Raises the CalendarListener.resourceViewMiddleTimelineClick event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void onResourceViewMiddleTimelineClick (
    DateEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onResourceViewRowHeaderClick Method

Raises the CalendarListener.resourceViewRowHeaderClick event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void onResourceViewRowHeaderClick (
    ResourceDateEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onResourceViewTopTimelineClick Method

Raises the CalendarListener.resourceViewTopTimelineClick event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void onResourceViewTopTimelineClick (
    DateEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onScroll Method

Raises the CalendarListener.scroll event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void onScroll (
    EventObject e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onTimetableColumnHeaderClick Method

Raises the CalendarListener.timetableColumnHeaderClick event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void onTimetableColumnHeaderClick (
    DateEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onTooltipDisplaying Method

Raises the CalendarListener.tooltipDisplaying event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void onTooltipDisplaying (
    TooltipEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onVisibleDateChanged Method

Raises the CalendarListener.visibleDateChanged event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
protected void onVisibleDateChanged (
    DateChangedEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onVScroll Method

Raises the CalendarListener.vScroll event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
protected void onVScroll (
    ScrollEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.onWeekRangeHeaderClick Method

Raises the CalendarListener.weekRangeHeaderClick event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
```

```
protected void onWeekRangeHeaderClick (
    DateEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.paintComponent Method

JComponent.paintComponent override.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void paintComponent (
    Graphics g
)
```

Parameters

g
The **Graphics** object to paint to.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.pasteFromClipboard Method

Overload List

Name	Description
Calendar.pasteFromClipboard ()	Pastes items from the clipboard at the current selection.
Calendar.pasteFromClipboard (DateTime, Resource)	Pastes items from the clipboard at the specified date and resource.

See Also

Calendar.pasteFromClipboard Method ()

Pastes items from the clipboard at the current selection.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void pasteFromClipboard ()
```

Remarks

Pastes items from the clipboard into the calendar at the currently selected date and resource. If no date range is selected, the items are added using their original scheduled times; otherwise, they are offset relative to the start of the selection to maintain their relative positions.

The itemPasting event serves as a validation hook, allowing you to inspect each item before it is added to the schedule and optionally skip specific items by setting the Confirm property to **false**.

See Also

pasteFromClipboard Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace
Selection Property
copyToClipboard Method
cutToClipboard Method
itemPasted Event

Calendar.pasteFromClipboard Method (DateTime, Resource)

Pastes items from the clipboard at the specified date and resource.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void pasteFromClipboard (
    DateTime date,
    Resource resource
)
```

Parameters

date
The date.

resource
The resource.

Remarks

Pastes items from the clipboard at the specified date and associates them with the provided resource. If a date is specified, the items are shifted relative to the clipboard's reference date to preserve their relative timing; if the date is **null**, items are pasted using their original start and end times.

The itemPasting event serves as a validation hook, allowing you to inspect each item before it is added to the schedule and optionally skip specific items by setting the Confirm property to **false**.

See Also

pasteFromClipboard Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.print Method

Prints the calendar.

Overload List

Name	Description
Calendar.print ()	Prints the current calendar using the default format and printer.
Calendar.print (Graphics, PageFormat, Int32)	**Printable.print** implementation.
Calendar.print (PageFormat, String)	Prints the current calendar using the specified page format.
Calendar.print (String)	Prints the current calendar using the default format.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.print Method ()

Prints the current calendar using the default format and printer.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java
`public void print ()`

See Also

print Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.print Method (Graphics, PageFormat, Int32)

Printable.print implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public int print (
    Graphics graphics,
    PageFormat pageFormat,
    int pageIndex
)
```

Parameters

graphics

pageFormat

pageIndex

Return Value

See Also

print Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.print Method (PageFormat, String)

Prints the current calendar using the specified page format.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void print (
    PageFormat pageFormat,
    String printer
)
```

Parameters

pageFormat
The size and orientation of each page to be printed.

printer
The destination printer.

See Also

print Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.print Method (String)

Prints the current calendar using the default format.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void print (
    String printer
)
```

Parameters

printer
The destination printer.

See Also

print Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.printPreview Method

Displays a print preview of the calendar.

Overload List

Name	Description
Calendar.printPreview ()	Displays a print preview window, that shows how the calendar would look when printed on paper. The preview is rendered with the same settings that are used for printing, assigned via getPrintOptions. That ensures uniform output of the printed document both on paper and in the preview window. Print job settings include document title and several flags that control whether images, shadows, headers, etc. are printed.

Calendar.printPreview (PageFormat)	Displays a print preview window, that shows how the calendar would look when printed on paper. The preview is rendered with the same settings that are used for printing, assigned via **getPrintOptions**. That ensures uniform output of the printed document both on paper and in the preview window. Print job settings include document title and several flags that control whether images, shadows, headers, etc. are printed.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.printPreview Method ()

Displays a print preview window, that shows how the calendar would look when printed on paper. The preview is rendered with the same settings that are used for printing, assigned via getPrintOptions. That ensures uniform output of the printed document both on paper and in the preview window. Print job settings include document title and several flags that control whether images, shadows, headers, etc. are printed.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void printPreview ()
```

See Also

printPreview Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.printPreview Method (PageFormat)

Displays a print preview window, that shows how the calendar would look when printed on paper. The preview is rendered with the same settings that are used for printing, assigned via getPrintOptions. That ensures uniform output of the printed document both on paper and in the preview window. Print job settings include document title and several flags that control whether images, shadows, headers, etc. are printed.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void printPreview (
    PageFormat pageFormat
)
```

Parameters

pageFormat

See Also

printPreview Method Overload List
Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.raiseTimelineUnitsChanged Method

Raises the CalendarListener.timeLineUnitsChanged event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void raiseTimelineUnitsChanged (
    EventObject e
)
```

Parameters

e
An object, containing the event data.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.removeCalendarListener Method

Removes the specified CalendarListener from the calendar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void removeCalendarListener (
    CalendarListener listener
)
```

Parameters

listener
The listener to be removed.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.resetDrag Method

If there is a mouse drag operation in progress, it is canceled.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void resetDrag ()
```

Remarks

Call this method if a message box or a modal dialog must be displayed in response to various Click events, to prevent the component from continuing tracking the mouse.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.resumeDrag Method

Resumes the previously paused mouse drag operation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void resumeDrag ()
```

Remarks

Use this method in conjunction with the suspendDrag method to temporarily disable control response to user interactions. The most common scenario where you would use these two methods is when you want to display a modal dialog during user interaction without terminating it.

See Also

Calendar Members
Calendar Class

com.mindfusion.scheduling Namespace

Calendar.setAllowAutoScroll Method

Sets a value indicating whether the control scrolls automatically its contents when users drag items near the edge of the client rectangle.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setAllowAutoScroll (
    boolean value
)
```

Parameters

value
true to enable automatic scrolling; otherwise, **false**.

Remarks

Automatic scrolling starts when a schedule item or a selection of items is dragged near the borders of the calendar contents rectangle. The contents rectangle is the part of a calendar view that contains all time cells and excludes the headers. If the mouse is moved outside the contents rectangle, the scrolling stops.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setAllowDrag Method

Sets a value indicating whether the user can initiate a drag operation within the component.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setAllowDrag (
    boolean value
)
```

Parameters

value
true, to enable dragging within the component; otherwise, **false**.

See Also

Calendar.setAllowInplaceCreate Method

Sets a value indicating whether users are allowed to create items interactively.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setAllowInplaceCreate (
    boolean value
)
```

Parameters

value
true to allow users to create schedule items; otherwise, **false**.

Remarks

If this property is disabled, users cannot create items interactively. If it is enabled and getInteractiveItemType is not **null**, a new schedule item of the specified type is created when users start typing in a time cell. This raises the CalendarListener.itemCreating event, which lets the client application validate the operation or cancel it.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setAllowInplaceEdit Method

Sets a value indicating whether users are allowed to edit items interactively.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setAllowInplaceEdit (
    boolean value
)
```

Parameters

value
true to allow users to edit schedule items; otherwise, **false**.

Remarks

If this method is invoked with false, users cannot edit items' text interactively. Controlling the editing of item text can be done by handling the CalendarListener.itemInplaceEditStarting and CalendarListener.itemInplaceEditEnding events.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setAllowMoveUnselectedItems Method

Sets a value indicating whether users are allowed to move unselected items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setAllowMoveUnselectedItems (
    boolean value
)
```

Parameters

value
true if users are allowed to move unselected items, or **false** otherwise.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setButtonOffset Method

Sets the offset of the navigation buttons, displayed in the views' headers.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setButtonOffset (
    int value
)
```

Parameters

value
An integer value specifying how many pixels there are between a button and header edges.

Remarks

The buttons get smaller if the value of this property is increased.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setButtonSize Method

Sets the size of the navigation buttons, displayed in the views' headers.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setButtonSize (
    int value
)
```

Parameters

value
An integer value specifying the size of the navigation buttons displayed in the CalendarView.List, **CalendarView.SingleMonth**, **CalendarView.MonthRange** and **CalendarView.Timetable** views.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setCalendarCursor Method

Sets the cursor that is displayed when the mouse pointer is over the calendar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setCalendarCursor (
    Cursor value
)
```

Parameters

value
One of the Cursor constants.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setColumnResizeCursorH Method

Sets the cursor that is displayed when a column can be resized or is being resized in a horizontal CalendarView.Timetable view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setColumnResizeCursorH (
    Cursor value
)
```

Parameters

value
One of the Cursor constants.

Remarks

To let users resize the columns in a timetable view, set TimetableSettings.setAllowResizeColumns to true.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setColumnResizeCursorV Method

Sets the cursor that is displayed when a column can be resized or is being resized in a vertical CalendarView.Timetable view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setColumnResizeCursorV (
    Cursor value
)
```

Parameters

value
One of the Cursor constants.

Remarks

To let users resize the columns in a timetable view, set TimetableSettings.setAllowResizeColumns to true.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setComponentOrientation Method

Component.setComponentOrientation override.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setComponentOrientation (
    ComponentOrientation o
)
```

Parameters

o

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setContactNameFormat Method

Sets how to format and display contact names.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setContactNameFormat (
    String value
)
```

Parameters

value
A string specifying the name format.

Remarks

Use the capital letters F, M and L as placeholders for the First, Middle and Last names. Any other character will be displayed unchanged.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setControlAppearance Method

Gets the visual style of the calendar child controls.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setControlAppearance (
    ControlAppearance value
)
```

Parameters

value
One of the ControlAppearance constants. Set to **null** to use the corresponding value from the current theme.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setCurrentTime Method

Sets the current time.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setCurrentTime (
    DateTime value
)
```

Parameters

value
A DateTime object representing the time to use as current.

Remarks

When this property is set to **null**, the actual system time is returned.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setCurrentView Method

Sets the type of the calendar view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setCurrentView (
    CalendarView value
)
```

Parameters

value
One of the CalendarView constants.

Remarks

The component can display the schedule data in several different types of views. This method allows changing the current view and can be used to implement drill down into the schedule data by switching from more general to more specialized views.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setCustomDraw Method

Sets which UI elements of the calendar should be custom drawn.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setCustomDraw (
    EnumSet<CustomDrawElements> value
)
```

Parameters

value
A combination of CustomDrawElements constants.

Remarks

Use the bitwise **or** operation to combine members of CustomDrawElements specifying which elements of the view must be custom drawn. Handle the CalendarListener.draw event to perform custom drawing.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setCustomGroupType Method

Sets a runtime type of the resources to group by.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setCustomGroupType (
    Type value
)
```

Parameters

value
A Type object.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setCustomSecondaryGroupType Method

Sets a runtime type of the secondary resources to group by.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setCustomSecondaryGroupType (
    Type value
)
```

Parameters

value
A Type object.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setCustomTheme Method

Sets the custom theme applied to the component.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setCustomTheme (
    Theme value
)
```

Parameters

value
A Theme object specifying the user-defined theme currently applied to the component.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setDate Method

Sets the date currently displayed in the calendar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setDate (
    DateTime value
)
```

Parameters

value
A DateTime object..

Remarks

This value is not used in a timetable view. To specify the dates displayed in timetable view, use TimetableSettings.getDates.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setDateTimeFormat Method

Sets a DateTimeInfo object that specifies how to format and display all dates within the calendar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setDateTimeFormat (
    DateTimeInfo value
)
```

Parameters

value
An instance of the DateTimeInfo class.

Remarks

If this property is not set, the calendar uses a DateTimeInfo from the associated **Locale**.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setDelayInplaceEdit Method

Sets a value indicating whether the in-place editing of an item is delayed for a second when the item is clicked.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setDelayInplaceEdit (
    boolean value
)
```

Parameters

value

true to delay in-place editing; otherwise, **false**.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setDragFeedBackType Method

Sets the type of feedback to provide during drag-and-drop from ItemListView.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setDragFeedBackType (
    DragFeedBackType type
)
```

Parameters

type

A member of the DragFeedBackType enumeration.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setDragItemsOnDisabledAreas Method

Sets a value indicating whether to update the position of items dragged over areas which do not allow items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setDragItemsOnDisabledAreas (
    boolean value
)
```

Parameters

value

true to indicate that the modified items will follow the cursor over areas which do not allow items; otherwise, **false**.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setEnableDragCreate Method

Sets a value indicating whether items are created merely by dragging in the control.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setEnableDragCreate (
    boolean value
)
```

Parameters

value
true to enable interactive item creation when the users clicks and drags in the control; **false** to disable it. The default is **false**.

Remarks

By default, the items are created interactively by selecting a time range in the current view and typing. Invoking this method and passing **true** as an argument overrides this behavior and enables users to create items by clicking and dragging.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setEnableKeyboard Method

Sets a value indicating whether the selection can be manipulated through the keyboard.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setEnableKeyboard (
    boolean value
)
```

Parameters

value

A boolean value specifying whether the selection can be modified through the keyboard. The default is **true**.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setEndDate Method

Sets the last date displayed in the calendar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setEndDate (
    DateTime value
)
```

Parameters

value
A DateTime object.

Remarks

This member is only valid in CalendarView.WeekRange and **CalendarView.ResourceView** views.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setEnsureVisibleSelection Method

Sets a value indicating whether interactively selected cells should be automatically brought into view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setEnsureVisibleSelection (
    boolean value
)
```

Parameters

value

A boolean value specifying whether the component should automatically scroll when the user selects cells outside of the current viewport (by using the keyboard for example).

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setGroupType Method

Sets the grouping criteria for the CalendarView.Timetable, **CalendarView.WeekRange**, **CalendarView.List** and **CalendarView.ResourceView** views.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setGroupType (
    GroupType value
)
```

Parameters

value
One of the GroupType constants.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setHiddenItemsCursor Method

Sets the cursor that is displayed when the mouse pointer is over the hidden items cue icon.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setHiddenItemsCursor (
    Cursor value
)
```

Parameters

value
On of the Cursor constants.

Remarks

The hidden items cue icon is shown if ItemSettings.getShowMoreItemsCue is enabled and there are schedule items that are not currently visible because of insufficient space.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setHScrollerSmallChange Method

Sets the small step for the horizontal scroll bar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setHScrollerSmallChange (
    int value
)
```

Parameters

value
An integer value representing the small step of the horizontal scroll bar.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setHScrollerVisible Method

Sets a value indicating whether the horizontal scrollbar should always be visible, always hidden or visible only when it is needed.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setHScrollerVisible (
    Boolean value
)
```

Parameters

value
A **Boolean** value specifying the visibility state of the horizontal scrollbar.

Remarks

Specify **false** for this method to always hide the scrollbar, **true**, to always show it and **null** to let the **Calendar** component decide when to show the scrollbar.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setHScrollPos Method

Sets the current horizontal scroll position.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setHScrollPos (
    int value
)
```

Parameters

value
An integer value specifying the current horizontal scroll position.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setImageList Method

Sets the image list associated with the calendar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setImageList (
    ImageList value
)
```

Parameters

value
An instance of the ImageList class.

Remarks

The value of Style.getImageIndex is an index within this list.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setInteractiveItemType Method

Sets the type of item that should be created when a user starts typing while the calendar control has the keyboard focus.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setInteractiveItemType (
    Class<? extends Item> value
)
```

Parameters

value
An instance of **Class** specifying what type of items to create when a user starts typing. The default is Appointment.

Remarks

If set to **null**, users cannot create items interactively.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setItemChangeResourceKey Method

Sets the modifier key, which lets users drag items between different contacts, resources, locations or tasks in a grouped view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setItemChangeResourceKey (
    int value
)
```

Parameters

value
One of the KeyEvent constants.

Remarks

By default an item dragged in a grouped view can be dropped only into a column associated with the original contact, location or task of the item. This behavior can be overridden by pressing a modifier key while dragging. That allows dropping the item into a column of a different contact, location or task, thus changing the original contact, location or task.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setItemCloneKey Method

Sets the modifier key, which when pressed allows users to interactively clone items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setItemCloneKey (
    int value
)
```

Parameters

value
One of the KeyEvent constants. The default is VK_SHIFT.

Remarks

If the user starts dragging an item (or items) when the key specified as a value of this property is pressed, an exact duplicate of the dragged item is created and the user continues dragging the newly created item instead of the original one.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setItemDragCursor Method

Sets the cursor that is displayed when an item is being dragged.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setItemDragCursor (
    Cursor value
)
```

Parameters

value
One of the Cursor constants.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setItemDragKey Method

Sets the modifier key that lets users start a drag-and-drop operation when they drag an item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setItemDragKey (
    int value
)
```

Parameters

value
One of the KeyEvent constants.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setItemHResizeCursor Method

Sets the cursor that is displayed when the mouse pointer is over the horizontal resize area of an item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setItemHResizeCursor (
    Cursor value
)
```

Parameters

value
One of the Cursor constants.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setItemListLane Method

Sets the lane index for the specified item within a List view with ListViewSettings.setFreeDrag set to true.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setItemListLane (
    Item item,
    int lane
)
```

Parameters

item
A reference to the Item whose lane index to set.

lane
The zero-based index of the new item lane.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setItemModificationStyle Method

Sets a value indicating the way items are processed when modified interactively.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setItemModificationStyle (
    ItemModificationStyle value
)
```

Parameters

value
One of the ItemModificationStyle constants. The default is **ItemModificationStyle.InPlace**.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setItemMoveCursor Method

Sets the cursor that is displayed when the mouse pointer is over the move area of an item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setItemMoveCursor (
    Cursor value
)
```

Parameters

value
One of the Cursor constants.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setItemNoDragCursor Method

Sets the cursor that is displayed when an item is dragged over a location that cannot contain items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setItemNoDragCursor (
    Cursor value
)
```

Parameters

value
One of the Cursor constants.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setItemScroll Method

Sets the current scroll position in a List view with ListViewSettings.setEnableVirtualItemSpace set to true.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setItemScroll (
    int value
)
```

Parameters

value
An integer value specifying the current scroll bar position.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setItemTooltipFormat Method

Gets the format of item tooltips.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setItemTooltipFormat (
    String value
)
```

Parameters

value
A string specifying the item's tooltip format.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setItemVResizeCursor Method

Sets the cursor that is displayed when the mouse pointer is over the vertical resize area of an item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setItemVResizeCursor (
    Cursor value
)
```

Parameters

value
One of the Cursor constants.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setKeepItemSelection Method

Sets a value indicating whether the item selection is preserved when an item from the selection is clicked.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setKeepItemSelection (
    boolean value
)
```

Parameters

value
true to preserve the selection when an item from the selection is clicked or false to deselect all items except the one that is clicked.

Remarks

If the property is set to **false**, only the clicked item is selected.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setLicenseKey Method

Sets the license key of the control.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public static void setLicenseKey (
    String licenseKey
)
```

Parameters

licenseKey
A string value.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setLocale Method

Sets the Locale object used to format and display time information in the calendar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setLocale (
    Locale value
)
```

Parameters

value
A **Locale** instance.

Remarks

Setting the culture info results in reinitialization of all culture-specific properties, such as day and month names, first day of the week, and so on.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setMinItemLength Method

Gets the minimal length of interactively created items, expressed in minutes.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setMinItemLength (
    int value
)
```

Parameters

value
A non-negative integer value.

Remarks

Specify 0 for no item length restrictions.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setRescheduleRecurrenceKey Method

Sets the modifier key, which when pressed allows users to interactively reschedule recurrent items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setRescheduleRecurrenceKey (
    int value
)
```

Parameters

value
One of the KeyEvent constants.

Remarks

If the user drags a recurrent item when the key specified as a value of this property is pressed, the recurrence is automatically adjusted to match the new item location. Recurrence rescheduling is not recorded in the undo history.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setRightToLeft Method

Sets a value indicating whether control's elements are laid out from right to left.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setRightToLeft (
    boolean value
)
```

Parameters

value
true to specify that the calendar should layout its components from right to left; otherwise, false.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setRowHeaderResizeCursor Method

Sets the cursor that is displayed when a row header can be resized or is being resized in a CalendarView.ResourceView view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setRowHeaderResizeCursor (
    Cursor value
)
```

Parameters

value
One of the Cursor constants.

Remarks

To let users resize the row header in a resource view, set ResourceViewSettings.setAllowResizeRowHeaders to **true**.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setSchedule Method

Sets the schedule whose information should be displayed inside the calendar component.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setSchedule (
    Schedule value
)
```

Parameters

value
A Schedule object providing the schedule data displayed in the calendar view.

Remarks

You can easily substitute the schedule being displayed by the control at any time by simply assigning a new Schedule object using this method. You can also make two or more Calendar components display the same schedule.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setScrollPosition Method

Sets the current scroll position.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setScrollPosition (
    Point value
)
```

Parameters

value
A **Point** object specifying the scroll position.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setSecondaryGroupType Method

Sets the secondary grouping criteria for the CalendarView.ResourceView view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setSecondaryGroupType (
    GroupType value
)
```

Parameters

value
One of the GroupType constants.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setShowToolTips Method

Sets a value indicating whether the calendar displays tooltips.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setShowToolTips (
    boolean value
)
```

Parameters

value
true to display tooltips; otherwise, **false**.

Remarks

Tooltips can be displayed for schedule items and for the headers of the timetable view.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setStartEditAfterModify Method

Sets a value indicating whether in-place editing of items should automatically start after they are modified interactively.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setStartEditAfterModify (
    boolean value
)
```

Parameters

value
true to enable automatic in-place editing after item modification; **false** to disable it.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setTheme Method

Sets the theme applied to the calendar control UI elements.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setTheme (
    ThemeType value
)
```

Parameters

value
One of the ThemeType constants.

Remarks

You cannot specify the value ThemeType.Custom for this property. In order to apply a custom theme, either assign the theme using the setCustomTheme method of the **Calendar** component or pass it as an argument to the applyTheme method.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setViewport Method

Sets the displayed time interval to the specified range, optionally changing the view resolution. If the interval is outside of the view range, the view range is expanded to include the interval.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setViewport (
    DateTime start,
    DateTime end,
    boolean adjustResolution
)
```

Parameters

start
The start of the interval to display.

end
The end of the interval to display.

adjustResolution
true to change the view resolution if necessary; **false** to keep the current resolution and adjust only the scale.

Remarks

This method operates only in Resource view. In addition, the resource view must not have hidden days or hours.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setVScrollerSmallChange Method

Sets the small step for the vertical scroll bar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setVScrollerSmallChange (
    int value
)
```

Parameters

value
An integer value representing the small step of the vertical scroll bar.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setVScrollerVisible Method

Sets a value indicating whether the vertical scrollbar should always be visible, always hidden or visible only when it is needed.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setVScrollerVisible (
    Boolean value
)
```

Parameters

value
A **Boolean** value specifying the visibility state of the vertical scrollbar.

Remarks

Specify **false** for this method to always hide the scrollbar, **true**, to always show it and **null** to let the **Calendar** component decide when to show the scrollbar.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.setVScrollPos Method

Sets the current vertical scroll position.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setVScrollPos (
    int value
)
```

Parameters

value
An integer value specifying the current vertical scroll position.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.snapInResourceView Method

Returns a new date representing the the specified date when snapped according to the current Resource View settings.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public DateTime snapInResourceView (
    DateTime date
)
```

Parameters

date
The date to snap.

Return Value

A DateTime object representing the snapped date.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.startInplaceEdit Method

Starts in-place editing mode for the specified item to let users edit the item's text.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void startInplaceEdit (
    Item item
)
```

Parameters

item
Specifies which Item should be edited in place.

Remarks

The CalendarListener.itemInplaceEditStarting event is raised to validate the operation, even if entering in-place edit mode programmatically.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.startModify Method

Initiates interactive modification on the specified item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean startModify (
    Item item,
    Point initial
)
```

Parameters

item
The item to modify interactively.

initial
The initial point of the interactive modification.

Return Value

true, if the modification was successfully started; otherwise, **false**.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.suspendDrag Method

Temporarily pauses the current mouse drag operation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void suspendDrag ()
```

Remarks

Use this method in conjunction with the resumeDrag method to temporarily disable control response to user interactions. The most common scenario where you would use these two methods is when you want to display a modal dialog during user interaction without terminating it.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.update Method

Forces an update of the control.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void update ()
```

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.updateLayout Method

Updates the position of the calendar's child controls such as buttons and scrollbars.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public boolean updateLayout ()
```

Return Value

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

Calendar.updateModify Method

Updates an interactive modification of an item, previously started by a call to startModify.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean updateModify (
    Point point
)
```

Parameters

point
The current point of the interactive modification.

Return Value

true, if the modification was successfully updated; otherwise, **false**.

See Also

Calendar Members
Calendar Class
com.mindfusion.scheduling Namespace

CalendarAdapter Class

Provides empty implementations for the methods defined in the CalendarListener interface. This lets you override only the handlers for the events you are interested in, instead of implementing all methods of **CalendarListener**.

Syntax

Java

```
public class CalendarAdapter implements CalendarListener
```

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.CalendarAdapter

See Also

CalendarAdapter Members
com.mindfusion.scheduling Namespace

CalendarAdapter Members

Provides empty implementations for the methods defined in the CalendarListener interface. This lets you override only the handlers for the events you are interested in, instead of implementing all methods of **CalendarListener**.

The following tables list the members exposed by the CalendarAdapter type.

Public Constructors

	Name	Description
	CalendarAdapter	Initializes a new instance of the **CalendarAdapter** class.

Public Methods

	Name	Description
	beginItemDrawing	CalendarListener.beginItemDrawing implementation.
	customizeGrouping	CalendarListener.customizeGrouping implementation.
	customizeText	CalendarListener.customizeText implementation.
	dateClick	CalendarListener.dateClick implementation.
	draw	CalendarListener.draw implementation.
	drawing	CalendarListener.drawing implementation.
	endItemDrawing	CalendarListener.endItemDrawing implementation.
	filterItem	CalendarListener.filterItem implementation.
	hiddenItemClick	CalendarListener.hiddenItemClick implementation.
	hScroll	CalendarListener.hScroll implementation.
	itemClick	CalendarListener.itemClick implementation.
	itemCloned	CalendarListener.itemCloned implementation.
	itemCloning	CalendarListener.itemCloning implementation.
	itemCreated	CalendarListener.itemCreated implementation.
	itemCreating	CalendarListener.itemCreating implementation.
	itemCreationCanceled	CalendarListener.itemCreationCanceled implementation.
	itemDeleted	CalendarListener.itemDeleted implementation.
	itemDeleting	CalendarListener.itemDeleting implementation.
	itemDeselecting	CalendarListener.itemDeselecting implementation.

	itemDrawing	CalendarListener.itemDrawing implementation.
	itemInplaceEdited	CalendarListener.itemInplaceEdited implementation.
	itemInplaceEditEnding	CalendarListener.itemInplaceEditEnding implementation.
	itemInplaceEditStarting	CalendarListener.itemInplaceEditStarting implementation.
	itemListLaneChanged	CalendarListener.itemListLaneChanged implementation.
	itemModificationCanceled	CalendarListener.itemModificationCanceled implementation.
	itemModified	CalendarListener.itemModified implementation.
	itemModifying	CalendarListener.itemModifying implementation.
	itemPasted	CalendarListener.itemPasted implementation.
	itemPasting	CalendarListener.itemPasting implementation.
	itemSelecting	CalendarListener.itemSelecting implementation.
	itemSelectionChanged	CalendarListener.itemSelectionChanged implementation.
	itemSelectionComplete	CalendarListener.itemSelectionComplete implementation.
	itemsModified	CalendarListener.itemsModified implementation.
	itemTooltipDisplaying	CalendarListener.itemTooltipDisplaying implementation.
	listViewHeaderClick	CalendarListener.listViewHeaderClick implementation.
	monthCellClick	CalendarListener.monthCellClick implementation.
	monthHeaderClick	CalendarListener.monthHeaderClick implementation.
	monthRangeHeaderClick	CalendarListener.monthRangeHeaderClick implementation.
	monthWeekHeaderClick	CalendarListener.monthWeekHeaderClick implementation.
	recurringItemDeleting	CalendarListener.recurringItemDeleting implementation.
	resourceViewBottomTimelineClick	CalendarListener.resourceViewBottomTimelineClick implementation.
	resourceViewMiddleTimelineClick	CalendarListener.resourceViewMiddleTimelineClick implementation.
	resourceViewRowHeaderClick	CalendarListener.resourceViewRowHeaderClick implementation.
	resourceViewTopTimelineClick	CalendarListener.resourceViewTopTimelineClick implementation.
	scroll	CalendarListener.scroll implementation.
	themeChanged	CalendarListener.themeChanged implementation.
	timeLineUnitsChanged	CalendarListener.timeLineUnitsChanged implementation
	timetableColumnHeaderClick	CalendarListener.timetableColumnHeaderClick implementation.
	tooltipDisplaying	CalendarListener.tooltipDisplaying implementation.

	visibleDateChanged	CalendarListener.visibleDateChanged implementation.
	vScroll	CalendarListener.vScroll implementation.
	weekRangeHeaderClick	CalendarListener.weekRangeHeaderClick implementation.

See Also

CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter Constructor

Initializes a new instance of the CalendarAdapter class.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public CalendarAdapter ()
```

See Also

CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter Methods

CalendarAdapter.beginItemDrawing Method

CalendarListener.beginItemDrawing implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void beginItemDrawing (
    EventObject e
)
```

Parameters

e
An **EventObject** object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.customizeGrouping Method

CalendarListener.customizeGrouping implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void customizeGrouping (
    CustomizeGroupingEvent e
)
```

Parameters

e
A CustomizeGroupingEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.customizeText Method

CalendarListener.customizeText implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void customizeText (
    CalendarTextEvent e
)
```

Parameters

e
A CalendarTextEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.dateClick Method

CalendarListener.dateClick implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void dateClick (
    ResourceDateEvent e
)
```

Parameters

e
A ResourceDateEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.draw Method

CalendarListener.draw implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void draw (
    CalendarDrawEvent e
)
```

Parameters

e
A CalendarDrawEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.drawing Method

CalendarListener.drawing implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void drawing (
    CalendarDrawEvent e
)
```

Parameters

e
A CalendarDrawEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.endItemDrawing Method

CalendarListener.endItemDrawing implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void endItemDrawing (
    EventObject e
)
```

Parameters

e
An **EventObject** object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.filterItem Method

CalendarListener.filterItem implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
```

```
public void filterItem (
    ItemConfirmEvent e
)
```

Parameters

e
An ItemConfirmEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.hiddenItemClick Method

CalendarListener.hiddenItemClick implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void hiddenItemClick (
    DateEvent e
)
```

Parameters

e
A DateEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.hScroll Method

CalendarListener.hScroll implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void hScroll (
    ScrollEvent e
)
```

Parameters

e

A ScrollEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.itemClick Method

CalendarListener.itemClick implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void itemClick (
    ItemMouseEvent e
)
```

Parameters

e

An ItemMouseEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.itemCloned Method

CalendarListener.itemCloned implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void itemCloned (
    ItemEvent e
)
```

Parameters

e

An ItemEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.itemCloning Method

CalendarListener.itemCloning implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void itemCloning (
    ItemConfirmEvent e
)
```

Parameters

e
An ItemConfirmEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.itemCreated Method

CalendarListener.itemCreated implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void itemCreated (
    ItemEvent e
)
```

Parameters

e
An ItemEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.itemCreating Method

CalendarListener.itemCreating implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void itemCreating (
    ItemConfirmEvent e
)
```

Parameters

e
An ItemConfirmEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.itemCreationCanceled Method

CalendarListener.itemCreationCanceled implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void itemCreationCanceled (
    ItemEvent e
)
```

Parameters

e
An ItemEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.itemDeleted Method

CalendarListener.itemDeleted implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void itemDeleted (
    ItemEvent e
)
```

Parameters

e
An ItemEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.itemDeleting Method

CalendarListener.itemDeleting implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void itemDeleting (
    ItemConfirmEvent e
)
```

Parameters

e
An ItemConfirmEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.itemDeselecting Method

CalendarListener.itemDeselecting implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void itemDeselecting (
    ItemConfirmEvent e
)
```

Parameters

e
An ItemConfirmEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.itemDrawing Method

CalendarListener.itemDrawing implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void itemDrawing (
    CalendarDrawEvent e
)
```

Parameters

e
A CalendarDrawEvent event.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.itemInplaceEdited Method

CalendarListener.itemInplaceEdited implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void itemInplaceEdited (
    ItemEvent e
)
```

Parameters

e
An ItemEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.itemInplaceEditEnding Method

CalendarListener.itemInplaceEditEnding implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void itemInplaceEditEnding (
    ItemEditConfirmEvent e
)
```

Parameters

e
An ItemEditConfirmEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.itemInplaceEditStarting Method

CalendarListener.itemInplaceEditStarting implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void itemInplaceEditStarting (
    ItemConfirmEvent e
)
```

Parameters

e
An ItemConfirmEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.itemListLaneChanged Method

CalendarListener.itemListLaneChanged implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void itemListLaneChanged (
    ItemListLaneChangedEvent e
)
```

Parameters

e
An ItemListLaneChangedEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.itemModificationCanceled Method

CalendarListener.itemModificationCanceled implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void itemModificationCanceled (
    ItemEvent e
)
```

Parameters

e
An ItemEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.itemModified Method

CalendarListener.itemModified implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void itemModified (
    ItemModifiedEvent e
)
```

Parameters

e
An ItemModifiedEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.itemModifying Method

CalendarListener.itemModifying implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void itemModifying (
    ItemModifyConfirmEvent e
)
```

Parameters

e
An ItemModifyConfirmEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.itemPasted Method

CalendarListener.itemPasted implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void itemPasted (
    ItemEvent e
)
```

Parameters

e

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.itemPasting Method

CalendarListener.itemPasting implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void itemPasting (
    ItemConfirmEvent e
)
```

Parameters

e

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.itemSelecting Method

CalendarListener.itemSelecting implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void itemSelecting (
    ItemConfirmEvent e
)
```

Parameters

e
An ItemConfirmEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.itemSelectionChanged Method

CalendarListener.itemSelectionChanged implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void itemSelectionChanged (
    ItemSelectionEvent e
)
```

Parameters

e
An ItemSelectionEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.itemSelectionComplete Method

CalendarListener.itemSelectionComplete implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void itemSelectionComplete (
    EventObject e
)
```

Parameters

e
An **EventObject** object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.itemsModified Method

CalendarListener.itemsModified implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void itemsModified (
    ItemsEvent e
)
```

Parameters

e
An ItemsEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.itemTooltipDisplaying Method

CalendarListener.itemTooltipDisplaying implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void itemTooltipDisplaying (
    ItemTooltipEvent e
)
```

Parameters

e
An ItemTooltipEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.listViewHeaderClick Method

CalendarListener.listViewHeaderClick implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void listViewHeaderClick (
    DateEvent e
)
```

Parameters

e
A DateEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.monthCellClick Method

CalendarListener.monthCellClick implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void monthCellClick (
    DateEvent e
)
```

Parameters

e
A DateEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.monthHeaderClick Method

CalendarListener.monthHeaderClick implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void monthHeaderClick (
    DateEvent e
)
```

Parameters

e
A DateEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.monthRangeHeaderClick Method

CalendarListener.monthRangeHeaderClick implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void monthRangeHeaderClick (
    DateEvent e
)
```

Parameters

e
A DateEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.monthWeekHeaderClick Method

CalendarListener.monthWeekHeaderClick implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void monthWeekHeaderClick (
    DateEvent e
)
```

Parameters

e
A DateEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.recurringItemDeleting Method

CalendarListener.recurringItemDeleting implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void recurringItemDeleting (
    RecurringItemConfirmEvent e
)
```

Parameters

e
A RecurringItemConfirmEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.resourceViewBottomTimelineClick Method

CalendarListener.resourceViewBottomTimelineClick implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void resourceViewBottomTimelineClick (
    DateEvent e
)
```

Parameters

e
A DateEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.resourceViewMiddleTimelineClick Method

CalendarListener.resourceViewMiddleTimelineClick implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void resourceViewMiddleTimelineClick (
    DateEvent e
)
```

Parameters

e
A DateEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.resourceViewRowHeaderClick Method

CalendarListener.resourceViewRowHeaderClick implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void resourceViewRowHeaderClick (
    ResourceDateEvent e
)
```

Parameters

e
A ResourceDateEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.resourceViewTopTimelineClick Method

CalendarListener.resourceViewTopTimelineClick implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void resourceViewTopTimelineClick (
    DateEvent e
)
```

Parameters

e
A DateEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.scroll Method

CalendarListener.scroll implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void scroll (
    EventObject e
)
```

Parameters

e
An **EventObject** object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.themeChanged Method

CalendarListener.themeChanged implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void themeChanged (
    EventObject e
)
```

Parameters

e
An **EventObject** object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.timeLineUnitsChanged Method

CalendarListener.timeLineUnitsChanged implementation

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void timeLineUnitsChanged (
    EventObject e
)
```

Parameters

e
An **EventObject** object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.timetableColumnHeaderClick Method

CalendarListener.timetableColumnHeaderClick implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void timetableColumnHeaderClick (
    DateEvent e
)
```

Parameters

e
A DateEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.tooltipDisplaying Method

CalendarListener.tooltipDisplaying implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void tooltipDisplaying (
    TooltipEvent e
)
```

Parameters

e
A TooltipEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.visibleDateChanged Method

CalendarListener.visibleDateChanged implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void visibleDateChanged (
    DateChangedEvent e
)
```

Parameters

e
A DateChangedEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.vScroll Method

CalendarListener.vScroll implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void vScroll (
    ScrollEvent e
)
```

Parameters

e
A ScrollEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarAdapter.weekRangeHeaderClick Method

CalendarListener.weekRangeHeaderClick implementation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void weekRangeHeaderClick (
    DateEvent e
)
```

Parameters

e
A DateEvent object.

See Also

CalendarAdapter Members
CalendarAdapter Class
com.mindfusion.scheduling Namespace

CalendarDrawEvent Class

Contains the arguments passed to handlers of the CalendarListener.draw event.

Syntax

Java
`public class CalendarDrawEvent extends EventObject`

Inheritance Hierarchy

java.lang.Object
  java.util.EventObject
    com.mindfusion.scheduling.CalendarDrawEvent

See Also

CalendarDrawEvent Members
com.mindfusion.scheduling Namespace

CalendarDrawEvent Members

Contains the arguments passed to handlers of the CalendarListener.draw event.

The following tables list the members exposed by the CalendarDrawEvent type.

Public Constructors

	Name	Description
	CalendarDrawEvent	Overloaded.

Public Methods

	Name	Description
	getBounds	Gets the bounding rectangle of the element being drawn.

	getDate	Gets the date and time associated with the element being drawn.
	getElement	Gets the type of the calendar element being drawn.
	getEndTime	Gets the end time associated with the element being drawn.
	getGraphics	Gets the Graphics2D instance whose methods can be used to perform custom drawing.
	getHandled	Gets a value indicating whether the event was handled by the client.
	getIndex	Gets the index associated with the element being drawn.
	getIsShadow	Gets a value indicating whether the shadow of an item is being drawn.
	getItem	Gets the item being custom drawn.
	getPointed	Gets a value indicating whether the associated item (if any) is being pointed by the mouse.
	getResource	Gets the resource related to the element being drawn.
	getResources	Gets the resources related to the element being drawn.
	getStartTime	Gets the start time associated with the element being drawn.
	getStyle	Gets the style associated with the element being drawn.
	getText	Gets the text associated with the element being drawn.
	setHandled	Sets a value indicating whether the event was handled by the client.

See Also

CalendarDrawEvent Class
com.mindfusion.scheduling Namespace

CalendarDrawEvent Constructor

Overload List

Name	Description
CalendarDrawEvent (Object, CustomDrawElements, Style, Rectangle, String, Graphics2D, Int32, DateTime, Duration, Duration, Item, Resource[], Boolean)	Initializes a new instance of the CalendarDrawEvent class with associated date or start and end minute. To indicate no date, supply DateTime.MinValue. To indicate no start and end time, specify 0s for both.
CalendarDrawEvent (Object, CustomDrawElements, Style, Rectangle, String, Graphics2D, Int32, DateTime, Duration, Duration, Item, Resource[], Boolean, Boolean)	Initializes a new instance of the **CalendarDrawEvent** class with associated date or start and end minute. To indicate no date, supply **DateTime.MinValue**. To indicate no start and end time, specify 0s for both.

See Also

CalendarDrawEvent Class
com.mindfusion.scheduling Namespace

CalendarDrawEvent Constructor (Object, CustomDrawElements, Style, Rectangle, String, Graphics2D, Int32, DateTime, Duration, Duration, Item, Resource[], Boolean)

Initializes a new instance of the CalendarDrawEvent class with associated date or start and end minute. To indicate no date, supply DateTime.MinValue. To indicate no start and end time, specify 0s for both.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public CalendarDrawEvent (
    Object source,
    CustomDrawElements element,
    Style style,
    Rectangle bounds,
    String text,
    Graphics2D graphics,
    int index,
    DateTime date,
    Duration startTime,
    Duration endTime,
    Item item,
    Resource[] resources,
    boolean pointed
)
```

Parameters

source

element

style

bounds

text

graphics

index

date

startTime

endTime

item

resources

pointed

See Also

CalendarDrawEvent Constructor (Object, CustomDrawElements, Style, Rectangle, String, Graphics2D, Int32, DateTime, Duration, Duration, Item, Resource[], Boolean, Boolean)

Initializes a new instance of the CalendarDrawEvent class with associated date or start and end minute. To indicate no date, supply DateTime.MinValue. To indicate no start and end time, specify 0s for both.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public CalendarDrawEvent (
    Object source,
    CustomDrawElements element,
    Style style,
    Rectangle bounds,
    String text,
    Graphics2D graphics,
    int index,
    DateTime date,
    Duration startTime,
    Duration endTime,
    Item item,
    Resource[] resources,
    boolean pointed,
    boolean isShadow
)
```

Parameters

source

element

style

bounds

text

graphics

index

date

startTime

endTime

item

resources

pointed

isShadow

See Also

CalendarDrawEvent Constructor Overload List
CalendarDrawEvent Class
com.mindfusion.scheduling Namespace

CalendarDrawEvent Methods

CalendarDrawEvent.getBounds Method

Gets the bounding rectangle of the element being drawn.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Rectangle getBounds ()
```

Return Value

A **Rectangle** object specifying the element's bounds.

See Also

CalendarDrawEvent Members
CalendarDrawEvent Class
com.mindfusion.scheduling Namespace

CalendarDrawEvent.getDate Method

Gets the date and time associated with the element being drawn.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public DateTime getDate ()
```

Return Value

A DateTime object specifying the date related to the element being drawn.

Remarks

If there is not any time associated with the element, the return value is DateTime.MinValue.

See Also

CalendarDrawEvent Members
CalendarDrawEvent Class
com.mindfusion.scheduling Namespace

CalendarDrawEvent.getElement Method

Gets the type of the calendar element being drawn.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public CustomDrawElements getElement ()
```

Return Value

One of the CustomDrawElements constants specifying what element to draw.

See Also

CalendarDrawEvent Members
CalendarDrawEvent Class
com.mindfusion.scheduling Namespace

CalendarDrawEvent.getEndTime Method

Gets the end time associated with the element being drawn.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Duration getEndTime ()
```

Return Value

A Duration object specifying the end time related to the element being drawn.

Remarks

This property is used only with certain events in the CalendarView.Timetable view. For events that do not use it, it is set to Duration.Zero.

See Also

CalendarDrawEvent Members
CalendarDrawEvent Class
com.mindfusion.scheduling Namespace

CalendarDrawEvent.getGraphics Method

Gets the Graphics2D instance whose methods can be used to perform custom drawing.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Graphics2D getGraphics ()
```

Return Value

An instance of the **Graphics2D** class used to render the calendar elements.

See Also

CalendarDrawEvent Members
CalendarDrawEvent Class
com.mindfusion.scheduling Namespace

CalendarDrawEvent.getHandled Method

Gets a value indicating whether the event was handled by the client.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public boolean getHandled ()
```

Return Value

true to prevent further rendering of this element; **false** to proceed with the default rendering.

See Also

CalendarDrawEvent Members
CalendarDrawEvent Class
com.mindfusion.scheduling Namespace

CalendarDrawEvent.getIndex Method

Gets the index associated with the element being drawn.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public int getIndex ()
```

Return Value

An integer value specifying the element's index.

Remarks

This property specifies the index of a view column, cell or a scheduled item being custom drawn. If there is not an index associated with the element, the return value is 0.

See Also

CalendarDrawEvent Members
CalendarDrawEvent Class
com.mindfusion.scheduling Namespace

CalendarDrawEvent.getIsShadow Method

Gets a value indicating whether the shadow of an item is being drawn.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean getIsShadow ()
```

Return Value

true if currently drawing the shadow of an item; otherwise, **false**.

Remarks

This property is only valid for CalendarListener.itemDrawing events.

See Also

CalendarDrawEvent Members
CalendarDrawEvent Class
com.mindfusion.scheduling Namespace

CalendarDrawEvent.getItem Method

Gets the item being custom drawn.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Item getItem ()
```

Return Value

A reference to an Item. If no item is associated with the drawn element, returns **null**.

Remarks

This property refers to an item when Calendar.setCustomDraw is set to CustomDrawElements.CalendarItem, **CustomDrawElements.TimetableItem** or **CustomDrawElements.ResourceViewItem**.

See Also

CalendarDrawEvent Members
CalendarDrawEvent Class
com.mindfusion.scheduling Namespace

CalendarDrawEvent.getPointed Method

Gets a value indicating whether the associated item (if any) is being pointed by the mouse.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean getPointed ()
```

Return Value

A boolean value specifying whether the item associated with the event is currently being pointed.

See Also

CalendarDrawEvent Members
CalendarDrawEvent Class
com.mindfusion.scheduling Namespace

CalendarDrawEvent.getResource Method

Gets the resource related to the element being drawn.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Resource getResource ()
```

Return Value

A reference to a Contact, Location, Task or Resource related to the custom drawn element.

Remarks

This could be **null** when no resource is related to the element.

See Also

CalendarDrawEvent Members
CalendarDrawEvent Class
com.mindfusion.scheduling Namespace

CalendarDrawEvent.getResources Method

Gets the resources related to the element being drawn.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Resource[] getResources ()
```

Return Value

A list with all related resources.

See Also

CalendarDrawEvent Members
CalendarDrawEvent Class
com.mindfusion.scheduling Namespace

CalendarDrawEvent.getStartTime Method

Gets the start time associated with the element being drawn.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Duration getStartTime ()
```

Return Value

A Duration object specifying the start time related to the custom drawn element.

Remarks

This property is used only with certain events in CalendarView.Timetable view. For events that do not use it, it is set to Duration.Zero.

See Also

CalendarDrawEvent Members
CalendarDrawEvent Class
com.mindfusion.scheduling Namespace

CalendarDrawEvent.getStyle Method

Gets the style associated with the element being drawn.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Style getStyle ()
```

Return Value

The Style object associated with the element being drawn.

See Also

CalendarDrawEvent Members
CalendarDrawEvent Class
com.mindfusion.scheduling Namespace

CalendarDrawEvent.getText Method

Gets the text associated with the element being drawn.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public String getText ()
```

Return Value

A string specifying the text associated with a custom drawn element.

See Also

CalendarDrawEvent Members
CalendarDrawEvent Class
com.mindfusion.scheduling Namespace

CalendarDrawEvent.setHandled Method

Sets a value indicating whether the event was handled by the client.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setHandled (
    boolean value
)
```

Parameters

value
true to prevent further rendering of this element; **false** to proceed with the default rendering.

See Also

CalendarDrawEvent Members
CalendarDrawEvent Class
com.mindfusion.scheduling Namespace

CalendarElement Enumeration

Specifies a calendar subelement.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java
`public enum CalendarElement`

Members

	Member name	Description
	Cell	A cell in a CalendarView.SingleMonth, **CalendarView.MonthRange**, **CalendarView.WeekRange** or **CalendarView.List** view.
	HorizontalScrollBar	The horizontal scrollbar.
	MonthWeek	The week header in a **CalendarView.SingleMonth** and **CalendarView.MonthRange** view.
	NavigationButtonLeft	The left navigation button that performs a small step.
	NavigationButtonLeftFast	The left navigation button that performs a large step.
	NavigationButtonRight	The right navigation button that performs a small step.
	NavigationButtonRightFast	The right navigation button that performs a large step.
	ResourceViewBottomTimeline	The bottom timeline in a **CalendarView.ResourceView** view.
	ResourceViewCell	A cell in a **CalendarView.ResourceView** view.
	ResourceViewHeader	The row header in a **CalendarView.ResourceView** view.
	ResourceViewMiddleTimeline	The middle timeline in a **CalendarView.ResourceView** view.
	ResourceViewTopTimeline	The topmost timeline in a **CalendarView.ResourceView** view.

	TimetableCell	A cell in a **CalendarView.Timetable** view.
	TimetableColumnHeader	The header of a **CalendarView.Timetable** view column. This might be the header displaying the column date, if no grouping is enabled, or the header displaying the referenced contact or location if grouping is enabled.
	TimetableDayHeader	The all-day header in a **CalendarView.Timetable** view.
	TimetableGroupHeader	The group header in a **Timetable** view. Only available when grouping is enabled.
	TimetableInfoHeader	The info header in a **CalendarView.Timetable** view.
	TimetableTimeline	The timeline in a **CalendarView.Timetable** view.
	VerticalScrollBar	The vertical scrollbar.

See Also

com.mindfusion.scheduling Namespace

CalendarListener Interface

Defines the events raised by the calendar component.

Syntax

Java

```
public interface CalendarListener extends EventListener
```

Inheritors

com.mindfusion.scheduling.CalendarAdapter

See Also

CalendarListener Members
com.mindfusion.scheduling Namespace

CalendarListener Members

Defines the events raised by the calendar component.

The following tables list the members exposed by the CalendarListener type.

Public Methods

	Name	Description
	beginItemDrawing	Invoked before the items are drawn in the current drawing pass.
	customizeGrouping	Raised when secondary grouping is enabled to allow the client to filter some of the secondary resources.

customizeText	Raised to allow text customization of various calendar elements.
dateClick	Invoked when the user clicks a date cell in the calendar.
draw	Invoked to allow custom drawing of calendar UI elements.
drawing	Raised to allow custom drawing of calendar elements before the default rendering done by the control.
endItemDrawing	Invoked after the items are drawn in the current drawing pass.
filterItem	Raised to allow filtering specific items from the view.
hiddenItemClick	Invoked when a hidden items cue icon is clicked.
hScroll	Invoked when the control has been scrolled horizontally.
itemClick	Invoked when the user clicks a schedule item.
itemCloned	Invoked when the user has cloned an item interactively.
itemCloning	Invoked when the user is about to clone an item interactively.
itemCreated	Invoked when a schedule item is created by the user.
itemCreating	Invoked when the user is about to create a new schedule item.
itemCreationCanceled	Invoked when an interactive item creation is canceled by the user.
itemDeleted	Invoked when the user deletes a schedule item.
itemDeleting	Invoked when the user is about to delete a schedule item.
itemDeselecting	Invoked when an item is about to be deselected.
itemDrawing	Invoked to allow custom drawing of calendar items before the default rendering done by the control.
itemInplaceEdited	Invoked when item's text is in-place edited.
itemInplaceEditEnding	Invoked when in-place editing of item's text is about to be accepted.
itemInplaceEditStarting	Invoked when in-place editing of item's text is about to begin.
itemListLaneChanged	Invoked when the lane index of an item within a List view has changed.
itemModificationCanceled	Invoked when an item modification is canceled by the user.
itemModified	Invoked when a schedule item is moved or resized by the user.
itemModifying	Invoked when the user moves or resizes a schedule item, which would change the item's scheduled start or end date and time.
itemPasted	Invoked when an item is pasted from the clipboard.

	itemPasting	Invoked when an item is about to be pasted from the clipboard.
	itemSelecting	Invoked when an item is about to be selected.
	itemSelectionChanged	Invoked when an item is selected or deselected.
	itemSelectionComplete	Invoked when an item is selected or deselected.
	itemsModified	Invoked when one or more items have been modified interactively.
	itemTooltipDisplaying	Invoked to allow modification of an item's tooltip before it gets displayed.
	listViewHeaderClick	Invoked when the header of a **List** view is clicked.
	monthCellClick	Invoked when the user clicks on a month cell in a SingleMonth and MonthRange views.
	monthHeaderClick	Invoked when the header of a Month view is clicked.
	monthRangeHeaderClick	Invoked when the header of an **MonthRange** view is clicked.
	monthWeekHeaderClick	Invoked when a cell in the week header of a **Month** view is clicked.
	recurringItemDeleting	Invoked when the user is about to delete a recurring item.
	resourceViewBottomTimelineClick	Invoked when the bottom timeline of a **CalendarView.ResourceView** view is clicked.
	resourceViewMiddleTimelineClick	Invoked when the middle timeline of a **CalendarView.ResourceView** view is clicked.
	resourceViewRowHeaderClick	Invoked when the header of a Resource view row is clicked.
	resourceViewTopTimelineClick	Invoked when the top timeline of a **CalendarView.ResourceView** view is clicked.
	scroll	Invoked when the value of a scrollbar has changed.
	themeChanged	Invoked when the calendar theme has changed.
	timeLineUnitsChanged	Invoked when timeline units are changed by zoom operation.
	timetableColumnHeaderClick	Invoked when the header of a Timetable column is clicked.
	tooltipDisplaying	Invoked to allow modification of the tooltip of a calendar element before it gets displayed.
	visibleDateChanged	Invoked when the user selects another date using the month or year navigation controls on the calendar header area.
	vScroll	Invoked when the control has been scrolled vertically.
	weekRangeHeaderClick	Raised when the header of a WeekRange view is clicked.

See Also

CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener Methods

CalendarListener.beginItemDrawing Method

Invoked before the items are drawn in the current drawing pass.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void beginItemDrawing (
    EventObject e
)
```

Parameters

e
An EventObject object.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.customizeGrouping Method

Raised when secondary grouping is enabled to allow the client to filter some of the secondary resources.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void customizeGrouping (
    CustomizeGroupingEvent e
)
```

Parameters

e
A CustomizeGroupingEvent object.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.customizeText Method

Raised to allow text customization of various calendar elements.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
void customizeText (
    CalendarTextEvent e
)
```

Parameters

e
An CalendarTextEvent object.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.dateClick Method

Invoked when the user clicks a date cell in the calendar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
void dateClick (
    ResourceDateEvent e
)
```

Parameters

e
A ResourceDateEvent object.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.draw Method

Invoked to allow custom drawing of calendar UI elements.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void draw (
    CalendarDrawEvent e
)
```

Parameters

e
A CalendarDrawEvent object.

Remarks

This method is invoked if the Calendar.getCustomDraw property is set to a value different than CustomDrawElements.None.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.drawing Method

Raised to allow custom drawing of calendar elements before the default rendering done by the control.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void drawing (
    CalendarDrawEvent e
)
```

Parameters

e
A CalendarDrawEvent object.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.endItemDrawing Method

Invoked after the items are drawn in the current drawing pass.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void endItemDrawing (
    EventObject e
)
```

Parameters

e
An EventObject object.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.filterItem Method

Raised to allow filtering specific items from the view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void filterItem (
    ItemConfirmEvent e
)
```

Parameters

e
An ItemConfirmEvent object.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.hiddenItemClick Method

Invoked when a hidden items cue icon is clicked.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void hiddenItemClick (
    DateEvent e
)
```

Parameters

e
A DateEvent object.

Remarks

The hidden items cue is displayed when there are schedule items included in the time range of the current calendar view, but not currently visible because of insufficient space.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.hScroll Method

Invoked when the control has been scrolled horizontally.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void hScroll (
    ScrollEvent e
)
```

Parameters

e
A ScrollEvent link.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.itemClick Method

Invoked when the user clicks a schedule item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void itemClick (
    ItemMouseEvent e
)
```

Parameters

e
An ItemMouseEvent object.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.itemCloned Method

Invoked when the user has cloned an item interactively.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void itemCloned (
    ItemEvent e
)
```

Parameters

e
An ItemEvent object.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.itemCloning Method

Invoked when the user is about to clone an item interactively.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void itemCloning (
    ItemConfirmEvent e
)
```

Parameters

e
An ItemConfirmEvent object.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.itemCreated Method

Invoked when a schedule item is created by the user.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void itemCreated (
    ItemEvent e
)
```

Parameters

e
An ItemEvent object.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.itemCreating Method

Invoked when the user is about to create a new schedule item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void itemCreating (
    ItemConfirmEvent e
)
```

Parameters

e
An ItemConfirmEvent object.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.itemCreationCanceled Method

Invoked when an interactive item creation is canceled by the user.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void itemCreationCanceled (
    ItemEvent e
)
```

Parameters

e
An ItemEvent object.

Remarks

This method is invoked when the user presses the cancel key (usually Escape) while in-place editing the text of an item currently being created.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.itemDeleted Method

Invoked when the user deletes a schedule item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void itemDeleted (
    ItemEvent e
)
```

Parameters

e
An ItemEvent object.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.itemDeleting Method

Invoked when the user is about to delete a schedule item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void itemDeleting (
    ItemConfirmEvent e
)
```

Parameters

e
An ItemConfirmEvent object.

Remarks

This method can be used to prevent users from deleting specific non-recurring items interactively. The method is invoked once for each element of the item selection. To control the deletion of recurring items, use the recurringItemDeleting method.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.itemDeselecting Method

Invoked when an item is about to be deselected.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void itemDeselecting (
    ItemConfirmEvent e
)
```

Parameters

e
An ItemConfirmEvent object.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.itemDrawing Method

Invoked to allow custom drawing of calendar items before the default rendering done by the control.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void itemDrawing (
    CalendarDrawEvent e
)
```

Parameters

e
A CalendarDrawEvent object.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.itemInplaceEdited Method

Invoked when item's text is in-place edited.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void itemInplaceEdited (
    ItemEvent e
)
```

Parameters

e
An ItemEvent object.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.itemInplaceEditEnding Method

Invoked when in-place editing of item's text is about to be accepted.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void itemInplaceEditEnding (
    ItemEditConfirmEvent e
)
```

Parameters

e
An ItemEditConfirmEvent object.

Remarks

This event can be used to validate the text entered into a schedule item during the in-place editing mode.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.itemInplaceEditStarting Method

Invoked when in-place editing of item's text is about to begin.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void itemInplaceEditStarting (
    ItemConfirmEvent e
)
```

Parameters

e
An ItemConfirmEvent object.

Remarks

This method can be used to prevent users from editing the text of specific schedule items.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.itemListLaneChanged Method

Invoked when the lane index of an item within a List view has changed.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void itemListLaneChanged (
    ItemListLaneChangedEvent e
)
```

Parameters

e
An ItemListLaneChangedEvent object.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.itemModificationCanceled Method

Invoked when an item modification is canceled by the user.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void itemModificationCanceled (
    ItemEvent e
)
```

Parameters

e
An ItemEvent object.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.itemModified Method

Invoked when a schedule item is moved or resized by the user.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void itemModified (
    ItemModifiedEvent e
)
```

Parameters

e
An ItemModifiedEvent object.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.itemModifying Method

Invoked when the user moves or resizes a schedule item, which would change the item's scheduled start or end date and time.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void itemModifying (
    ItemModifyConfirmEvent e
)
```

Parameters

e
An ItemModifyConfirmEvent object.

Remarks

This method can be used to prevent users from modifying an item interactively.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.itemPasted Method

Invoked when an item is pasted from the clipboard.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void itemPasted (
    ItemEvent e
)
```

Parameters

e
An ItemEvent object.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace
itemPasting Event
pasteFromClipboard Method

CalendarListener.itemPasting Method

Invoked when an item is about to be pasted from the clipboard.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void itemPasting (
    ItemConfirmEvent e
)
```

Parameters

e
An ItemConfirmEvent object.

Remarks

This event is raised for each item retrieved from the clipboard before it is officially added to the schedule. It provides a validation point where you can inspect the item's properties, modify its state, or cancel the paste operation for that specific item by setting the Confirm property to **false**.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

itemPasted Event
pasteFromClipboard Method

CalendarListener.itemSelecting Method

Invoked when an item is about to be selected.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void itemSelecting (
    ItemConfirmEvent e
)
```

Parameters

e
An ItemConfirmEvent object.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.itemSelectionChanged Method

Invoked when an item is selected or deselected.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void itemSelectionChanged (
    ItemSelectionEvent e
)
```

Parameters

e
An ItemSelectionEvent object.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.itemSelectionComplete Method

Invoked when an item is selected or deselected.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void itemSelectionComplete (
    EventObject e
)
```

Parameters

e
An EventObject object.

Remarks

This method is invoked only once unlike itemSelectionChanged which is invoked for each individual item affected by the selection operation.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.itemsModified Method

Invoked when one or more items have been modified interactively.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void itemsModified (
    ItemsEvent e
)
```

Parameters

e
An ItemsEvent object.

Remarks

Unlike itemModified and itemListLaneChanged, this method is invoked only once for all items that are affected by the modification.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.itemTooltipDisplaying Method

Invoked to allow modification of an item's tooltip before it gets displayed.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void itemTooltipDisplaying (
    ItemTooltipEvent e
)
```

Parameters

e
An ItemTooltipEvent object.

Remarks

Set the new tooltip through the ItemTooltipEvent.setTooltip method.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.listViewHeaderClick Method

Invoked when the header of a List view is clicked.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void listViewHeaderClick (
    DateEvent e
)
```

Parameters

e
A DateEvent object.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.monthCellClick Method

Invoked when the user clicks on a month cell in a SingleMonth and MonthRange views.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void monthCellClick (
    DateEvent e
)
```

Parameters

e
A DateEvent object.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.monthHeaderClick Method

Invoked when the header of a Month view is clicked.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void monthHeaderClick (
    DateEvent e
)
```

Parameters

e
A DateEvent object.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.monthRangeHeaderClick Method

Invoked when the header of an MonthRange view is clicked.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void monthRangeHeaderClick (
    DateEvent e
)
```

Parameters

e
A DateEvent object.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.monthWeekHeaderClick Method

Invoked when a cell in the week header of a Month view is clicked.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void monthWeekHeaderClick (
    DateEvent e
)
```

Parameters

e
A DateEvent object.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.recurringItemDeleting Method

Invoked when the user is about to delete a recurring item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
void recurringItemDeleting (
    RecurringItemConfirmEvent e
)
```

Parameters

e
A RecurringItemConfirmEvent object.

Remarks

This method can be used to prevent the deletion of recurring items. For non-recurring items, use the itemDeleting method.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.resourceViewBottomTimelineClick Method

Invoked when the bottom timeline of a CalendarView.ResourceView view is clicked.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
void resourceViewBottomTimelineClick (
    DateEvent e
)
```

Parameters

e
A DateEvent object.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.resourceViewMiddleTimelineClick Method

Invoked when the middle timeline of a CalendarView.ResourceView view is clicked.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void resourceViewMiddleTimelineClick (
    DateEvent e
)
```

Parameters

e
A DateEvent object.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.resourceViewRowHeaderClick Method

Invoked when the header of a Resource view row is clicked.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void resourceViewRowHeaderClick (
    ResourceDateEvent e
)
```

Parameters

e
A ResourceDateEvent object.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.resourceViewTopTimelineClick Method

Invoked when the top timeline of a CalendarView.ResourceView view is clicked.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void resourceViewTopTimelineClick (
    DateEvent e
)
```

Parameters

e
A DateEvent object.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.scroll Method

Invoked when the value of a scrollbar has changed.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void scroll (
    EventObject e
)
```

Parameters

e
An EventObject object.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.themeChanged Method

Invoked when the calendar theme has changed.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void themeChanged (
    EventObject e
)
```

Parameters

e
An EventObject object.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.timeLineUnitsChanged Method

Invoked when timeline units are changed by zoom operation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void timeLineUnitsChanged (
    EventObject e
)
```

Parameters

e
An **EventObject** object.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.timetableColumnHeaderClick Method

Invoked when the header of a Timetable column is clicked.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void timetableColumnHeaderClick (
    DateEvent e
)
```

Parameters

e
A DateEvent object.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.tooltipDisplaying Method

Invoked to allow modification of the tooltip of a calendar element before it gets displayed.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void tooltipDisplaying (
    TooltipEvent e
)
```

Parameters

e
A TooltipEvent object.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.visibleDateChanged Method

Invoked when the user selects another date using the month or year navigation controls on the calendar header area.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void visibleDateChanged (
    DateChangedEvent e
)
```

Parameters

e
A DateChangedEvent object.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.vScroll Method

Invoked when the control has been scrolled vertically.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void vScroll (
    ScrollEvent e
)
```

Parameters

e
A ScrollEvent object.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarListener.weekRangeHeaderClick Method

Raised when the header of a WeekRange view is clicked.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void weekRangeHeaderClick (
    DateEvent e
)
```

Parameters

e
A DateEvent object.

See Also

CalendarListener Members
CalendarListener Interface
com.mindfusion.scheduling Namespace

CalendarTextElements Enumeration

Specifies elements in the calendar that can be customized.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java
`public enum CalendarTextElements`

Members

	Member name	Description
	CellHeader	The header of a single cell.
	ListViewFooter	The footer of a List view.
	ListViewHeader	A cell in the header of a **List** view.
	ListViewMainHeader	The main header of a **List** view.
	ListViewSubHeader	A cell in a subheader of a **List** view.
	MonthMainHeader	A month main header in **MonthRange** or **SingleMonth** view.
	MonthRangeHeader	The header in a **MonthRange** view.
	MonthSubHeader	A cell in the day of week header in **MonthRange** or **SingleMonth** view.
	MonthWeekNumbersHeader	A cell in the week numbers header in **MonthRange** or **SingleMonth** view.
	ResourceViewRowHeader	The header of a **Resource** view row.
	ResourceViewTimeline	A cell of a timeline in a **Resource** view.
	TimetableColumnHeader	A column header in a **Timetable** view.
	TimetableGroupHeader	A cell in the group header in a **Timetable** view.
	TimetableTimeline	A cell of the timeline in a **Timetable** view.
	TimetableTimelineHour	An hour cell of the timeline in a **Timetable** view.
	WeekRangeHeader	The header in a **WeekRange** view.
	WeekRangeResourceHeader	The resource header in a **WeekRange** view.
	WeekRangeSubHeader	A cell in the day of week header in a **WeekRange** view.

See Also

com.mindfusion.scheduling Namespace

CalendarTextEvent Class

Contains the arguments passed to handlers of the CalendarListener.customizeText event.

Syntax

Java
`public class CalendarTextEvent extends EventObject`

Inheritance Hierarchy

java.lang.Object
  java.util.EventObject
    com.mindfusion.scheduling.CalendarTextEvent

See Also

CalendarTextEvent Members
com.mindfusion.scheduling Namespace

CalendarTextEvent Members

Contains the arguments passed to handlers of the CalendarListener.customizeText event.

The following tables list the members exposed by the CalendarTextEvent type.

Public Constructors

	Name	Description
	CalendarTextEvent	Initializes a new instance of the **CalendarTextEvent** class.

Public Methods

	Name	Description
	getDate	Gets the date and time associated with the element being customized.
	getElement	Gets the type of the calendar element related to the event.
	getEndTime	Gets the end time (if any) associated with the element being customized.
	getIndex	Gets the index associated with the element being customized.
	getResource	Gets the resource related to the element being customized.
	getResources	Gets the resources related to the element being drawn.
	getStartTime	Gets the start time (if any) associated with the element being customized.
	getText	Gets the associated text.
	setText	Sets the associated text.

See Also

CalendarTextEvent Constructor

Initializes a new instance of the CalendarTextEvent class.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public CalendarTextEvent (
    Object source,
    CalendarTextElements element,
    String text,
    int index,
    DateTime date,
    Duration startTime,
    Duration endTime,
    Resource[] resources
)
```

Parameters

source

element

text

index

date

startTime

endTime

resources

See Also

CalendarTextEvent Class
com.mindfusion.scheduling Namespace

CalendarTextEvent Methods

CalendarTextEvent.getDate Method

Gets the date and time associated with the element being customized.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public DateTime getDate ()
```

Return Value

A DateTime object.

Remarks

If there is no time associated with the element, the return value is DateTime.MinValue.

See Also

CalendarTextEvent Members
CalendarTextEvent Class
com.mindfusion.scheduling Namespace

CalendarTextEvent.getElement Method

Gets the type of the calendar element related to the event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public CalendarTextElements getElement ()
```

Return Value

One of the CalendarTextElements values.

See Also

CalendarTextEvent Members
CalendarTextEvent Class
com.mindfusion.scheduling Namespace

CalendarTextEvent.getEndTime Method

Gets the end time (if any) associated with the element being customized.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Duration getEndTime ()
```

Return Value

A Duration object.

See Also

CalendarTextEvent Members
CalendarTextEvent Class
com.mindfusion.scheduling Namespace

CalendarTextEvent.getIndex Method

Gets the index associated with the element being customized.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public int getIndex ()
```

Return Value

An integer value.

Remarks

This property specifies the index of a view column or cell. If there is no index associated with the element, the return value is 0.

See Also

CalendarTextEvent Members
CalendarTextEvent Class
com.mindfusion.scheduling Namespace

CalendarTextEvent.getResource Method

Gets the resource related to the element being customized.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Resource getResource ()
```

Return Value

An instance of the Resource class.

Remarks

This could be **null** when no resources are related to the element.

See Also

CalendarTextEvent Members
CalendarTextEvent Class
com.mindfusion.scheduling Namespace

CalendarTextEvent.getResources Method

Gets the resources related to the element being drawn.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Resource[] getResources ()
```

Return Value

An array of Resource objects.

See Also

CalendarTextEvent Members
CalendarTextEvent Class
com.mindfusion.scheduling Namespace

CalendarTextEvent.getStartTime Method

Gets the start time (if any) associated with the element being customized.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Duration getStartTime ()
```

Return Value

A Duration object.

See Also

CalendarTextEvent Members
CalendarTextEvent Class
com.mindfusion.scheduling Namespace

CalendarTextEvent.getText Method

Gets the associated text.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public String getText ()
```

Return Value

A String object representing the text of the customized element.

See Also

CalendarTextEvent Members
CalendarTextEvent Class
com.mindfusion.scheduling Namespace

CalendarTextEvent.setText Method

Sets the associated text.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setText (
    String value
)
```

Parameters

value
The new text of the customized element.

See Also

CalendarTextEvent Members
CalendarTextEvent Class
com.mindfusion.scheduling Namespace

CalendarTransferHandler Class

Provides support for drag and drop to JPlanner.

Syntax

```
Java
public class CalendarTransferHandler extends TransferHandler
```

Inheritance Hierarchy

java.lang.Object
  javax.swing.TransferHandler
    com.mindfusion.scheduling.CalendarTransferHandler

See Also

CalendarTransferHandler Members
com.mindfusion.scheduling Namespace

CalendarTransferHandler Members

Provides support for drag and drop to JPlanner.

The following tables list the members exposed by the CalendarTransferHandler type.

Public Constructors

	Name	Description
	CalendarTransferHandler	

Public Methods

	Name	Description
	canImport	Check whether Item can be imported To calendar or not
	getDropLocation	
	importData	Import Item to Calendar Object, Before Drag check whether item drop location has underlying Resource, Task, Contact and Location Objects, if Objects are presented, assign them to Item Object

See Also

CalendarTransferHandler Class
com.mindfusion.scheduling Namespace

CalendarTransferHandler Constructor

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java
`public CalendarTransferHandler ()`

See Also

CalendarTransferHandler Class
com.mindfusion.scheduling Namespace

CalendarTransferHandler Methods

CalendarTransferHandler.canImport Method

Check whether Item can be imported To calendar or not

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java

public boolean canImport (
    TransferHandler.TransferSupport support
)
```

Parameters

support
A **TransferSupport** Object

Return Value

A Boolean True or False if item can be imported in Calendar

See Also

CalendarTransferHandler Members
CalendarTransferHandler Class
com.mindfusion.scheduling Namespace

CalendarTransferHandler.getDropLocation Method

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java

public Point getDropLocation ()
```

Return Value

A Point Object which contains the Item locaiton

See Also

CalendarTransferHandler Members
CalendarTransferHandler Class
com.mindfusion.scheduling Namespace

CalendarTransferHandler.importData Method

Import Item to Calendar Object, Before Drag check whether item drop location has underlying Resource, Task, Contact and Location Objects, if Objects are presented, assign them to Item Object

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean importData (
    TransferHandler.TransferSupport support
)
```

Parameters

support
A **TransferSupport** Object

Return Value

Boolean true or false accordingly

See Also

CalendarTransferHandler Members
CalendarTransferHandler Class
com.mindfusion.scheduling Namespace

CalendarView Enumeration

Specifies the type of view to display in a calendar control.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public enum CalendarView
```

Members

	Member name	Description
	List	The calendar displays several seconds, minutes, hours, days, weeks, months or years in a row or a column.
	MonthRange	The calendar displays several months in a grid. The days of each month are visible.
	ResourceView	The calendar displays the distribution of items over a period of time.

	SingleMonth	The calendar displays a single month at a time. The days of the month are displayed in a grid.
	Timetable	The calendar displays a timetable where each row represents a fixed arbitrary time interval and each column represents a day. This view allow further division by various grouping criteria such as by contacts, locations or tasks.
	WeekRange	The calendar displays a grid of days, with the columns representing the week days from Monday to **Sunday** and the rows representing weeks.

See Also

com.mindfusion.scheduling Namespace

CellSettings Class

Defines appearance settings for the cells representing time ranges in the calendar.

Syntax

Java

```
public class CellSettings extends ViewSettings
```

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.ViewSettings
    com.mindfusion.scheduling.CellSettings

See Also

CellSettings Members
com.mindfusion.scheduling Namespace

CellSettings Members

Defines appearance settings for the cells representing time ranges in the calendar.

The following tables list the members exposed by the CellSettings type.

Public Methods

	Name	Description
	addChangeListener	Adds a ChangeListener to the view settings. (Inherited from ViewSettings.)
	getFirstDayOfMonthFormat	Gets the string used to format and display the first day of each month in the calendar.
	getFirstDayOfYearFormat	Gets the string used to format and display the first day of each year in the calendar.

	getGeneralFormat	Gets the string used to format and display dates and times in the calendar.
	getHeaderPosition	Gets the position of the cell header.
	getHeaderSize	Gets the size of the cell header in pixels.
	getMargin	Gets the distance between the outermost border of the cell and the cell contents.
	getRotateHeader	Gets a value indicating whether to rotate the header text when the header position is set to Position.Left or **Position.Right**.
	getShowToday	Gets a value indicating whether the calendar should mark the current cell by underlining the header area.
	getStyle	Gets the appearance style used to paint calendar elements that don't have a distinct style assigned to them.
	getTodayColor	Gets the color used to paint the line that marks the current cell.
	getTodayFillColor	Gets the color used to fill the header of the current cell.
	removeChangeListener	Removes the specified **ChangeListener** from the view settings. (Inherited from ViewSettings.)
	setFirstDayOfMonthFormat	Sets the string used to format and display the first day of each month in the calendar.
	setFirstDayOfYearFormat	Sets the string used to format and display the first day of each year in the calendar.
	setGeneralFormat	Gets the string used to format and display dates and times in the calendar.
	setHeaderPosition	Sets the position of the cell header.
	setHeaderSize	Sets the size of the cell header in pixels.
	setMargin	Sets the distance between the outermost border of the cell and the cell contents.
	setRotateHeader	Sets a value indicating whether to rotate the header text when the header position is set to **Position.Left** or **Position.Right**.
	setShowToday	Sets a value indicating whether the calendar should mark the current cell by underlining the header area.
	setStyle	Sets the appearance style used to paint calendar elements that don't have a distinct style assigned to them.
	setTodayColor	Sets the color used to paint the line that marks the current cell.
	setTodayFillColor	Sets the color used to fill the header of the current cell.

See Also

CellSettings Class
com.mindfusion.scheduling Namespace

CellSettings Methods

CellSettings.getFirstDayOfMonthFormat Method

Gets the string used to format and display the first day of each month in the calendar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public String getFirstDayOfMonthFormat ()
```

Return Value

A string specifying the display format.

See Also

CellSettings Members
CellSettings Class
com.mindfusion.scheduling Namespace

CellSettings.getFirstDayOfYearFormat Method

Gets the string used to format and display the first day of each year in the calendar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public String getFirstDayOfYearFormat ()
```

Return Value

A string specifying the display format.

See Also

CellSettings Members
CellSettings Class
com.mindfusion.scheduling Namespace

CellSettings.getGeneralFormat Method

Gets the string used to format and display dates and times in the calendar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public String getGeneralFormat ()
```

Return Value

A string specifying the display format.

See Also

CellSettings Members
CellSettings Class
com.mindfusion.scheduling Namespace

CellSettings.getHeaderPosition Method

Gets the position of the cell header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Position getHeaderPosition ()
```

Return Value

One of the Position constants.

See Also

CellSettings Members
CellSettings Class
com.mindfusion.scheduling Namespace

CellSettings.getHeaderSize Method

Gets the size of the cell header in pixels.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Integer getHeaderSize ()
```

Return Value

A non-negative integer value specifying the size in pixels.

Remarks

This property specifies the height of the header if getHeaderPosition is either Position.Top or **Position.Bottom**, or the width of the header if **getHeaderPosition** is **Position.Left** or **Position.Right**. Specifying 0 for this property expands the header to fill the entire cell.

See Also

CellSettings Members
CellSettings Class
com.mindfusion.scheduling Namespace

CellSettings.getMargin Method

Gets the distance between the outermost border of the cell and the cell contents.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Integer getMargin ()
```

Return Value

A non-negative integer value specifying the margin size in pixels.

See Also

CellSettings Members
CellSettings Class
com.mindfusion.scheduling Namespace

CellSettings.getRotateHeader Method

Gets a value indicating whether to rotate the header text when the header position is set to Position.Left or **Position.Right**.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Boolean getRotateHeader ()
```

Return Value

true to rotate header text; otherwise, **false**.

See Also

CellSettings Members
CellSettings Class
com.mindfusion.scheduling Namespace

CellSettings.getShowToday Method

Gets a value indicating whether the calendar should mark the current cell by underlining the header area.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Boolean getShowToday ()
```

Return Value

true to indicate visually the current day; otherwise, **false**.

See Also

CellSettings Members
CellSettings Class
com.mindfusion.scheduling Namespace

CellSettings.getStyle Method

Gets the appearance style used to paint calendar elements that don't have a distinct style assigned to them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Style getStyle ()
```

Return Value

A Style object specifying the style of calendar UI elements.

See Also

CellSettings Members
CellSettings Class
com.mindfusion.scheduling Namespace

CellSettings.getTodayColor Method

Gets the color used to paint the line that marks the current cell.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Color getTodayColor ()
```

Return Value

A Color object.

See Also

CellSettings Members
CellSettings Class
com.mindfusion.scheduling Namespace

CellSettings.getTodayFillColor Method

Gets the color used to fill the header of the current cell.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Color getTodayFillColor ()
```

Return Value

A Color object.

See Also

CellSettings Members
CellSettings Class
com.mindfusion.scheduling Namespace

CellSettings.setFirstDayOfMonthFormat Method

Sets the string used to format and display the first day of each month in the calendar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setFirstDayOfMonthFormat (
    String value
)
```

Parameters

value
A string specifying the display format. Set to **null** to use the corresponding value from the current theme.

See Also

CellSettings Members
CellSettings Class
com.mindfusion.scheduling Namespace

CellSettings.setFirstDayOfYearFormat Method

Sets the string used to format and display the first day of each year in the calendar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setFirstDayOfYearFormat (
    String value
)
```

Parameters

value
A string specifying the display format. Set to **null** to use the corresponding value from the current theme.

See Also

CellSettings Members
CellSettings Class
com.mindfusion.scheduling Namespace

CellSettings.setGeneralFormat Method

Gets the string used to format and display dates and times in the calendar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setGeneralFormat (
    String value
)
```

Parameters

value
A string specifying the display format. Set to **null** to use the corresponding value from the current theme.

See Also

CellSettings Members
CellSettings Class
com.mindfusion.scheduling Namespace

CellSettings.setHeaderPosition Method

Sets the position of the cell header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setHeaderPosition (
    Position value
)
```

Parameters

value
One of the Position constants or **null**. Set to **null** to use the corresponding value from the current theme.

See Also

CellSettings Members
CellSettings Class
com.mindfusion.scheduling Namespace

CellSettings.setHeaderSize Method

Sets the size of the cell header in pixels.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setHeaderSize (
    Integer value
)
```

Parameters

value
A non-negative integer value specifying the size in pixels. Set to **null** to use the corresponding value from the current theme.

Remarks

This property specifies the height of the header if getHeaderPosition is either Position.Top or **Position.Bottom**, or the width of the header if **getHeaderPosition** is **Position.Left** or **Position.Right**. Specifying 0 for this property expands the header to fill the entire cell.

See Also

CellSettings Members
CellSettings Class
com.mindfusion.scheduling Namespace

CellSettings.setMargin Method

Sets the distance between the outermost border of the cell and the cell contents.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setMargin (
    Integer value
)
```

Parameters

value
A non-negative integer value specifying the margin size in pixels. Set to **null** to use the corresponding value from the current theme.

See Also

CellSettings Members
CellSettings Class
com.mindfusion.scheduling Namespace

CellSettings.setRotateHeader Method

Sets a value indicating whether to rotate the header text when the header position is set to Position.Left or **Position.Right**.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setRotateHeader (
    Boolean value
)
```

Parameters

value
true to rotate header text; otherwise, false. Set to **null** to use the corresponding value from the current theme.

See Also

CellSettings Members
CellSettings Class
com.mindfusion.scheduling Namespace

CellSettings.setShowToday Method

Sets a value indicating whether the calendar should mark the current cell by underlining the header area.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setShowToday (
    Boolean value
)
```

Parameters

value
true to indicate visually the current day; otherwise, **false**. Set to **null** to use the corresponding value from the current theme.

See Also

CellSettings Members
CellSettings Class
com.mindfusion.scheduling Namespace

CellSettings.setStyle Method

Sets the appearance style used to paint calendar elements that don't have a distinct style assigned to them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setStyle (
    Style value
)
```

Parameters

value
A Style object specifying the style of calendar UI elements. Set to **null** to use the corresponding value from the current theme.

See Also

CellSettings Members
CellSettings Class
com.mindfusion.scheduling Namespace

CellSettings.setTodayColor Method

Sets the color used to paint the line that marks the current cell.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setTodayColor (
    Color value
)
```

Parameters

value
A **Color** object. Set to **null** to use the corresponding value from the current theme.

See Also

CellSettings Members
CellSettings Class
com.mindfusion.scheduling Namespace

CellSettings.setTodayFillColor Method

Sets the color used to fill the header of the current cell.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setTodayFillColor (
    Color value
)
```

Parameters

value
A **Color** object. Set to **null** to use the corresponding value from the current theme.

See Also

CellSettings Members
CellSettings Class
com.mindfusion.scheduling Namespace

ControlAppearance Enumeration

Specifies the visual style of the calendar child controls.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java
`public enum ControlAppearance`

Members

	Member name	Description
	Custom	Use child controls with custom appearance.
	System	Use the standard controls provided by the respective platform.

See Also

com.mindfusion.scheduling Namespace

ControlStyle Class

Defines the appearance style of calendar child controls, such as buttons and scrollbars.

Syntax

Java
`public class ControlStyle`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.ControlStyle

See Also

ControlStyle Members
com.mindfusion.scheduling Namespace

ControlStyle Members

Defines the appearance style of calendar child controls, such as buttons and scrollbars.

The following tables list the members exposed by the ControlStyle type.

Public Methods

	Name	Description
	addChangeListener	Adds a ChangeListener to the style.

	getButtonBorderColor	Gets the color used to draw the buttons border lines.
	getButtonFillBrush	Gets the brush used to fill the background of button child controls when they are neither pushed nor the mouse pointer hovers over them.
	getButtonFillBrushDown	Gets the brush used to fill the background of button child controls when they are pushed down.
	getButtonFillBrushOver	Gets the brush used to fill the background of button child controls when the mouse pointer hovers over them.
	getHScrollBarBackBrush	Gets the brush used to fill the background of the horizontal scrollbar.
	getHScrollBarBackBrushDark	Gets the brush used to fill the background of the horizontal scrollbar when a user clicks on the scrollbar shaft in order to scroll a page left or right.
	getHScrollBarBorderColor	Gets the color used to draw the horizontal scrollbar border lines.
	getHScrollBarFillBrush	Gets the brush used to fill the elements of the horizontal scrollbar when they are neither pushed nor the mouse pointer hovers over them.
	getHScrollBarFillBrushDown	Gets the brush used to fill the elements of the horizontal scrollbar when they are pushed down.
	getHScrollBarFillBrushOver	Gets the brush used to fill the elements of the horizontal scroll bar when the mouse pointer hovers over them.
	getHScrollBarHeight	Gets the height of the horizontal scrollbar.
	getVScrollBarBackBrush	Gets the brush used to fill the background of the vertical scrollbar.
	getVScrollBarBackBrushDark	Gets the brush used to fill the background of the vertical scrollbar when a user clicks on the scrollbar shaft in order to scroll a page up or down.
	getVScrollBarBorderColor	Gets the color used to draw the vertical scrollbar border lines.
	getVScrollBarFillBrush	Gets the brush used to fill the elements of the vertical scrollbar when they are neither pushed nor the mouse pointer hovers over them.
	getVScrollBarFillBrushDown	Gets the brush used to fill the elements of the vertical scrollbar when they are pushed down.
	getVScrollBarFillBrushOver	Gets the brush used to fill the elements of the vertical scroll bar when the mouse pointer hovers over them.
	getVScrollBarWidth	Gets the width of the vertical scrollbar.
	removeChangeListener	Removes the specified **ChangeListener** from the style.
	setButtonBorderColor	Sets the color used to draw the buttons border lines.
	setButtonFillBrush	Sets the brush used to fill the background of button child controls when they are neither pushed nor the mouse pointer hovers over them.

	setButtonFillBrushDown	Sets the brush used to fill the background of button child controls when they are pushed down.
	setButtonFillBrushOver	Sets the brush used to fill the background of button child controls when the mouse pointer hovers over them.
	setHScrollBarBackBrush	Sets the brush used to fill the background of the horizontal scrollbar.
	setHScrollBarBackBrushDark	Sets the brush used to fill the background of the horizontal scrollbar when a user clicks on the scrollbar shaft in order to scroll a page left or right.
	setHScrollBarBorderColor	Sets the color used to draw the horizontal scrollbar border lines.
	setHScrollBarFillBrush	Sets the brush used to fill the elements of the horizontal scrollbar when they are neither pushed nor the mouse pointer hovers over them.
	setHScrollBarFillBrushDown	Sets the brush used to fill the elements of the horizontal scrollbar when they are pushed down.
	setHScrollBarFillBrushOver	Sets the brush used to fill the elements of the horizontal scroll bar when the mouse pointer hovers over them.
	setHScrollBarHeight	Sets the height of the horizontal scrollbar.
	setVScrollBarBackBrush	Sets the brush used to fill the background of the vertical scrollbar.
	setVScrollBarBackBrushDark	Sets the brush used to fill the background of the vertical scrollbar when a user clicks on the scrollbar shaft in order to scroll a page up or down.
	setVScrollBarBorderColor	Sets the color used to draw the vertical scrollbar border lines.
	setVScrollBarFillBrush	Sets the brush used to fill the elements of the vertical scrollbar when they are neither pushed nor the mouse pointer hovers over them.
	setVScrollBarFillBrushDown	Sets the brush used to fill the elements of the vertical scrollbar when they are pushed down.
	setVScrollBarFillBrushOver	Sets the brush used to fill the elements of the vertical scroll bar when the mouse pointer hovers over them.
	setVScrollBarWidth	Sets the width of the vertical scrollbar.

See Also

ControlStyle Class
com.mindfusion.scheduling Namespace

ControlStyle Methods

ControlStyle.addChangeListener Method

Adds a ChangeListener to the style.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void addChangeListener (
    ChangeListener listener
)
```

Parameters

listener
The ChangeListener to be added.

See Also

ControlStyle Members
ControlStyle Class
com.mindfusion.scheduling Namespace

ControlStyle.getButtonBorderColor Method

Gets the color used to draw the buttons border lines.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Color getButtonBorderColor ()
```

Return Value

A Color object.

See Also

ControlStyle Members
ControlStyle Class
com.mindfusion.scheduling Namespace

ControlStyle.getButtonFillBrush Method

Gets the brush used to fill the background of button child controls when they are neither pushed nor the mouse pointer hovers over them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Brush getButtonFillBrush ()
```

Return Value

An instance of the Brush class.

See Also

ControlStyle Members
ControlStyle Class
com.mindfusion.scheduling Namespace

ControlStyle.getButtonFillBrushDown Method

Gets the brush used to fill the background of button child controls when they are pushed down.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Brush getButtonFillBrushDown ()
```

Return Value

An instance of the Brush class.

See Also

ControlStyle Members
ControlStyle Class
com.mindfusion.scheduling Namespace

ControlStyle.getButtonFillBrushOver Method

Gets the brush used to fill the background of button child controls when the mouse pointer hovers over them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Brush getButtonFillBrushOver ()
```

Return Value

An instance of the Brush class.

See Also

ControlStyle Members
ControlStyle Class
com.mindfusion.scheduling Namespace

ControlStyle.getHScrollBarBackBrush Method

Gets the brush used to fill the background of the horizontal scrollbar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Brush getHScrollBarBackBrush ()
```

Return Value

An instance of the Brush class.

See Also

ControlStyle Members
ControlStyle Class
com.mindfusion.scheduling Namespace

ControlStyle.getHScrollBarBackBrushDark Method

Gets the brush used to fill the background of the horizontal scrollbar when a user clicks on the scrollbar shaft in order to scroll a page left or right.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Brush getHScrollBarBackBrushDark ()
```

Return Value

An instance of the Brush class.

See Also

ControlStyle Members
ControlStyle Class
com.mindfusion.scheduling Namespace

ControlStyle.getHScrollBarBorderColor Method

Gets the color used to draw the horizontal scrollbar border lines.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Color getHScrollBarBorderColor ()
```

Return Value

A Color object.

See Also

ControlStyle Members
ControlStyle Class
com.mindfusion.scheduling Namespace

ControlStyle.getHScrollBarFillBrush Method

Gets the brush used to fill the elements of the horizontal scrollbar when they are neither pushed nor the mouse pointer hovers over them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Brush getHScrollBarFillBrush ()
```

Return Value

An instance of the Brush class.

See Also

ControlStyle Members
ControlStyle Class
com.mindfusion.scheduling Namespace

ControlStyle.getHScrollBarFillBrushDown Method

Gets the brush used to fill the elements of the horizontal scrollbar when they are pushed down.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Brush getHScrollBarFillBrushDown ()
```

Return Value

An instance of the Brush class.

See Also

ControlStyle Members
ControlStyle Class
com.mindfusion.scheduling Namespace

ControlStyle.getHScrollBarFillBrushOver Method

Gets the brush used to fill the elements of the horizontal scroll bar when the mouse pointer hovers over them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Brush getHScrollBarFillBrushOver ()
```

Return Value

An instance of the Brush class.

See Also

ControlStyle Members
ControlStyle Class
com.mindfusion.scheduling Namespace

ControlStyle.getHScrollBarHeight Method

Gets the height of the horizontal scrollbar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Integer getHScrollBarHeight ()
```

Return Value

A non-negative integer value specifying the size in pixels.

See Also

ControlStyle Members
ControlStyle Class
com.mindfusion.scheduling Namespace

ControlStyle.getVScrollBarBackBrush Method

Gets the brush used to fill the background of the vertical scrollbar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Brush getVScrollBarBackBrush ()
```

Return Value

An instance of the Brush class.

See Also

ControlStyle Members
ControlStyle Class
com.mindfusion.scheduling Namespace

ControlStyle.getVScrollBarBackBrushDark Method

Gets the brush used to fill the background of the vertical scrollbar when a user clicks on the scrollbar shaft in order to scroll a page up or down.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Brush getVScrollBarBackBrushDark ()
```

Return Value

An instance of the Brush class.

See Also

ControlStyle Members
ControlStyle Class
com.mindfusion.scheduling Namespace

ControlStyle.getVScrollBarBorderColor Method

Gets the color used to draw the vertical scrollbar border lines.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Color getVScrollBarBorderColor ()
```

Return Value

A Color object.

See Also

ControlStyle Members
ControlStyle Class
com.mindfusion.scheduling Namespace

ControlStyle.getVScrollBarFillBrush Method

Gets the brush used to fill the elements of the vertical scrollbar when they are neither pushed nor the mouse pointer hovers over them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Brush getVScrollBarFillBrush ()
```

Return Value

An instance of the Brush class.

See Also

ControlStyle Members
ControlStyle Class
com.mindfusion.scheduling Namespace

ControlStyle.getVScrollBarFillBrushDown Method

Gets the brush used to fill the elements of the vertical scrollbar when they are pushed down.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Brush getVScrollBarFillBrushDown ()
```

Return Value

An instance of the Brush class.

See Also

ControlStyle Members
ControlStyle Class
com.mindfusion.scheduling Namespace

ControlStyle.getVScrollBarFillBrushOver Method

Gets the brush used to fill the elements of the vertical scroll bar when the mouse pointer hovers over them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Brush getVScrollBarFillBrushOver ()
```

Return Value

An instance of the Brush class.

See Also

ControlStyle Members
ControlStyle Class
com.mindfusion.scheduling Namespace

ControlStyle.getVScrollBarWidth Method

Gets the width of the vertical scrollbar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Integer getVScrollBarWidth ()
```

Return Value

A non-negative integer value specifying the size in pixels.

See Also

ControlStyle Members
ControlStyle Class
com.mindfusion.scheduling Namespace

ControlStyle.removeChangeListener Method

Removes the specified ChangeListener from the style.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void removeChangeListener (
    ChangeListener listener
)
```

Parameters

listener
The listener to be removed.

See Also

ControlStyle Members
ControlStyle Class
com.mindfusion.scheduling Namespace

ControlStyle.setButtonBorderColor Method

Sets the color used to draw the buttons border lines.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setButtonBorderColor (
    Color value
)
```

Parameters

value
A Color object. To reset this property, set it to null.

See Also

ControlStyle Members
ControlStyle Class
com.mindfusion.scheduling Namespace

ControlStyle.setButtonFillBrush Method

Sets the brush used to fill the background of button child controls when they are neither pushed nor the mouse pointer hovers over them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setButtonFillBrush (
    Brush value
)
```

Parameters

value
An instance of the Brush class. To reset this property, set it to **null**.

See Also

ControlStyle Members
ControlStyle Class
com.mindfusion.scheduling Namespace

ControlStyle.setButtonFillBrushDown Method

Sets the brush used to fill the background of button child controls when they are pushed down.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setButtonFillBrushDown (
    Brush value
)
```

Parameters

value
An instance of the Brush class. To reset this property, set it to **null**.

See Also

ControlStyle Members
ControlStyle Class
com.mindfusion.scheduling Namespace

ControlStyle.setButtonFillBrushOver Method

Sets the brush used to fill the background of button child controls when the mouse pointer hovers over them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setButtonFillBrushOver (
    Brush value
)
```

Parameters

value
An instance of the Brush class. To reset this property, set it to **null**.

See Also

ControlStyle Members
ControlStyle Class
com.mindfusion.scheduling Namespace

ControlStyle.setHScrollBarBackBrush Method

Sets the brush used to fill the background of the horizontal scrollbar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setHScrollBarBackBrush (
    Brush value
)
```

Parameters

value
An instance of the Brush class. To reset this property, set it to **null**.

See Also

ControlStyle Members
ControlStyle Class
com.mindfusion.scheduling Namespace

ControlStyle.setHScrollBarBackBrushDark Method

Sets the brush used to fill the background of the horizontal scrollbar when a user clicks on the scrollbar shaft in order to scroll a page left or right.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setHScrollBarBackBrushDark (
    Brush value
)
```

Parameters

value
An instance of the Brush class. To reset this property, set it to **null**.

See Also

ControlStyle Members
ControlStyle Class
com.mindfusion.scheduling Namespace

ControlStyle.setHScrollBarBorderColor Method

Sets the color used to draw the horizontal scrollbar border lines.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setHScrollBarBorderColor (
    Color value
)
```

Parameters

value
A Color object. To reset this property, set it to null.

See Also

ControlStyle Members
ControlStyle Class
com.mindfusion.scheduling Namespace

ControlStyle.setHScrollBarFillBrush Method

Sets the brush used to fill the elements of the horizontal scrollbar when they are neither pushed nor the mouse pointer hovers over them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setHScrollBarFillBrush (
    Brush value
)
```

Parameters

value
An instance of the Brush class. To reset this property, set it to **null**.

See Also

ControlStyle Members
ControlStyle Class

ControlStyle.setHScrollBarFillBrushDown Method

Sets the brush used to fill the elements of the horizontal scrollbar when they are pushed down.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setHScrollBarFillBrushDown (
    Brush value
)
```

Parameters

value
An instance of the Brush class. To reset this property, set it to **null**.

See Also

ControlStyle Members
ControlStyle Class
com.mindfusion.scheduling Namespace

ControlStyle.setHScrollBarFillBrushOver Method

Sets the brush used to fill the elements of the horizontal scroll bar when the mouse pointer hovers over them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setHScrollBarFillBrushOver (
    Brush value
)
```

Parameters

value
An instance of the Brush class. To reset this property, set it to **null**.

See Also

ControlStyle Members
ControlStyle Class
com.mindfusion.scheduling Namespace

ControlStyle.setHScrollBarHeight Method

Sets the height of the horizontal scrollbar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setHScrollBarHeight (
    Integer value
)
```

Parameters

value
A non-negative integer value specifying the size in pixels. Set to **null** to use the corresponding value from the current theme.

See Also

ControlStyle Members
ControlStyle Class
com.mindfusion.scheduling Namespace

ControlStyle.setVScrollBarBackBrush Method

Sets the brush used to fill the background of the vertical scrollbar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setVScrollBarBackBrush (
    Brush value
)
```

Parameters

value
An instance of the Brush class. To reset this property, set it to **null**.

See Also

ControlStyle Members
ControlStyle Class
com.mindfusion.scheduling Namespace

ControlStyle.setVScrollBarBackBrushDark Method

Sets the brush used to fill the background of the vertical scrollbar when a user clicks on the scrollbar shaft in order to scroll a page up or down.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setVScrollBarBackBrushDark (
    Brush value
)
```

Parameters

value
An instance of the Brush class. To reset this property, set it to **null**.

See Also

ControlStyle Members
ControlStyle Class
com.mindfusion.scheduling Namespace

ControlStyle.setVScrollBarBorderColor Method

Sets the color used to draw the vertical scrollbar border lines.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setVScrollBarBorderColor (
    Color value
)
```

Parameters

value
A **Color** object. To reset this property, set it to **null**.

See Also

ControlStyle Members
ControlStyle Class
com.mindfusion.scheduling Namespace

ControlStyle.setVScrollBarFillBrush Method

Sets the brush used to fill the elements of the vertical scrollbar when they are neither pushed nor the mouse pointer hovers over them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setVScrollBarFillBrush (
    Brush value
)
```

Parameters

value
An instance of the Brush class. To reset this property, set it to **null**.

See Also

ControlStyle Members
ControlStyle Class
com.mindfusion.scheduling Namespace

ControlStyle.setVScrollBarFillBrushDown Method

Sets the brush used to fill the elements of the vertical scrollbar when they are pushed down.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setVScrollBarFillBrushDown (
    Brush value
)
```

Parameters

value
An instance of the Brush class. To reset this property, set it to **null**.

See Also

ControlStyle Members
ControlStyle Class
com.mindfusion.scheduling Namespace

ControlStyle.setVScrollBarFillBrushOver Method

Sets the brush used to fill the elements of the vertical scroll bar when the mouse pointer hovers over them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setVScrollBarFillBrushOver (
    Brush value
)
```

Parameters

value
An instance of the Brush class. To reset this property, set it to **null**.

See Also

ControlStyle Members
ControlStyle Class
com.mindfusion.scheduling Namespace

ControlStyle.setVScrollBarWidth Method

Sets the width of the vertical scrollbar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setVScrollBarWidth (
    Integer value
)
```

Parameters

value
A non-negative integer value specifying the size in pixels. Set to **null** to use the corresponding value from the current theme.

See Also

ControlStyle Members
ControlStyle Class
com.mindfusion.scheduling Namespace

Cursor Enumeration

Specifies a mouse cursor.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public enum Cursor
```

Members

	Member name	Description
	Arrow	Identifies the regular arrow cursor.

	Default	Identifies the default cursor, which is usually an arrow cursor.
	Hand	Identifies the hand cursor that is usually display when hovering over a Web link.
	HSplit	Identifies the cursor that appears when the mouse is positioned over a horizontal splitter bar.
	No	Identifies a cursor that indicates that a particular region is invalid for the current operation.
	SizeAll	Identifies a four-headed sizing cursor, which consists of four joined arrows that point north, south, east, and west.
	SizeNS	Identifies a two-headed vertical (north/south) sizing cursor.
	SizeWE	Identifies a two-headed horizontal (west/east) sizing cursor.
	VSplit	Identifies the cursor that appears when the mouse is positioned over a vertical splitter bar.

See Also

com.mindfusion.scheduling Namespace

CustomDrawElements Enumeration

Specifies which elements of the calendar are custom-drawn.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java
`public enum CustomDrawElements`

Members

	Member name	Description
	CalendarItem	An all day item in a Timetable view, or an item in any other view.
	CellContents	The contents of a single cell.
	CellHeader	The header of a single cell.
	ItemDescriptionText	Item's description text.
	ItemEndResizeBand	The end resize band of an item in Timetable and Resource views.
	ItemHeaderText	Item's header text.
	ItemMoveBand	The move band of an item in Timetable and Resource views.

	ItemStartResizeBand	The start resize band of an item in Timetable and Resource views.
	ListViewFooter	The footer of a List view.
	ListViewHeader	The header of a List view.
	ListViewHeaderCell	A cell in the header of a List view.
	ListViewMainHeader	The main header of a List view.
	ListViewSubHeader	A subheader of a List view.
	ListViewSubHeaderCell	A cell in a subheader of a List view.
	MonthContents	The contents of a month cell.
	MonthMainHeader	A month main header in MonthRange or SingleMonth view.
	MonthRangeHeader	The header in a MonthRange view.
	MonthSubHeader	The day of week header in MonthRange or SingleMonth view.
	MonthSubHeaderCell	A cell in the day of week header in MonthRange or SingleMonth view.
	MonthWeekNumbersHeader	The week numbers header in MonthRange or SingleMonth view.
	MonthWeekNumbersHeaderCell	A cell in the week numbers header in MonthRange or SingleMonth view.
	ResourceViewCell	A cell in a Resource view. If the view style is ResourceViewStyle.Lanes this enumeration value indicates a cell in each individual lane.
	ResourceViewCellComplete	A cell in a Resource view. If the view style is **ResourceViewStyle.Lanes** this enumeration value indicates a cell that encompasses all lanes for the associated Resource.
	ResourceViewItem	An item in a Resource view.
	ResourceViewRowHeader	The header of a Resource view row.
	ResourceViewSelection	The selection in a Resource view.
	ResourceViewTimeline	A timeline of a Resource view.
	ResourceViewTimelineCell	A cell of a timeline in a Resource view.
	TimetableCell	A cell in a Timetable view.
	TimetableColumnHeader	A column header in a Timetable view.
	TimetableGroupHeader	The group header in a Timetable view.
	TimetableGroupHeaderCell	A cell of the group header in a Timetable view.
	TimetableInfoHeader	The timetable info header. Occurs for each column in the view.
	TimetableItem	A non all-day item in a Timetable view. For all-day items, the CalendarItem value is specified.

	TimetableTimeline	The timeline in a Timetable view. Occurs before the timeline divisions are painted.
	TimetableTimelineCell	A portion of the timeline in a Timetable view.
	TimetableTimelineHourCell	An hour cell of the timeline in a Timetable view.
	TimetableWholeDayHeader	A whole day portion of the header in a Timetable view. Occurs for each column in the view.
	WeekRangeHeader	The header in a WeekRange view.
	WeekRangeResourceHeader	The resource header in a WeekRange view.
	WeekRangeSubHeader	The day of week header in a WeekRange view.
	WeekRangeSubHeaderCell	A cell in the day of week header in a WeekRange view.

See Also

com.mindfusion.scheduling Namespace

CustomizeGroupingEvent Class

Contains the arguments passed to handlers of the CalendarListener.customizeGrouping event.

Syntax

Java

```
public class CustomizeGroupingEvent extends EventObject
```

Inheritance Hierarchy

java.lang.Object
  java.util.EventObject
    com.mindfusion.scheduling.CustomizeGroupingEvent

See Also

CustomizeGroupingEvent Members
com.mindfusion.scheduling Namespace

CustomizeGroupingEvent Members

Contains the arguments passed to handlers of the CalendarListener.customizeGrouping event.

The following tables list the members exposed by the CustomizeGroupingEvent type.

Public Constructors

	Name	Description
	CustomizeGroupingEvent	Initializes a new instance of the **CustomizeGroupingEvent** class.

Public Methods

	Name	Description
	getGroupByResources	Gets the resources to group by.
	getParents	Gets a list with the parent resources.

See Also

CustomizeGroupingEvent Class
com.mindfusion.scheduling Namespace

CustomizeGroupingEvent Constructor

Initializes a new instance of the CustomizeGroupingEvent class.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public CustomizeGroupingEvent (
    Object source,
    Resource[] parents,
    ArrayList<Resource> groupByResources
)
```

Parameters

source

parents

groupByResources

See Also

CustomizeGroupingEvent Class
com.mindfusion.scheduling Namespace

CustomizeGroupingEvent Methods

CustomizeGroupingEvent.getGroupByResources Method

Gets the resources to group by.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public ArrayList<Resource> getGroupByResources ()
```

Return Value

A list of the resource to group by.

See Also

CustomizeGroupingEvent Members
CustomizeGroupingEvent Class
com.mindfusion.scheduling Namespace

CustomizeGroupingEvent.getParents Method

Gets a list with the parent resources.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Resource[] getParents ()
```

Return Value

An array with the parent resources.

Remarks

This array contains a single resource, which is the parent whose secondary resources are being customized.

See Also

CustomizeGroupingEvent Members
CustomizeGroupingEvent Class
com.mindfusion.scheduling Namespace

DateChangedEvent Class

Contains the arguments passed to handlers of the CalendarListener.visibleDateChanged event.

Syntax

Java

```
public class DateChangedEvent extends EventObject
```

Inheritance Hierarchy

java.lang.Object
  java.util.EventObject
    com.mindfusion.scheduling.DateChangedEvent

See Also

DateChangedEvent Members

Contains the arguments passed to handlers of the CalendarListener.visibleDateChanged event.

The following tables list the members exposed by the DateChangedEvent type.

Public Constructors

	Name	Description
	DateChangedEvent	Initializes a new instance of the DateChangedEvent class.

Public Methods

	Name	Description
	getNewDate	Gets the new visible date.
	getPreviousDate	Gets the previous visible date.

See Also

DateChangedEvent Class
com.mindfusion.scheduling Namespace

DateChangedEvent Constructor

Initializes a new instance of the DateChangedEvent class.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public DateChangedEvent (
    Object source,
    DateTime newDate,
    DateTime prevDate
)
```

Parameters

source
The Calendar that raises this event.

newDate
The new visible date.

prevDate
The previous visible date.

See Also

DateChangedEvent Methods

DateChangedEvent.getNewDate Method

Gets the new visible date.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public DateTime getNewDate ()
```

Return Value

A DateTime object specifying the new date related to the raised event.

See Also

DateChangedEvent Members
DateChangedEvent Class
com.mindfusion.scheduling Namespace

DateChangedEvent.getPreviousDate Method

Gets the previous visible date.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public DateTime getPreviousDate ()
```

Return Value

A DateTime object specifying the previous date related to the raised event.

See Also

DateChangedEvent Members
DateChangedEvent Class
com.mindfusion.scheduling Namespace

DateEvent Class

Contains the arguments passed to handlers of mouse events related to date and time cells in the calendar.

Syntax

Java
`public class DateEvent extends EventObject`

Inheritance Hierarchy

java.lang.Object
  java.util.EventObject
    com.mindfusion.scheduling.DateEvent
      com.mindfusion.scheduling.ResourceDateEvent

See Also

DateEvent Members
com.mindfusion.scheduling Namespace

DateEvent Members

Contains the arguments passed to handlers of mouse events related to date and time cells in the calendar.

The following tables list the members exposed by the DateEvent type.

Public Constructors

	Name	Description
	DateEvent	Overloaded.

Public Methods

	Name	Description
	getBounds	Gets the bounding rectangle of the clicked date cell.
	getButton	Gets the pressed mouse button.
	getClicks	Gets the number of clicks.
	getDate	Gets the date and time associated with the event.
	getIndex	Gets the index (if any) of the calendar cell related to the event or -1 otherwise.

See Also

DateEvent Class
com.mindfusion.scheduling Namespace

DateEvent Constructor

Overload List

Name	Description
DateEvent (Object, DateTime, Int32, Int32, Rectangle)	Initializes a new instance of the DateEvent class.
DateEvent (Object, DateTime, Int32, Int32, Rectangle, Int32)	Initializes a new instance of the **DateEvent** class.

See Also

DateEvent Class
com.mindfusion.scheduling Namespace

DateEvent Constructor (Object, DateTime, Int32, Int32, Rectangle)

Initializes a new instance of the DateEvent class.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public DateEvent (
    Object source,
    DateTime date,
    int button,
    int clicks,
    Rectangle bounds
)
```

Parameters

source
The Calendar that raises this event.

date
The date and time associated with this event.

button
The pressed mouse button.

clicks
The number of clicks.

bounds
Bounding rectangle of the clicked date cell.

See Also

DateEvent Constructor Overload List
DateEvent Class
com.mindfusion.scheduling Namespace

DateEvent Constructor (Object, DateTime, Int32, Int32, Rectangle, Int32)

Initializes a new instance of the DateEvent class.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public DateEvent (
    Object source,
    DateTime date,
    int button,
    int clicks,
    Rectangle bounds,
    int index
)
```

Parameters

source
The Calendar that raises this event.

date
The date and time associated with this event.

button
The pressed mouse button.

clicks
The number of clicks.

bounds
Bounding rectangle of the clicked date cell.

index
Index of the calendar cell related to this event.

See Also

DateEvent Constructor Overload List
DateEvent Class
com.mindfusion.scheduling Namespace

DateEvent Methods

DateEvent.getBounds Method

Gets the bounding rectangle of the clicked date cell.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Rectangle getBounds ()
```

Return Value

A Rectangle object specifying the bounds of the cell related to the raised event.

See Also

DateEvent Members
DateEvent Class
com.mindfusion.scheduling Namespace

DateEvent.getButton Method

Gets the pressed mouse button.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public int getButton ()
```

Return Value

One of the MouseEvent constants specifying what mouse button was pressed.

See Also

DateEvent Members
DateEvent Class
com.mindfusion.scheduling Namespace

DateEvent.getClicks Method

Gets the number of clicks.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public int getClicks ()
```

Return Value

An integer value specifying the number of clicks related to the raised event.

See Also

DateEvent Members
DateEvent Class
com.mindfusion.scheduling Namespace

DateEvent.getDate Method

Gets the date and time associated with the event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public DateTime getDate ()
```

Return Value

A DateTime object specifying the date related to the raised event.

See Also

DateEvent Members
DateEvent Class
com.mindfusion.scheduling Namespace

DateEvent.getIndex Method

Gets the index (if any) of the calendar cell related to the event or -1 otherwise.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public int getIndex ()
```

Return Value

An integer value specifying the index of the related cell or -1 if no index is applicable to the selected cell.

See Also

DateEvent Members
DateEvent Class
com.mindfusion.scheduling Namespace

DateList Class

Represents a strongly-typed sorted collection of DateTime objects.

Syntax

```
Java
public class DateList extends BaseList<E>
```

Inheritance Hierarchy

java.lang.Object
  java.util.AbstractCollection(E)
    java.util.AbstractList(E)
      com.mindfusion.common.BaseList(E)
        com.mindfusion.scheduling.DateList

See Also

DateList Members
com.mindfusion.scheduling Namespace

DateList Members

Represents a strongly-typed sorted collection of DateTime objects.

The following tables list the members exposed by the DateList type.

Public Constructors

	Name	Description
	DateList	Initializes a new instance of the **DateList** class.

Public Methods

	Name	Description
	add	Overloaded. (Inherited from BaseList.)
	addBaseListListener	Adds a BaseListListener to the list. (Inherited from BaseList.)
	addChangeListener	Adds a ChangeListener to the list.
	clear	Removes all elements from the list. (Inherited from BaseList.)
	first	Gets the first element of this list. (Inherited from BaseList.)
	get	Returns the element at the specified position in the list. (Inherited from BaseList.)
	last	Gets the last element of this list. (Inherited from BaseList.)
	readExternal	(Inherited from BaseList.)
	remove	Overloaded. (Inherited from BaseList.)
	removeBaseListListener	Removes the specified **BaseListListener** from the list. (Inherited from BaseList.)
	removeChangeListener	Removes the specified **ChangeListener** from the list.
	set	Replaces the element at the specified position in this list with the specified element. (Inherited from BaseList.)
	size	Returns the number of elements in the list. (Inherited from BaseList.)
	writeExternal	(Inherited from BaseList.)

See Also

DateList Class
com.mindfusion.scheduling Namespace

DateList Constructor

Initializes a new instance of the DateList class.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public DateList ()
```

See Also

DateList Class
com.mindfusion.scheduling Namespace

DateList Methods

DateList.addChangeListener Method

Adds a ChangeListener to the list.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void addChangeListener (
    ChangeListener listener
)
```

Parameters

listener
The ChangeListener to be added.

See Also

DateList Members
DateList Class
com.mindfusion.scheduling Namespace

DateList.removeChangeListener Method

Removes the specified ChangeListener from the list.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void removeChangeListener (
    ChangeListener listener
)
```

Parameters

listener
The listener to be removed.

See Also

DateList Members
DateList Class
com.mindfusion.scheduling Namespace

DateStyle Class

Defines formatting for a range of dates. Can be used either to format either days or months.

Syntax

```
Java
public class DateStyle
```

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.DateStyle

See Also

DateStyle Members
com.mindfusion.scheduling Namespace

DateStyle Members

Defines formatting for a range of dates. Can be used either to format either days or months.

The following tables list the members exposed by the DateStyle type.

Public Constructors

	Name	Description
	DateStyle	Initializes a new instance of the **DateStyle** class. Both the start and end dates are set to the current date.

Public Methods

	Name	Description
	getAllowItems	Gets a value indicating whether the date cells in this range allow items to be placed or created in them interactively.
	getAllowSelect	Gets a value indicating whether the date cells in this range can be selected.
	getFrom	Gets the start date of the formatted range.
	getPriority	Gets the format priority. If one date has several styles applied to it, only the highest in priority is taken into account.
	getStyle	Gets the visualization style of the date cells included in the formatted range.
	getTo	Gets the end date of the formatted range.
	setAllowItems	Sets a value indicating whether the date cells in this range allow items to be placed or created in them interactively.
	setAllowSelect	Sets a value indicating whether the date cells in this range can be selected.
	setFrom	Sets the start date of the formatted range.
	setPriority	Sets the format priority. If one date has several styles applied to it, only the highest in priority is taken into account.
	setStyle	Sets the visualization style of the date cells included in the formatted range.
	setTo	Sets the end date of the formatted range.

See Also

DateStyle Class
com.mindfusion.scheduling Namespace

DateStyle Constructor

Initializes a new instance of the DateStyle class. Both the start and end dates are set to the current date.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public DateStyle ()
```

See Also

DateStyle Class
com.mindfusion.scheduling Namespace

DateStyle Methods

DateStyle.getAllowItems Method

Gets a value indicating whether the date cells in this range allow items to be placed or created in them interactively.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public boolean getAllowItems ()
```

Return Value

true to let users place schedule items in the specified cells; otherwise, **false**. The default is **false**.

See Also

DateStyle Members
DateStyle Class
com.mindfusion.scheduling Namespace

DateStyle.getAllowSelect Method

Gets a value indicating whether the date cells in this range can be selected.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public boolean getAllowSelect ()
```

Return Value

true to let users select the date cells; otherwise, **false**. The default is **true**.

See Also

DateStyle Members
DateStyle Class
com.mindfusion.scheduling Namespace

DateStyle.getFrom Method

Gets the start date of the formatted range.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public DateTime getFrom ()
```

Return Value

A DateTime object specifying the start of the time interval whose cells' style is defined in this object.

See Also

DateStyle Members
DateStyle Class
com.mindfusion.scheduling Namespace

DateStyle.getPriority Method

Gets the format priority. If one date has several styles applied to it, only the highest in priority is taken into account.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public int getPriority ()
```

Return Value

An integer value specifying the priority of this style.

Remarks

When a time cell is included in the time intervals of several DateStyle or DayOfWeekStyle objects, the style that has the highest priority is used.

See Also

DateStyle Members
DateStyle Class
com.mindfusion.scheduling Namespace

DateStyle.getStyle Method

Gets the visualization style of the date cells included in the formatted range.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
```

```
public Style getStyle ()
```

Return Value

A Style object that defines the appearance of time cells included in the specified interval.

See Also

DateStyle Members
DateStyle Class
com.mindfusion.scheduling Namespace

DateStyle.getTo Method

Gets the end date of the formatted range.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public DateTime getTo ()
```

Return Value

A DateTime object specifying the end of the time interval whose cells' style is defined in this object.

See Also

DateStyle Members
DateStyle Class
com.mindfusion.scheduling Namespace

DateStyle.setAllowItems Method

Sets a value indicating whether the date cells in this range allow items to be placed or created in them interactively.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setAllowItems (
    boolean value
)
```

Parameters

value
true to let users place schedule items in the specified cells; otherwise, **false**. The default is **false**.

See Also

DateStyle Members
DateStyle Class
com.mindfusion.scheduling Namespace

DateStyle.setAllowSelect Method

Sets a value indicating whether the date cells in this range can be selected.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setAllowSelect (
    boolean value
)
```

Parameters

value
true to let users select the date cells; otherwise, **false**. The default is **true**.

See Also

DateStyle Members
DateStyle Class
com.mindfusion.scheduling Namespace

DateStyle.setFrom Method

Sets the start date of the formatted range.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setFrom (
    DateTime value
)
```

Parameters

value
A DateTime object specifying the start of the time interval whose cells' style is defined in this object.

See Also

DateStyle Members
DateStyle Class
com.mindfusion.scheduling Namespace

DateStyle.setPriority Method

Sets the format priority. If one date has several styles applied to it, only the highest in priority is taken into account.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setPriority (
    int value
)
```

Parameters

value
An integer value specifying the priority of this style.

Remarks

When a time cell is included in the time intervals of several DateStyle or DayOfWeekStyle objects, the style that has the highest priority is used.

See Also

DateStyle Members
DateStyle Class
com.mindfusion.scheduling Namespace

DateStyle.setStyle Method

Sets the visualization style of the date cells included in the formatted range.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setStyle (
    Style value
)
```

Parameters

value
A Style object that defines the appearance of time cells included in the specified interval.

See Also

DateStyle Members
DateStyle Class
com.mindfusion.scheduling Namespace

DateStyle.setTo Method

Sets the end date of the formatted range.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setTo (
    DateTime value
)
```

Parameters

value
A DateTime object specifying the end of the time interval whose cells' style is defined in this object.

See Also

DateStyle Members
DateStyle Class
com.mindfusion.scheduling Namespace

DateStyleList Class

Represents a strongly-typed collection of DateStyle objects.

Syntax

Java

```
public class DateStyleList extends BaseList<DateStyle>
```

Inheritance Hierarchy

java.lang.Object
  java.util.AbstractCollection(E)
    java.util.AbstractList(E)
      com.mindfusion.common.BaseList(E)
        com.mindfusion.scheduling.DateStyleList

See Also

DateStyleList Members
com.mindfusion.scheduling Namespace

DateStyleList Members

Represents a strongly-typed collection of DateStyle objects.

The following tables list the members exposed by the DateStyleList type.

Public Constructors

	Name	Description
	DateStyleList	Initializes a new instance of the **DateStyleList** class.

Public Methods

	Name	Description
	add	Overloaded. (Inherited from BaseList.)
	addBaseListListener	Adds a BaseListListener to the list. (Inherited from BaseList.)
	clear	Removes all elements from the list. (Inherited from BaseList.)
	first	Gets the first element of this list. (Inherited from BaseList.)
	get	Returns the element at the specified position in the list. (Inherited from BaseList.)
	last	Gets the last element of this list. (Inherited from BaseList.)
	readExternal	(Inherited from BaseList.)
	remove	Overloaded. (Inherited from BaseList.)
	removeBaseListListener	Removes the specified **BaseListListener** from the list. (Inherited from BaseList.)
	set	Replaces the element at the specified position in this list with the specified element. (Inherited from BaseList.)
	size	Returns the number of elements in the list. (Inherited from BaseList.)
	writeExternal	(Inherited from BaseList.)

See Also

DateStyleList Class
com.mindfusion.scheduling Namespace

DateStyleList Constructor

Initializes a new instance of the DateStyleList class.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public DateStyleList ()
```

See Also

DateStyleList Class
com.mindfusion.scheduling Namespace

DateTimeInfo Class

Defines various date and time properties depending on a locale.

Syntax

Java
`public class DateTimeInfo`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.DateTimeInfo

See Also

DateTimeInfo Members
com.mindfusion.scheduling Namespace

DateTimeInfo Members

Defines various date and time properties depending on a locale.

The following tables list the members exposed by the DateTimeInfo type.

Public Constructors

	Name	Description
	DateTimeInfo	Initializes a new instance of the **DateTimeInfo** class.

Public Methods

	Name	Description
	getAbbreviatedDayName	Gets the abbreviated name of the specified day of the week.
	getAbbreviatedDayNames	Gets the abbreviated names of the days of the week.
	getAbbreviatedMonthNames	Gets the abbreviated names of the months.
	getAMDesignator	Gets the string designator for hours that are "ante meridiem" (before noon).
	getDayName	Gets the name of the specified day of the week.
	getDayNames	Gets the full names of the days of the week.

	getFirstDayOfWeek	Gets the first day of the week.
	getFirstWeekendDay	Gets the first weekend day.
	getLocale	Gets the underlying Locale.
	getMonthNames	Gets the full names of the months.
	getPMDesignator	Gets the string designator for hours that are "post meridiem" (before noon).
	getSecondWeekendDay	Gets the second weekend day.
	getWeekOfYear	Gets the week of the year for the specified date.
	isWeekend	Gets a value indicating whether the specified day of the week is a weekend day.
	setFirstDayOfWeek	Sets the first day of the week.
	setFirstWeekendDay	Sets the first weekend day.

See Also

DateTimeInfo Class
com.mindfusion.scheduling Namespace

DateTimeInfo Constructor

Initializes a new instance of the DateTimeInfo class.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public DateTimeInfo (
    Calendar calendar,
    Locale locale
)
```

Parameters

calendar
An instance of the Calendar class.

locale
A **java.util.Locale** identifying the locale.

See Also

DateTimeInfo Class
com.mindfusion.scheduling Namespace

DateTimeInfo Methods

DateTimeInfo.getAbbreviatedDayName Method

Gets the abbreviated name of the specified day of the week.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public String getAbbreviatedDayName (
    DayOfWeek day
)
```

Parameters

day
One of DayOfWeek constants.

Return Value

The abbreviated name of the specified day.

See Also

DateTimeInfo Members
DateTimeInfo Class
com.mindfusion.scheduling Namespace

DateTimeInfo.getAbbreviatedDayNames Method

Gets the abbreviated names of the days of the week.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public String[] getAbbreviatedDayNames ()
```

Return Value

A **String** array containing the abbreviated names of the days.

See Also

DateTimeInfo Members
DateTimeInfo Class
com.mindfusion.scheduling Namespace

DateTimeInfo.getAbbreviatedMonthNames Method

Gets the abbreviated names of the months.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public String[] getAbbreviatedMonthNames ()
```

Return Value

A **String** array containing the abbreviated names of the months.

See Also

DateTimeInfo Members
DateTimeInfo Class
com.mindfusion.scheduling Namespace

DateTimeInfo.getAMDesignator Method

Gets the string designator for hours that are "ante meridiem" (before noon).

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public String getAMDesignator ()
```

Return Value

The string designator for hours that are ante meridiem. The default is "AM".

See Also

DateTimeInfo Members
DateTimeInfo Class
com.mindfusion.scheduling Namespace

DateTimeInfo.getDayName Method

Gets the name of the specified day of the week.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public String getDayName (
    DayOfWeek day
)
```

Parameters

day
One of the DayOfWeek constants.

Return Value

The full name of the specified day.

See Also

DateTimeInfo Members
DateTimeInfo Class
com.mindfusion.scheduling Namespace

DateTimeInfo.getDayNames Method

Gets the full names of the days of the week.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public String[] getDayNames ()
```

Return Value

A **String** array containing the full names of the days.

See Also

DateTimeInfo Members
DateTimeInfo Class
com.mindfusion.scheduling Namespace

DateTimeInfo.getFirstDayOfWeek Method

Gets the first day of the week.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public DayOfWeek getFirstDayOfWeek ()
```

Return Value

One of the DayOfWeek constants.

See Also

DateTimeInfo Members
DateTimeInfo Class
com.mindfusion.scheduling Namespace

DateTimeInfo.getFirstWeekendDay Method

Gets the first weekend day.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public DayOfWeek getFirstWeekendDay ()
```

Return Value

One of the DayOfWeek constants. The default is **DayOfWeek.Saturday**.

See Also

DateTimeInfo Members
DateTimeInfo Class
com.mindfusion.scheduling Namespace

DateTimeInfo.getLocale Method

Gets the underlying Locale.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Locale getLocale ()
```

Return Value

A **Locale** object.

See Also

DateTimeInfo Members
DateTimeInfo Class
com.mindfusion.scheduling Namespace

DateTimeInfo.getMonthNames Method

Gets the full names of the months.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public String[] getMonthNames ()
```

Return Value

A **String** array containing the full names of the months.

See Also

DateTimeInfo Members
DateTimeInfo Class
com.mindfusion.scheduling Namespace

DateTimeInfo.getPMDesignator Method

Gets the string designator for hours that are "post meridiem" (before noon).

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public String getPMDesignator ()
```

Return Value

The string designator for hours that are post meridiem. The default is "PM".

See Also

DateTimeInfo Members
DateTimeInfo Class
com.mindfusion.scheduling Namespace

DateTimeInfo.getSecondWeekendDay Method

Gets the second weekend day.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public DayOfWeek getSecondWeekendDay ()
```

Return Value

One of the DayOfWeek constants. The default is **DayOfWeek.Sunday**.

See Also

DateTimeInfo Members
DateTimeInfo Class
com.mindfusion.scheduling Namespace

DateTimeInfo.getWeekOfYear Method

Gets the week of the year for the specified date.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public int getWeekOfYear (
    DateTime date
)
```

Parameters

date
The DateTime object to test.

Return Value

The week number of the specified date.

See Also

DateTimeInfo Members
DateTimeInfo Class
com.mindfusion.scheduling Namespace

DateTimeInfo.isWeekend Method

Gets a value indicating whether the specified day of the week is a weekend day.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean isWeekend (
    DayOfWeek dayOfWeek
)
```

Parameters

dayOfWeek
One of the DayOfWeek constants.

Return Value

true if the specified day of the week is a weekend day; otherwise, **false**.

See Also

DateTimeInfo Members
DateTimeInfo Class
com.mindfusion.scheduling Namespace

DateTimeInfo.setFirstDayOfWeek Method

Sets the first day of the week.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setFirstDayOfWeek (
    DayOfWeek value
)
```

Parameters

value
One of the DayOfWeek constants.

See Also

DateTimeInfo Members
DateTimeInfo Class
com.mindfusion.scheduling Namespace

DateTimeInfo.setFirstWeekendDay Method

Sets the first weekend day.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setFirstWeekendDay (
    DayOfWeek value
)
```

Parameters

value
One of the DayOfWeek constants. The default is **DayOfWeek.Saturday**.

See Also

DateTimeInfo Members
DateTimeInfo Class
com.mindfusion.scheduling Namespace

DayOfWeekFormat Enumeration

Specifies the display format of a day of the week.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public enum DayOfWeekFormat
```

Members

	Member name	Description
	Abbreviated	The first three letters of the day of the week are displayed.
	Full	The complete name of the day of the week is displayed.
	SingleLetter	Only the first letter of the name of the day is displayed.

See Also

com.mindfusion.scheduling Namespace

DayOfWeekStyle Class

An instance of this class defines how a day of the week should be displayed and formatted.

Syntax

```
Java
public class DayOfWeekStyle
```

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.DayOfWeekStyle

See Also

DayOfWeekStyle Members
com.mindfusion.scheduling Namespace

DayOfWeekStyle Members

An instance of this class defines how a day of the week should be displayed and formatted.

The following tables list the members exposed by the DayOfWeekStyle type.

Public Constructors

	Name	Description
	DayOfWeekStyle	Initializes a new instance of the **DayOfWeekStyle** class.

Public Methods

	Name	Description
	getAllowItems	Gets a value indicating whether the calendar cell for the specified day allows items to be placed or created in it interactively.
	getAllowSelect	Gets a value indicating whether the specified day of the week can be selected.
	getDayOfWeek	Gets the day of the week to which this **DayOfWeekStyle** object is assigned.
	getPriority	Gets the style priority. If one date has several styles applied to it, only the highest in priority is taken into account.
	getStyle	Gets the visualization style of the specified day.
	setAllowItems	Sets a value indicating whether the calendar cell for the specified day allows items to be placed or created in it interactively.
	setAllowSelect	Sets a value indicating whether the specified day of the week can be selected.
	setDayOfWeek	Sets the day of the week to which this **DayOfWeekStyle** object is assigned.
	setPriority	Sets the style priority. If one date has several styles applied to it, only the highest in priority is taken into account.
	setStyle	Sets the visualization style of the specified day.

See Also

DayOfWeekStyle Class
com.mindfusion.scheduling Namespace

DayOfWeekStyle Constructor

Initializes a new instance of the DayOfWeekStyle class.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public DayOfWeekStyle ()
```

See Also

DayOfWeekStyle Class
com.mindfusion.scheduling Namespace

DayOfWeekStyle Methods

DayOfWeekStyle.getAllowItems Method

Gets a value indicating whether the calendar cell for the specified day allows items to be placed or created in it interactively.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public boolean getAllowItems ()
```

Return Value

true to let users place schedule items in the specified cells; otherwise, **false**. The default is **false**.

See Also

DayOfWeekStyle Members
DayOfWeekStyle Class
com.mindfusion.scheduling Namespace

DayOfWeekStyle.getAllowSelect Method

Gets a value indicating whether the specified day of the week can be selected.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public boolean getAllowSelect ()
```

Return Value

true to let users select the date cells; otherwise, **false**. The default is **true**.

See Also

DayOfWeekStyle Members
DayOfWeekStyle Class
com.mindfusion.scheduling Namespace

DayOfWeekStyle.getDayOfWeek Method

Gets the day of the week to which this DayOfWeekStyle object is assigned.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public DayOfWeek getDayOfWeek ()
```

Return Value

One of the DayOfWeek constants. The default is **DayOfWeek.Sunday**.

See Also

DayOfWeekStyle Members
DayOfWeekStyle Class
com.mindfusion.scheduling Namespace

DayOfWeekStyle.getPriority Method

Gets the style priority. If one date has several styles applied to it, only the highest in priority is taken into account.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public int getPriority ()
```

Return Value

An integer value specifying the priority of this style.

Remarks

When a time cell is included in the time intervals of several DateStyle or DayOfWeekStyle objects, the style that has the highest priority is used.

See Also

DayOfWeekStyle Members
DayOfWeekStyle Class
com.mindfusion.scheduling Namespace

DayOfWeekStyle.getStyle Method

Gets the visualization style of the specified day.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Style getStyle ()
```

Return Value

A Style object that defines the appearance of time cells included in the specified interval.

See Also

DayOfWeekStyle Members
DayOfWeekStyle Class
com.mindfusion.scheduling Namespace

DayOfWeekStyle.setAllowItems Method

Sets a value indicating whether the calendar cell for the specified day allows items to be placed or created in it interactively.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setAllowItems (
    boolean value
)
```

Parameters

value
true to let users place schedule items in the specified cells; otherwise, **false**. The default is **false**.

See Also

DayOfWeekStyle Members
DayOfWeekStyle Class
com.mindfusion.scheduling Namespace

DayOfWeekStyle.setAllowSelect Method

Sets a value indicating whether the specified day of the week can be selected.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setAllowSelect (
    boolean value
)
```

Parameters

value
true to let users select the date cells; otherwise, **false**. The default is **true**.

See Also

DayOfWeekStyle Members
DayOfWeekStyle Class
com.mindfusion.scheduling Namespace

DayOfWeekStyle.setDayOfWeek Method

Sets the day of the week to which this DayOfWeekStyle object is assigned.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setDayOfWeek (
    DayOfWeek value
)
```

Parameters

value
One of the DayOfWeek constants. The default is **DayOfWeek.Sunday**.

See Also

DayOfWeekStyle Members
DayOfWeekStyle Class
com.mindfusion.scheduling Namespace

DayOfWeekStyle.setPriority Method

Sets the style priority. If one date has several styles applied to it, only the highest in priority is taken into account.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
```

```
public void setPriority (
    int value
)
```

Parameters

value
An integer value specifying the priority of this style.

Remarks

When a time cell is included in the time intervals of several DateStyle or DayOfWeekStyle objects, the style that has the highest priority is used.

See Also

DayOfWeekStyle Members
DayOfWeekStyle Class
com.mindfusion.scheduling Namespace

DayOfWeekStyle.setStyle Method

Sets the visualization style of the specified day.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setStyle (
    Style value
)
```

Parameters

value
A Style object that defines the appearance of time cells included in the specified interval.

See Also

DayOfWeekStyle Members
DayOfWeekStyle Class
com.mindfusion.scheduling Namespace

DayOfWeekStyleList Class

Represents a list of DayOfWeekStyle objects.

Syntax

Java

```
public class DayOfWeekStyleList extends BaseList<E>
```

Inheritance Hierarchy

java.lang.Object
  java.util.AbstractCollection(E)
    java.util.AbstractList(E)
      com.mindfusion.common.BaseList(E)
        com.mindfusion.scheduling.DayOfWeekStyleList

See Also

DayOfWeekStyleList Members
com.mindfusion.scheduling Namespace

DayOfWeekStyleList Members

Represents a list of DayOfWeekStyle objects.

The following tables list the members exposed by the DayOfWeekStyleList type.

Public Constructors

	Name	Description
	DayOfWeekStyleList	Initializes a new instance of the **DayOfWeekStyleList** class.

Public Methods

	Name	Description
	add	Overloaded. (Inherited from BaseList.)
	addBaseListListener	Adds a BaseListListener to the list. (Inherited from BaseList.)
	clear	Removes all elements from the list. (Inherited from BaseList.)
	first	Gets the first element of this list. (Inherited from BaseList.)
	get	Returns the element at the specified position in the list. (Inherited from BaseList.)
	last	Gets the last element of this list. (Inherited from BaseList.)
	readExternal	(Inherited from BaseList.)
	remove	Overloaded. (Inherited from BaseList.)
	removeBaseListListener	Removes the specified **BaseListListener** from the list. (Inherited from BaseList.)
	set	Replaces the element at the specified position in this list with the specified element. (Inherited from BaseList.)
	size	Returns the number of elements in the list. (Inherited from BaseList.)
	writeExternal	(Inherited from BaseList.)

See Also

DayOfWeekStyleList Class
com.mindfusion.scheduling Namespace

DayOfWeekStyleList Constructor

Initializes a new instance of the DayOfWeekStyleList class.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java
`public DayOfWeekStyleList ()`

See Also

DayOfWeekStyleList Class
com.mindfusion.scheduling Namespace

DragDropEffects Enumeration

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java
`public enum DragDropEffects`

Members

	Member name	Description
	Move	

See Also

com.mindfusion.scheduling Namespace

DragFeedBackType Enumeration

Specifies the types of feedback provided when dragging items from ItemListView to Calendar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public enum DragFeedBackType
```

Members

	Member name	Description
	GhostImage	Show item's ghost image at drop position.
	InsertionLine	Show an insertion lines at drop position.

See Also

com.mindfusion.scheduling Namespace

DraggedItem Class

Class used to hold the Item instance during drag and drop.

Syntax

Java
`public class DraggedItem`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.DraggedItem

See Also

DraggedItem Members
com.mindfusion.scheduling Namespace

DraggedItem Members

Class used to hold the Item instance during drag and drop.

The following tables list the members exposed by the DraggedItem type.

Public Constructors

	Name	Description
	DraggedItem	Overloaded.

Public Methods

	Name	Description
	getDuration	Get duration calculated by Item (endTime - startTime)
	getIcon	get the icon displayed for item

	getItem	Get the item wrapped in DraggedItem
	getText	Get the text displayed for Item
	setDuration	Set the Duration between items
	setIcon	set the icon displayed for item
	setItem	Set the item that is wrapped in DraggedItem
	setText	set the text displayed for DraggedItem

See Also

DraggedItem Class
com.mindfusion.scheduling Namespace

DraggedItem Constructor

Overload List

Name	Description
DraggedItem (Item)	Initializes a new instance of the DraggedItem class.
DraggedItem (Item, String)	Initializes a new instance of the DraggedItem class.
DraggedItem (Item, String, Icon)	Initializes a new instance of the DraggedItem class.

See Also

DraggedItem Class
com.mindfusion.scheduling Namespace

DraggedItem Constructor (Item)

Initializes a new instance of the DraggedItem class.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public DraggedItem (
    Item item
)
```

Parameters

item
The dragged Item.

See Also

DraggedItem Constructor Overload List
DraggedItem Class
com.mindfusion.scheduling Namespace

DraggedItem Constructor (Item, String)

Initializes a new instance of the DraggedItem class.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public DraggedItem (
    Item item,
    String text
)
```

Parameters

item
The dragged Item

text
the text to display for item

See Also

DraggedItem Constructor Overload List
DraggedItem Class
com.mindfusion.scheduling Namespace

DraggedItem Constructor (Item, String, Icon)

Initializes a new instance of the DraggedItem class.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public DraggedItem (
    Item item,
    String text,
    Icon icon
)
```

Parameters

item
The dragged Item.

text
the text to display for item

icon

the icon to display for item

See Also

DraggedItem Constructor Overload List
DraggedItem Class
com.mindfusion.scheduling Namespace

DraggedItem Methods

DraggedItem.getDuration Method

Get duration calculated by Item (endTime - startTime)

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Duration getDuration ()
```

Return Value

A Duration Object

See Also

DraggedItem Members
DraggedItem Class
com.mindfusion.scheduling Namespace

DraggedItem.getIcon Method

get the icon displayed for item

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Icon getIcon ()
```

Return Value

See Also

DraggedItem Members
DraggedItem Class
com.mindfusion.scheduling Namespace

DraggedItem.getItem Method

Get the item wrapped in DraggedItem

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Item getItem ()
```

Return Value

See Also

DraggedItem Members
DraggedItem Class
com.mindfusion.scheduling Namespace

DraggedItem.getText Method

Get the text displayed for Item

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public String getText ()
```

Return Value

See Also

DraggedItem Members
DraggedItem Class
com.mindfusion.scheduling Namespace

DraggedItem.setDuration Method

Set the Duration between items

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setDuration (
    Duration duration
)
```

Parameters

duration
A Duration Object

See Also

DraggedItem Members
DraggedItem Class
com.mindfusion.scheduling Namespace

DraggedItem.setIcon Method

set the icon displayed for item

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setIcon (
    Icon icon
)
```

Parameters

icon

See Also

DraggedItem Members
DraggedItem Class
com.mindfusion.scheduling Namespace

DraggedItem.setItem Method

Set the item that is wrapped in DraggedItem

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setItem (
    Item item
)
```

Parameters

item

See Also

DraggedItem Members
DraggedItem Class
com.mindfusion.scheduling Namespace

DraggedItem.setText Method

set the text displayed for DraggedItem

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setText (
    String text
)
```

Parameters

text

See Also

DraggedItem Members
DraggedItem Class
com.mindfusion.scheduling Namespace

DraggedItemTransferable Class

Syntax

Java

```
public class DraggedItemTransferable implements Transferable
```

Inheritance Hierarchy

java.lang.Object
com.mindfusion.scheduling.DraggedItemTransferable

See Also

DraggedItemTransferable Members
com.mindfusion.scheduling Namespace

DraggedItemTransferable Members

The following tables list the members exposed by the DraggedItemTransferable type.

Public Constructors

	Name	Description
	DraggedItemTransferable	

Public Fields

	Name	Description
S	DRAGGED_ITEM_DATA_FLAVOR	

Public Methods

	Name	Description
	getTransferData	
	getTransferDataFlavors	
	isDataFlavorSupported	

See Also

DraggedItemTransferable Class
com.mindfusion.scheduling Namespace

DraggedItemTransferable Fields

DraggedItemTransferable.DRAGGED_ITEM_DATA_FLAVOR Field

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java
`public static final DataFlavor DRAGGED_ITEM_DATA_FLAVOR`

See Also

DraggedItemTransferable Members
DraggedItemTransferable Class
com.mindfusion.scheduling Namespace

DraggedItemTransferable Constructor

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public DraggedItemTransferable (
    DraggedItem item
)
```

Parameters

item

See Also

DraggedItemTransferable Class
com.mindfusion.scheduling Namespace

DraggedItemTransferable Methods

DraggedItemTransferable.getTransferData Method

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Object getTransferData (
    DataFlavor flavor
)
```

Parameters

flavor

Return Value

See Also

DraggedItemTransferable Members
DraggedItemTransferable Class
com.mindfusion.scheduling Namespace

DraggedItemTransferable.getTransferDataFlavors Method

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public DataFlavor[] getTransferDataFlavors ()
```

Return Value

See Also

DraggedItemTransferable Members
DraggedItemTransferable Class
com.mindfusion.scheduling Namespace

DraggedItemTransferable.isDataFlavorSupported Method

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean isDataFlavorSupported (
    DataFlavor flavor
)
```

Parameters

flavor

Return Value

See Also

DraggedItemTransferable Members
DraggedItemTransferable Class
com.mindfusion.scheduling Namespace

GlassEffect Class

Represents a glass-like visual effect.

Syntax

Java

```
public class GlassEffect extends ItemEffect
```

Remarks

This effect can be applied to the elements in an Calendar by adding an instance of this class to the Calendar.ItemEffects collection.

The following image illustrates the Glass effect applied to an item as well as how the different properties affect the output:



Example

The following example demonstrates how to apply glass effect to the items in a calendar.

Java
`calendar.getItemEffects().add(new GlassEffect());`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.ItemEffect
    com.mindfusion.scheduling.GlassEffect

See Also

GlassEffect Members
com.mindfusion.scheduling Namespace

GlassEffect Members

Represents a glass-like visual effect.

The following tables list the members exposed by the GlassEffect type.

Public Constructors

	Name	Description
	GlassEffect	Initializes a new instance of the **GlassEffect** class.

Public Methods

	Name	Description
	addPropertyChangeListener	Adds a PropertyChangeListener to the effect. (Inherited from ItemEffect.)
	getGlowColor	Gets the color of the glow portion of the effect.
	getReflectionColor	Gets the color of the reflection portion of the effect.
	getType	Gets the type of the glass effect.
	getUsePenAsGlow	Gets a value indicating whether the glow portion of the effect should be painted with the Pen color of the respective

		item.
	removePropertyChangeListener	Removes the specified PropertyChangeListener from the calendar. (Inherited from ItemEffect.)
	setGlowColor	Sets the color of the glow portion of the effect.
	setReflectionColor	Sets the color of the reflection portion of the effect.
	setType	Sets the type of the glass effect.
	setUsePenAsGlow	Sets a value indicating whether the glow portion of the effect should be painted with the Pen color of the respective item.

See Also

GlassEffect Class
com.mindfusion.scheduling Namespace

GlassEffect Constructor

Initializes a new instance of the GlassEffect class.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public GlassEffect ()
```

See Also

GlassEffect Class
com.mindfusion.scheduling Namespace

GlassEffect Methods

GlassEffect.getGlowColor Method

Gets the color of the glow portion of the effect.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Color getGlowColor ()
```

Return Value

A Color object. The default is Colors.White.

See Also

GlassEffect Members
GlassEffect Class
com.mindfusion.scheduling Namespace

GlassEffect.getReflectionColor Method

Gets the color of the reflection portion of the effect.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Color getReflectionColor ()
```

Return Value

A Color object. The default is Colors.White.

See Also

GlassEffect Members
GlassEffect Class
com.mindfusion.scheduling Namespace

GlassEffect.getType Method

Gets the type of the glass effect.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public GlassEffectType getType ()
```

Return Value

One of the GlassEffectType constants. The default is **GlassEffectType.Type1**.

See Also

GlassEffect Members
GlassEffect Class
com.mindfusion.scheduling Namespace

GlassEffect.getUsePenAsGlow Method

Gets a value indicating whether the glow portion of the effect should be painted with the Pen color of the respective item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public boolean getUsePenAsGlow ()
```

Return Value

true to ignore GlowColor and use the color of the pen for the effect glow; otherwise, **false**.

See Also

GlassEffect Members
GlassEffect Class
com.mindfusion.scheduling Namespace

GlassEffect.setGlowColor Method

Sets the color of the glow portion of the effect.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setGlowColor (
    Color value
)
```

Parameters

value
A Color object. The default is Colors.White.

See Also

GlassEffect Members
GlassEffect Class
com.mindfusion.scheduling Namespace

GlassEffect.setReflectionColor Method

Sets the color of the reflection portion of the effect.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setReflectionColor (
    Color value
)
```

Parameters

value
A Color object. The default is Colors.White.

See Also

GlassEffect Members
GlassEffect Class
com.mindfusion.scheduling Namespace

GlassEffect.setType Method

Sets the type of the glass effect.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setType (
    GlassEffectType value
)
```

Parameters

value
One of the GlassEffectType constants. The default is **GlassEffectType.Type1**.

See Also

GlassEffect Members
GlassEffect Class
com.mindfusion.scheduling Namespace

GlassEffect.setUsePenAsGlow Method

Sets a value indicating whether the glow portion of the effect should be painted with the Pen color of the respective item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setUsePenAsGlow (
    boolean value
)
```

Parameters

value
true to ignore GlowColor and use the color of the pen for the effect glow; otherwise, **false**.

See Also

GlassEffect Members
GlassEffect Class
com.mindfusion.scheduling Namespace

GlassEffectType Enumeration

Specifies the type of a GlassEffect node effect.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java
`public enum GlassEffectType`

Members

	Member name	Description
	Type1	Indicates a glass effect with soft radial glow at the bottom and a sharp reflection at the top.
	Type2	Indicates a glass effect with linear glow at the bottom and sharp reflection at the top.
	Type3	Indicates a glass effect with radial glow at the bottom and smooth reflection and emphasized outline at the top.
	Type4	Indicates a glass effect with sharp reflection at the top and soft glow at the left and right sides.

See Also

com.mindfusion.scheduling Namespace

GroupType Enumeration

Specifies grouping or filtering criteria for views that support grouping.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java
`public enum GroupType`

Members

	Member name	Description
	FilterByContacts	Filter by contacts.
	FilterByLocations	Filter by locations.
	FilterByResources	Filter by resources.
	FilterByTasks	Filter by tasks.
	GroupByContacts	Group by contacts.
	GroupByLocations	Group by locations.
	GroupByResources	Group by resources.
	GroupByTasks	Group by tasks.
	None	No grouping or filtering.

See Also

com.mindfusion.scheduling Namespace

ImageList Class

Represents a list of Image objects.

Syntax

Java
`public class ImageList extends BaseList<E>`

Inheritance Hierarchy

java.lang.Object
  java.util.AbstractCollection(E)
    java.util.AbstractList(E)
      com.mindfusion.common.BaseList(E)
        com.mindfusion.scheduling.ImageList

See Also

ImageList Members
com.mindfusion.scheduling Namespace

ImageList Members

Represents a list of Image objects.

The following tables list the members exposed by the ImageList type.

Public Constructors

	Name	Description
	ImageList	Initializes a new instance of the **ImageList** class.

Public Methods

	Name	Description
	add	Overloaded. (Inherited from BaseList.)
	addBaseListListener	Adds a BaseListListener to the list. (Inherited from BaseList.)
	clear	Removes all elements from the list. (Inherited from BaseList.)
	first	Gets the first element of this list. (Inherited from BaseList.)
	get	Returns the element at the specified position in the list. (Inherited from BaseList.)
	last	Gets the last element of this list. (Inherited from BaseList.)
	readExternal	(Inherited from BaseList.)
	remove	Overloaded. (Inherited from BaseList.)
	removeBaseListListener	Removes the specified **BaseListListener** from the list. (Inherited from BaseList.)
	set	Replaces the element at the specified position in this list with the specified element. (Inherited from BaseList.)
	size	Returns the number of elements in the list. (Inherited from BaseList.)
	writeExternal	(Inherited from BaseList.)

See Also

ImageList Class
com.mindfusion.scheduling Namespace

ImageList Constructor

Initializes a new instance of the ImageList class.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public ImageList ()
```

See Also

ImageList Class
com.mindfusion.scheduling Namespace

ItemAction Enumeration

Specifies a user action on a schedule item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public enum ItemAction
```

Members

	Member name	Description
	Move	Indicates that the item is being moved.
	None	Indicates no action.
	ResizeEnd	Indicates that the item's end is being modified.
	ResizeStart	Indicates that the item's start is being modified.

See Also

com.mindfusion.scheduling Namespace

ItemConfirmEvent Class

Contains the arguments passed to handlers of item validation events.

Syntax

Java

```
public class ItemConfirmEvent extends ItemEvent
```

Inheritance Hierarchy

java.lang.Object
  java.util.EventObject
    com.mindfusion.scheduling.model.ItemEvent
      com.mindfusion.scheduling.ItemConfirmEvent
        com.mindfusion.scheduling.ItemEditConfirmEvent
        com.mindfusion.scheduling.ItemModifyConfirmEvent

See Also

ItemConfirmEvent Members
com.mindfusion.scheduling Namespace

ItemConfirmEvent Members

Contains the arguments passed to handlers of item validation events.

The following tables list the members exposed by the ItemConfirmEvent type.

Public Constructors

	Name	Description
	ItemConfirmEvent	Initializes a new instance of the **ItemConfirmEvent** class.

Public Methods

	Name	Description
	getConfirm	Gets a value indicating whether the action related to this event should be confirmed or canceled.
	getItem	Gets the item related to the event. (Inherited from ItemEvent.)
	setConfirm	Sets a value indicating whether the action related to this event should be confirmed or canceled.

See Also

ItemConfirmEvent Class
com.mindfusion.scheduling Namespace

ItemConfirmEvent Constructor

Initializes a new instance of the ItemConfirmEvent class.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public ItemConfirmEvent (
    Object source,
    Item item
)
```

Parameters

source
The Calendar that raises this event.

item

The Item instance for which the event is raised.

See Also

ItemConfirmEvent Class
com.mindfusion.scheduling Namespace

ItemConfirmEvent Methods

ItemConfirmEvent.getConfirm Method

Gets a value indicating whether the action related to this event should be confirmed or canceled.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean getConfirm ()
```

Return Value

false to prevent the action or **true** to allow it.

See Also

ItemConfirmEvent Members
ItemConfirmEvent Class
com.mindfusion.scheduling Namespace

ItemConfirmEvent.setConfirm Method

Sets a value indicating whether the action related to this event should be confirmed or canceled.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setConfirm (
    boolean value
)
```

Parameters

value
false to prevent the action or **true** to allow it.

See Also

ItemConfirmEvent Members
ItemConfirmEvent Class

ItemDrawContext Class

Provides information about an item being drawn by an item viewer.

Syntax

Java

```
public class ItemDrawContext
```

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.ItemDrawContext

See Also

ItemDrawContext Members
com.mindfusion.scheduling Namespace

ItemDrawContext Members

Provides information about an item being drawn by an item viewer.

The following tables list the members exposed by the ItemDrawContext type.

Public Methods

	Name	Description
	drawBorder	Renders the frame around the specified rectangle.
	drawContentsText	Renders the item's contents text at the specified location.
	drawDefault	Overloaded. Renders the item in its default appearance.
	drawEndClock	Draws a clock icon representing the item's end time at the specified location.
	drawFormattedContentsText	Renders the item's contents text at the specified location. Some HTML tags within the item text are recognized and rendered accordingly.
	drawHeaderBorder	Renders the header frame around the specified rectangle.
	drawHeaderText	Renders the item's header text at the specified location.
	drawImage	Draws the specified image in the specified rectangle, using the specified alignment.
	drawRecurrenceIcon	Draws an icon representing the item's recurrence state at the specified location.
	drawReminderIcon	Draws an icon representing the item's reminder at the specified location.

	drawStartClock	Draws a clock icon representing the item's start time at the specified location.
	getBounds	Gets the rectangle bounding the item contents.
	getCalendar	Gets the Calendar component, associated with the item.
	getEndsHere	Gets a value indicating whether the item part being drawn is the last part of the item.
	getGraphics	Gets the target graphics object.
	getIsAllDayEvent	Gets a value indicating whether the item is an all day event or not. The item is always considered an all day event if it is drawn outside of a CalendarView.Timetable view.
	getIsHorizontal	Gets a value indicating the item's orientation.
	getIsMilestone	Gets a value indicating whether the item is rendered in milestone mode.
	getItem	Gets the item that is being drawn.
	getPointed	Gets a value indicating whether the mouse is over the drawn item.
	getStartsHere	Gets a value indicating whether the item part being drawn is the first part of the item.
	getStyle	Gets the style that should be used to draw the item.
	setGraphics	Sets the target graphics object.

See Also

ItemDrawContext Class
com.mindfusion.scheduling Namespace

ItemDrawContext Methods

ItemDrawContext.drawBorder Method

Renders the frame around the specified rectangle.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void drawBorder (
    Rectangle destination
)
```

Parameters

destination
The rectangle around which to render a border.

Remarks

This method renders a border around the specified rectangle using the settings from the underlying style, such as Style.getBorderLeftColor, Style.getBorderLeftWidth, and so on. Since the style is based on the current theme, the rendered frame is guaranteed to be theme independent, that is, the color and thickness of the frame, unless overridden, are the same as those specified in the current theme. If the theme is changed, the color and thickness are updated accordingly.

See Also

ItemDrawContext Members
ItemDrawContext Class
com.mindfusion.scheduling Namespace

ItemDrawContext.drawContentsText Method

Renders the item's contents text at the specified location.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean drawContentsText (
    Rectangle destination,
    boolean useSettings,
    boolean rotate
)
```

Parameters

destination
A reference to the destination rectangle. This rectangle might be changed in the process of rendering.

useSettings
Specifies whether to take into consideration validation properties, such as ItemSettings.getEnableDefaultRendering. Specify false for this property to perform unconditional rendering.

rotate
Specifies whether to rotate the text at 90 degree.

Return Value

true if the text has been rendered; otherwise, **false**.

Remarks

This method renders the Item.getDescriptionText of the underlying item using the settings from the underlying style, such as Style.getTextColor, Style.getTextAlignment, and so on. Since the style is based on the current theme, the rendered text is guaranteed to be theme independent, that is, the color and font of the text, unless overridden, are the same as those specified in the current theme. If the theme is changed, the font and color are updated accordingly.

See Also

ItemDrawContext Members
ItemDrawContext Class
com.mindfusion.scheduling Namespace

ItemDrawContext.drawDefault Method

Renders the item in its default appearance.

Overload List

Name	Description
ItemDrawContext.drawDefault ()	Renders the item in its default appearance.
ItemDrawContext.drawDefault (Rectangle)	Renders the item in its default appearance in the specified rectangle.

See Also

ItemDrawContext Members
ItemDrawContext Class
com.mindfusion.scheduling Namespace

ItemDrawContext.drawDefault Method ()

Renders the item in its default appearance.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java
`public void drawDefault ()`

See Also

drawDefault Method Overload List
ItemDrawContext Members
ItemDrawContext Class
com.mindfusion.scheduling Namespace

ItemDrawContext.drawDefault Method (Rectangle)

Renders the item in its default appearance in the specified rectangle.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void drawDefault (
    Rectangle bounds
)
```

Parameters

bounds
The rectangle in which to render the item.

See Also

drawDefault Method Overload List
ItemDrawContext Members
ItemDrawContext Class
com.mindfusion.scheduling Namespace

ItemDrawContext.drawEndClock Method

Draws a clock icon representing the item's end time at the specified location.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean drawEndClock (
    Rectangle destination,
    boolean useSettings
)
```

Parameters

destination
A reference to the destination rectangle. This rectangle might be changed in the process of rendering.

useSettings
Specifies whether to take into consideration validation properties, such as ItemSettings.getEnableDefaultRendering and ItemSettings.getShowClocks. Specify false for this property to perform unconditional rendering.

Return Value

true if the icon has been rendered; otherwise, **false**.

See Also

ItemDrawContext Members
ItemDrawContext Class
com.mindfusion.scheduling Namespace

ItemDrawContext.drawFormattedContentsText Method

Renders the item's contents text at the specified location. Some HTML tags within the item text are recognized and rendered accordingly.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean drawFormattedContentsText (
    Rectangle destination,
    boolean useSettings
)
```

Parameters

destination
A reference to the destination rectangle. This rectangle might be changed in the process of rendering.

useSettings
Specifies whether to take into consideration validation properties, such as ItemSettings.getEnableDefaultRendering. Specify false for this property to perform the rendering unconditionally.

Return Value

true if the text has been rendered; otherwise, **false**.

Remarks

This method renders the Item.getDescriptionText of the underlying item using the settings from the underlying style, such as Style.getTextColor, Style.getTextAlignment, and so on. The method also takes into consideration some HTML formatting tags, such as <b>, <i> and <color>. Since the style is based on the current theme, the rendered text is guaranteed to be theme independent, that is, the color and font of the text, unless overridden, are the same as those specified in the current theme. If the theme is changed, the font and color are updated accordingly.

See Also

ItemDrawContext Members
ItemDrawContext Class
com.mindfusion.scheduling Namespace

ItemDrawContext.drawHeaderBorder Method

Renders the header frame around the specified rectangle.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void drawHeaderBorder (
    Rectangle destination
)
```

Parameters

destination

The rectangle in which to render the item.

Remarks

This method renders a border around the specified rectangle using the settings from the underlying style, such as Style.getHeaderBorderLeftColor, Style.getHeaderBorderLeftWidth, and so on. Since the style is based on the current theme, the rendered frame is guaranteed to be theme independent, that is, the color and thickness of the frame, unless overridden, are the same as those specified in the current theme. If the theme is changed, the color and thickness are updated accordingly.

See Also

ItemDrawContext Members
ItemDrawContext Class
com.mindfusion.scheduling Namespace

ItemDrawContext.drawHeaderText Method

Renders the item's header text at the specified location.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean drawHeaderText (
    Rectangle destination,
    boolean useSettings,
    boolean rotate
)
```

Parameters

destination
A reference to the destination rectangle. This rectangle might be changed in the process of rendering.

useSettings
Specifies whether to take into consideration validation properties, such as ItemSettings.getEnableDefaultRendering. Specify false for this property to perform unconditional rendering.

rotate
Specifies whether to rotate the text at 90 degree.

Return Value

true if the text has been rendered; otherwise, **false**.

See Also

ItemDrawContext Members
ItemDrawContext Class
com.mindfusion.scheduling Namespace

ItemDrawContext.drawImage Method

Draws the specified image in the specified rectangle, using the specified alignment.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void drawImage (
    Image image,
    Rectangle bounds,
    ImageAlignment alignment
)
```

Parameters

image
The image to draw.

bounds
The destination rectangle.

alignment
The alignment to use when drawing.

See Also

ItemDrawContext Members
ItemDrawContext Class
com.mindfusion.scheduling Namespace

ItemDrawContext.drawRecurrenceIcon Method

Draws an icon representing the item's recurrence state at the specified location.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean drawRecurrenceIcon (
    Rectangle destination,
    boolean useSettings
)
```

Parameters

destination
A reference to the destination rectangle. This rectangle might be changed in the process of rendering.

useSettings
Specifies whether to take into consideration validation properties, such as ItemSettings.getEnableDefaultRendering, ItemSettings.getShowRecurrenceIcons and ItemSettings.getShowRecurrenceExceptionIcons. Specify false for this property to perform unconditional rendering.

Return Value

true if the icon has been rendered; otherwise, **false**.

See Also

ItemDrawContext Members
ItemDrawContext Class
com.mindfusion.scheduling Namespace

ItemDrawContext.drawReminderIcon Method

Draws an icon representing the item's reminder at the specified location.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean drawReminderIcon (
    Rectangle destination,
    boolean useSettings
)
```

Parameters

destination
A reference to the destination rectangle. This rectangle might be changed in the process of rendering.

useSettings
Specifies whether to take into consideration validation properties, such as ItemSettings.getEnableDefaultRendering and ItemSettings.getShowReminderIcons. Specify false for this property to perform unconditional rendering.

Return Value

true if an icon has been drawn; otherwise, **false**.

See Also

ItemDrawContext Members
ItemDrawContext Class
com.mindfusion.scheduling Namespace

ItemDrawContext.drawStartClock Method

Draws a clock icon representing the item's start time at the specified location.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean drawStartClock (
    Rectangle destination,
```

```
    boolean useSettings
)
```

Parameters

destination
A reference to the destination rectangle. This rectangle might be changed in the process of rendering.

useSettings
Specifies whether to take into consideration validation properties, such as ItemSettings.getEnableDefaultRendering and ItemSettings.getShowClocks. Specify false for this property to perform unconditional rendering.

Return Value

true if the icon has been rendered; otherwise, **false**.

See Also

ItemDrawContext Members
ItemDrawContext Class
com.mindfusion.scheduling Namespace

ItemDrawContext.getBounds Method

Gets the rectangle bounding the item contents.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Rectangle getBounds ()
```

Return Value

A Rectangle object.

Remarks

The item viewer must paint the item inside these bounds.

See Also

ItemDrawContext Members
ItemDrawContext Class
com.mindfusion.scheduling Namespace

ItemDrawContext.getCalendar Method

Gets the Calendar component, associated with the item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Calendar getCalendar ()
```

Return Value

The Calendar object associated with the item viewer.

Remarks

A class can be set as an item viewer using the ItemViewerAttribute attribute.

See Also

ItemDrawContext Members
ItemDrawContext Class
com.mindfusion.scheduling Namespace

ItemDrawContext.getEndsHere Method

Gets a value indicating whether the item part being drawn is the last part of the item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public boolean getEndsHere ()
```

Return Value

true if the last part of an item is being painted; otherwise, **false**.

Remarks

Items consist of several parts when they span several time cells in the month, list and week range views.

See Also

ItemDrawContext Members
ItemDrawContext Class
com.mindfusion.scheduling Namespace

ItemDrawContext.getGraphics Method

Gets the target graphics object.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Graphics2D getGraphics ()
```

Return Value

An instance of the **Graphics2D** interface that must be used to paint the item.

Remarks

A custom item viewer should use this **Graphics2D** instance to draw a schedule item.

See Also

ItemDrawContext Members
ItemDrawContext Class
com.mindfusion.scheduling Namespace

ItemDrawContext.getIsAllDayEvent Method

Gets a value indicating whether the item is an all day event or not. The item is always considered an all day event if it is drawn outside of a CalendarView.Timetable view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean getIsAllDayEvent ()
```

Return Value

true if the item being painted is an all-day event; otherwise, **false**.

See Also

ItemDrawContext Members
ItemDrawContext Class
com.mindfusion.scheduling Namespace

ItemDrawContext.getIsHorizontal Method

Gets a value indicating the item's orientation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean getIsHorizontal ()
```

Return Value

true if the item is painted horizontally; otherwise, **false**.

Remarks

Items are painted horizontally or vertically depending on the orientation of the current view.

See Also

ItemDrawContext Members
ItemDrawContext Class
com.mindfusion.scheduling Namespace

ItemDrawContext.getIsMilestone Method

Gets a value indicating whether the item is rendered in milestone mode.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean getIsMilestone ()
```

Return Value

true indicates that the item is currently laid out and rendered in milestone mode, that is, the ListViewSettings.setEnableMilestoneMode property of the ListViewSettings class is set to **true**; otherwise, **false**.

See Also

ItemDrawContext Members
ItemDrawContext Class
com.mindfusion.scheduling Namespace

ItemDrawContext.getItem Method

Gets the item that is being drawn.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Item getItem ()
```

Return Value

The schedule item that must be painted by the item viewer.

See Also

ItemDrawContext Members
ItemDrawContext Class
com.mindfusion.scheduling Namespace

ItemDrawContext.getPointed Method

Gets a value indicating whether the mouse is over the drawn item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public boolean getPointed ()
```

Return Value

true if the mouse is currently over the item; otherwise, **false**.

Remarks

You can inspect the value of this property if you intend to change the appearance of your items when the mouse hovers over them. For example, you might wish to implement some form of highlighting.

See Also

ItemDrawContext Members
ItemDrawContext Class
com.mindfusion.scheduling Namespace

ItemDrawContext.getStartsHere Method

Gets a value indicating whether the item part being drawn is the first part of the item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public boolean getStartsHere ()
```

Return Value

true if the first part of an item is being painted; otherwise, **false**.

Remarks

Items consist of several parts when they span several time cells in the month, list and week range views.

See Also

ItemDrawContext Members
ItemDrawContext Class
com.mindfusion.scheduling Namespace

ItemDrawContext.getStyle Method

Gets the style that should be used to draw the item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Style getStyle ()
```

Return Value

The Style for the item being painted.

See Also

ItemDrawContext Members
ItemDrawContext Class
com.mindfusion.scheduling Namespace

ItemDrawContext.setGraphics Method

Sets the target graphics object.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setGraphics (
    Graphics2D value
)
```

Parameters

value
An instance of the **Graphics2D** interface that must be used to paint the item.

Remarks

A custom item viewer should use this **Graphics2D** instance to draw a schedule item.

See Also

ItemDrawContext Members
ItemDrawContext Class
com.mindfusion.scheduling Namespace

ItemEditConfirmEvent Class

Contains the arguments passed to handlers of the CalendarListener.itemInplaceEditEnding event.

Syntax

Java
`public class ItemEditConfirmEvent extends ItemConfirmEvent`

Inheritance Hierarchy

java.lang.Object
  java.util.EventObject
    com.mindfusion.scheduling.model.ItemEvent
      com.mindfusion.scheduling.ItemConfirmEvent
        com.mindfusion.scheduling.ItemEditConfirmEvent

See Also

ItemEditConfirmEvent Members
com.mindfusion.scheduling Namespace

ItemEditConfirmEvent Members

Contains the arguments passed to handlers of the CalendarListener.itemInplaceEditEnding event.

The following tables list the members exposed by the ItemEditConfirmEvent type.

Public Constructors

	Name	Description
	ItemEditConfirmEvent	Initializes a new instance of the **ItemEditConfirmEvent** class.

Public Methods

	Name	Description
	getConfirm	Gets a value indicating whether the action related to this event should be confirmed or canceled. (Inherited from ItemConfirmEvent.)
	getItem	Gets the item related to the event. (Inherited from ItemEvent.)
	getNewText	Gets the new text that will be applied to the item if the in-place editing operation is allowed.
	setConfirm	Sets a value indicating whether the action related to this event should be confirmed or canceled. (Inherited from ItemConfirmEvent.)

See Also

ItemEditConfirmEvent Constructor

Initializes a new instance of the ItemEditConfirmEvent class.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public ItemEditConfirmEvent (
    Object source,
    Item item,
    String newText
)
```

Parameters

source
The Calendar that raises this event.

item
The Item instance for which the event is raised.

newText
The new text that will be applied to the item.

See Also

ItemEditConfirmEvent Class
com.mindfusion.scheduling Namespace

ItemEditConfirmEvent Methods

ItemEditConfirmEvent.getNewText Method

Gets the new text that will be applied to the item if the in-place editing operation is allowed.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public String getNewText ()
```

Return Value

A string containing the new text of the item.

See Also

ItemEditConfirmEvent Members
ItemEditConfirmEvent Class
com.mindfusion.scheduling Namespace

ItemEditContext Class

Provides information about an item when it is being in-place edited.

Syntax

Java
`public class ItemEditContext`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.ItemEditContext

See Also

ItemEditContext Members
com.mindfusion.scheduling Namespace

ItemEditContext Members

Provides information about an item when it is being in-place edited.

The following tables list the members exposed by the ItemEditContext type.

Public Methods

	Name	Description
	accept	Accepts the changes made on the item during the in-place editing.
	cancel	Cancels the in-place editing mode.
	getBounds	Gets the rectangle bounding the item contents.
	getCalendar	Gets the Calendar component, associated with the item.
	getIsHorizontal	Gets a value indicating the item's orientation.
	getItem	Gets the item that is being edited.
	getTextAlignment	Gets the alignment of the text of the item being edited.
	getTextFont	Gets the font of the text of the item being edited.

See Also

ItemEditContext Class
com.mindfusion.scheduling Namespace

ItemEditContext Methods

ItemEditContext.accept Method

Accepts the changes made on the item during the in-place editing.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void accept ()
```

Remarks

Invoke this method when the user has confirmed the in-place editing of an item through the custom editor control.

See Also

ItemEditContext Members
ItemEditContext Class
com.mindfusion.scheduling Namespace

ItemEditContext.cancel Method

Cancels the in-place editing mode.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void cancel ()
```

Remarks

Invoke this method when the user has canceled the in-place editing of an item through the custom editor control.

See Also

ItemEditContext Members
ItemEditContext Class
com.mindfusion.scheduling Namespace

ItemEditContext.getBounds Method

Gets the rectangle bounding the item contents.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Rectangle getBounds ()
```

Return Value

A Rectangle object.

Remarks

The item is painted inside these bounds, so the custom editor should be displayed in them or near them.

See Also

ItemEditContext Members
ItemEditContext Class
com.mindfusion.scheduling Namespace

ItemEditContext.getCalendar Method

Gets the Calendar component, associated with the item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Calendar getCalendar ()
```

Return Value

A Calendar object.

See Also

ItemEditContext Members
ItemEditContext Class
com.mindfusion.scheduling Namespace

ItemEditContext.getIsHorizontal Method

Gets a value indicating the item's orientation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public boolean getIsHorizontal ()
```

Return Value

true if the item is painted horizontally; otherwise, **false**.

Remarks

Items are painted horizontally or vertically depending on the orientation of the current view.

See Also

ItemEditContext Members
ItemEditContext Class
com.mindfusion.scheduling Namespace

ItemEditContext.getItem Method

Gets the item that is being edited.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Item getItem ()
```

Return Value

An Item object.

See Also

ItemEditContext Members
ItemEditContext Class
com.mindfusion.scheduling Namespace

ItemEditContext.getTextAlignment Method

Gets the alignment of the text of the item being edited.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public HorizontalAlignment getTextAlignment ()
```

Return Value

One of the TextAlignment constants.

Remarks

This value corresponds to the Style.getTextAlignment of the style associated with the item being edited.

See Also

ItemEditContext Members
ItemEditContext Class
com.mindfusion.scheduling Namespace

ItemEditContext.getTextFont Method

Gets the font of the text of the item being edited.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Font getTextFont ()
```

Return Value

A Font object.

See Also

ItemEditContext Members
ItemEditContext Class
com.mindfusion.scheduling Namespace

ItemEditor Interface

Defines the interface that must be implemented by item editor classes.

Syntax

Java

```
public interface ItemEditor
```

See Also

ItemEditor Members
com.mindfusion.scheduling Namespace

ItemEditor Members

Defines the interface that must be implemented by item editor classes.

The following tables list the members exposed by the ItemEditor type.

Public Methods

	Name	Description
	endEdit	Invoked when an operation outside of the item editor causes the editor to be closed.
	getText	Gets the new header text of the item, when the in-place editing operation is about to be confirmed via CalendarListener.itemInplaceEditEnding event.
	startEdit	Invoked for an item when the user initiates in-place editing operation.

See Also

ItemEditor Interface
com.mindfusion.scheduling Namespace

ItemEditor Methods

ItemEditor.endEdit Method

Invoked when an operation outside of the item editor causes the editor to be closed.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void endEdit (
    ItemEditContext context,
    boolean accept
)
```

Parameters

context
An instance of the ItemEditContext class that exposes information about the edit operation.

accept
true to accept the change, **false** to cancel it.

Remarks

This method is invoked by the Calendar when it closes the editor.

See Also

ItemEditor Members
ItemEditor Interface
com.mindfusion.scheduling Namespace

ItemEditor.getText Method

Gets the new header text of the item, when the in-place editing operation is about to be confirmed via CalendarListener.itemInplaceEditEnding event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
String getText ()
```

Return Value

A string containing the item's header text.

See Also

ItemEditor Members
ItemEditor Interface
com.mindfusion.scheduling Namespace

ItemEditor.startEdit Method

Invoked for an item when the user initiates in-place editing operation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
void startEdit (
    ItemEditContext context
)
```

Parameters

context
An object, containing all information required to start editing the item.

Remarks

By the time this function is invoked the custom control is created, positioned and displayed in the Calendar. It is a responsibility of the derived class to initialize the fields of the custom control with the desired data from the item being edited.

See Also

ItemEditor Members
ItemEditor Interface
com.mindfusion.scheduling Namespace

ItemEditorAttribute Interface

Associates a custom item editor with a schedule item class.

Syntax

Java
`public interface ItemEditorAttribute extends Annotation`

See Also

ItemEditorAttribute Members
com.mindfusion.scheduling Namespace

ItemEditorAttribute Members

Associates a custom item editor with a schedule item class.

The following tables list the members exposed by the ItemEditorAttribute type.

See Also

ItemEditorAttribute Interface
com.mindfusion.scheduling Namespace

ItemEffect Class

Represents the base class of all visual effects that can be applied to the elements in an Calendar.

Syntax

Java
`public abstract class ItemEffect`

Remarks

Effects can be applied by adding instances of the concrete effect classes to the Calendar.ItemEffects collection.

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.ItemEffect
    com.mindfusion.scheduling.AeroEffect
    com.mindfusion.scheduling.GlassEffect

See Also

ItemEffect Members
com.mindfusion.scheduling Namespace

ItemEffect Members

Represents the base class of all visual effects that can be applied to the elements in an Calendar.

The following tables list the members exposed by the ItemEffect type.

Protected Constructors

	Name	Description
	ItemEffect	Initializes a new instance of the **ItemEffect** class.

Public Methods

	Name	Description
	addPropertyChangeListener	Adds a PropertyChangeListener to the effect.
	removePropertyChangeListener	Removes the specified PropertyChangeListener from the calendar.

See Also

ItemEffect Class
com.mindfusion.scheduling Namespace

ItemEffect Constructor

Initializes a new instance of the ItemEffect class.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected ItemEffect ()
```

See Also

ItemEffect Class
com.mindfusion.scheduling Namespace

ItemEffect Methods

ItemEffect.addPropertyChangeListener Method

Adds a PropertyChangeListener to the effect.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void addPropertyChangeListener (
    PropertyChangeListener listener
)
```

Parameters

listener
The PropertyChangeListener to be added.

See Also

ItemEffect Members
ItemEffect Class
com.mindfusion.scheduling Namespace

ItemEffect.removePropertyChangeListener Method

Removes the specified PropertyChangeListener from the calendar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void removePropertyChangeListener (
    PropertyChangeListener listener
)
```

Parameters

listener
The listener to be removed.

See Also

ItemEffect Members
ItemEffect Class
com.mindfusion.scheduling Namespace

ItemListEvent Class

Contains the arguments passed to the itemSelected and itemRemoved event handlers.

Syntax

Java

```
public class ItemListEvent
```

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.ItemListEvent

See Also

ItemListEvent Members

Contains the arguments passed to the itemSelected and itemRemoved event handlers.

The following tables list the members exposed by the ItemListEvent type.

Public Constructors

	Name	Description
	ItemListEvent	Overloaded.

Public Methods

	Name	Description
	getIndex	Gets the index of the item within its containing collection.
	getItem	Gets the item related to the event.
	setIndex	Sets the index of the item within its containing collection.

See Also

ItemListEvent Class
com.mindfusion.scheduling Namespace

ItemListEvent Constructor

Overload List

Name	Description
ItemListEvent (Item)	
ItemListEvent (Item, Int32)	

See Also

ItemListEvent Class
com.mindfusion.scheduling Namespace

ItemListEvent Constructor (Item)

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public ItemListEvent (
    Item item
)
```

Parameters

item
The item related to the event.

See Also

ItemListEvent Constructor Overload List
ItemListEvent Class
com.mindfusion.scheduling Namespace

ItemListEvent Constructor (Item, Int32)

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public ItemListEvent (
    Item item,
    int index
)
```

Parameters

item
The item related to the event.

index
The zero-based index of the item within its containing collection.

See Also

ItemListEvent Constructor Overload List
ItemListEvent Class
com.mindfusion.scheduling Namespace

ItemListEvent Methods

ItemListEvent.getIndex Method

Gets the index of the item within its containing collection.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public int getIndex ()
```

Return Value

See Also

ItemListEvent Members
ItemListEvent Class
com.mindfusion.scheduling Namespace

ItemListEvent.getItem Method

Gets the item related to the event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Item getItem ()
```

Return Value

See Also

ItemListEvent Members
ItemListEvent Class
com.mindfusion.scheduling Namespace

ItemListEvent.setIndex Method

Sets the index of the item within its containing collection.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setIndex (
    int index
)
```

Parameters

index

See Also

ItemListEvent Members
ItemListEvent Class
com.mindfusion.scheduling Namespace

ItemListLaneChangedEvent Class

Contains the arguments passed to handlers of the CalendarListener.itemListLaneChanged event.

Syntax

Java
`public class ItemListLaneChangedEvent extends ItemEvent`

Inheritance Hierarchy

java.lang.Object
  java.util.EventObject
    com.mindfusion.scheduling.model.ItemEvent
      com.mindfusion.scheduling.ItemListLaneChangedEvent

See Also

ItemListLaneChangedEvent Members
com.mindfusion.scheduling Namespace

ItemListLaneChangedEvent Members

Contains the arguments passed to handlers of the CalendarListener.itemListLaneChanged event.

The following tables list the members exposed by the ItemListLaneChangedEvent type.

Public Constructors

	Name	Description
	ItemListLaneChangedEvent	Initializes a new instance of the **ItemListLaneChangedEvent** class.

Public Methods

	Name	Description
	getItem	Gets the item related to the event. (Inherited from ItemEvent.)
	getOldListLane	Gets the previous list lane of the item.

See Also

ItemListLaneChangedEvent Class
com.mindfusion.scheduling Namespace

ItemListLaneChangedEvent Constructor

Initializes a new instance of the ItemListLaneChangedEvent class.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public ItemListLaneChangedEvent (
    Object source,
    Item item,
    int oldListLane
)
```

Parameters

source

item
The Item instance for which the event is raised.

oldListLane
The previous lane of the item.

See Also

ItemListLaneChangedEvent Class
com.mindfusion.scheduling Namespace

ItemListLaneChangedEvent Methods

ItemListLaneChangedEvent.getOldListLane Method

Gets the previous list lane of the item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public int getOldListLane ()
```

Return Value

An integer specifying the previous list lane of the modified item.

See Also

ItemListLaneChangedEvent Members
ItemListLaneChangedEvent Class
com.mindfusion.scheduling Namespace

ItemListView Class

Represents a list control containing Item objects. Items from the list can be dragged to a Calendar to create new items.

Syntax

Java
`public class ItemListView extends JList<E>`

Inheritance Hierarchy

java.lang.Object
  java.awt.Component
    java.awt.Container
      javax.swing.JComponent
        javax.swing.JList(E)
          com.mindfusion.scheduling.ItemListView

See Also

ItemListView Members
com.mindfusion.scheduling Namespace

ItemListView Members

Represents a list control containing Item objects. Items from the list can be dragged to a Calendar to create new items.

The following tables list the members exposed by the ItemListView type.

Public Constructors

	Name	Description
	ItemListView	Initializes a new instance of the ItemListView class.

Public Methods

	Name	Description
	addItem	Overloaded.
	addItemListViewListener	Registers listener to receive events when users select or delete items from the list.
	addItems	Overloaded.
	clearItems	Removes all items from the list view.
	getIconMargin	Gets the horizontal and vertical margins around the items.
	getItemAt	Gets the item at the specified position.
	getItemsCount	Gets the number of items in the list view.

	getItemSize	Gets the size of the icons displayed in the list.
	getShowIcons	Gets a value indicating whether to show icons for each list item.
	getShowLabels	Gets a value indicating whether to show text labels along with icons for each list item.
	insertItem	Overloaded.
	removeItemAt	Removes the item at the specified position.
	removeItemListViewListener	Unregisters listener not to receive ItemListView events.
	setIconMargin	Sets the horizontal and vertical margins around the items.
	setItemSize	Sets the size of the icons displayed in the list.
	setShowIcons	Sets a value specifying whether to show icons for each list item.
	setShowLabels	Sets a value specifying whether to show text labels along with icons for each list item.

Protected Methods

	Name	Description
	onItemSelected	
	onMousePressed	
	onSelected	

See Also

ItemListView Class
com.mindfusion.scheduling Namespace

ItemListView Constructor

Initializes a new instance of the ItemListView class.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public ItemListView ()
```

See Also

ItemListView Class
com.mindfusion.scheduling Namespace

ItemListView Methods

ItemListView.addItem Method

Overload List

Name	Description
ItemListView.addItem (Item)	Adds a new item to the end of the list view.
ItemListView.addItem (Item, String)	Adds a new item to the end of the list view.
ItemListView.addItem (Item, String, Icon)	Adds a new item to the end of the list view.

See Also

ItemListView Members
ItemListView Class
com.mindfusion.scheduling Namespace

ItemListView.addItem Method (Item)

Adds a new item to the end of the list view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void addItem (
    Item item
)
```

Parameters

item
The item to add.

See Also

addItem Method Overload List
ItemListView Members
ItemListView Class
com.mindfusion.scheduling Namespace

ItemListView.addItem Method (Item, String)

Adds a new item to the end of the list view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void addItem (
    Item item,
    String label
)
```

Parameters

item
The item to add.

label
The text to be displayed for the item.

See Also

addItem Method Overload List
ItemListView Members
ItemListView Class
com.mindfusion.scheduling Namespace

ItemListView.addItem Method (Item, String, Icon)

Adds a new item to the end of the list view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void addItem (
    Item item,
    String label,
    Icon icon
)
```

Parameters

item
The item to add.

label
The text to be displayed for the item.

icon
the icon to be displayed for the item

See Also

addItem Method Overload List
ItemListView Members
ItemListView Class
com.mindfusion.scheduling Namespace

ItemListView.addItemListViewListener Method

Registers listener to receive events when users select or delete items from the list.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void addItemListViewListener (
    ItemListViewListener listener
)
```

Parameters

listener
An object implementing the ItemListViewListener interface.

See Also

ItemListView Members
ItemListView Class
com.mindfusion.scheduling Namespace

ItemListView.addItems Method

Overload List

Name	Description
ItemListView.addItems (Item[])	Adds the specified items to the end of the list box.
ItemListView.addItems (Item[], String[])	Adds the specified items to the end of the list box.
ItemListView.addItems (Item[], String[], Icon[])	Adds the specified items to the end of the list box.
ItemListView.addItems (SchedulingItemList)	Adds the specified items to the end of the list box.
ItemListView.addItems (SchedulingItemList, List(String))	Adds the specified items to the end of the list box.
ItemListView.addItems (SchedulingItemList, List(String), List(Icon))	Adds the specified items to the end of the list box.

See Also

ItemListView Members
ItemListView Class
com.mindfusion.scheduling Namespace

ItemListView.addItems Method (Item[])

Adds the specified items to the end of the list box.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void addItems (
    Item[] itemList
)
```

Parameters

itemList
The collection of items to add.

See Also

addItems Method Overload List
ItemListView Members
ItemListView Class
com.mindfusion.scheduling Namespace

ItemListView.addItems Method (Item[], String[])

Adds the specified items to the end of the list box.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void addItems (
    Item[] itemList,
    String[] textList
)
```

Parameters

itemList
The collection of items to add.

textList
The List of texts to be displayed for the items.

See Also

addItems Method Overload List
ItemListView Members
ItemListView Class
com.mindfusion.scheduling Namespace

ItemListView.addItems Method (Item[], String[], Icon[])

Adds the specified items to the end of the list box.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void addItems (
    Item[] itemList,
    String[] textList,
    Icon[] iconList
)
```

Parameters

itemList
The collection of items to add.

textList
The List of texts to be displayed for the items.

iconList
The List of Icon to be displayed for the items.

See Also

addItems Method Overload List
ItemListView Members
ItemListView Class
com.mindfusion.scheduling Namespace

ItemListView.addItems Method (SchedulingItemList)

Adds the specified items to the end of the list box.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void addItems (
    SchedulingItemList itemList
)
```

Parameters

itemList
The collection of items to add.

See Also

addItems Method Overload List
ItemListView Members

ItemListView.addItems Method (SchedulingItemList, List(String))

Adds the specified items to the end of the list box.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void addItems (
    SchedulingItemList itemList,
    List<String> textList
)
```

Parameters

itemList
The collection of items to add.

textList
The List of texts to be displayed for the items.

See Also

addItems Method Overload List
ItemListView Members
ItemListView Class
com.mindfusion.scheduling Namespace

ItemListView.addItems Method (SchedulingItemList, List(String), List(Icon))

Adds the specified items to the end of the list box.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void addItems (
    SchedulingItemList itemList,
    List<String> textList,
    List<Icon> iconList
)
```

Parameters

itemList
The collection of items to add.

textList
The List of texts to be displayed for the items.

iconList

The List of Icon to be displayed for the items.

See Also

addItems Method Overload List
ItemListView Members
ItemListView Class
com.mindfusion.scheduling Namespace

ItemListView.clearItems Method

Removes all items from the list view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void clearItems ()
```

See Also

ItemListView Members
ItemListView Class
com.mindfusion.scheduling Namespace

ItemListView.getIconMargin Method

Gets the horizontal and vertical margins around the items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Dimension getIconMargin ()
```

Return Value

A Dimension instance specifying the icon margins.

See Also

ItemListView Members
ItemListView Class
com.mindfusion.scheduling Namespace

ItemListView.getItemAt Method

Gets the item at the specified position.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Item getItemAt (
    int index
)
```

Parameters

index
An integer value specifying the item's index in the list.

Return Value

The Item at the specified position.

See Also

ItemListView Members
ItemListView Class
com.mindfusion.scheduling Namespace

ItemListView.getItemsCount Method

Gets the number of items in the list view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public int getItemsCount ()
```

Return Value

See Also

ItemListView Members
ItemListView Class
com.mindfusion.scheduling Namespace

ItemListView.getItemSize Method

Gets the size of the icons displayed in the list.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Dimension getItemSize ()
```

Return Value

A Dimension instance specifying the icon size.

See Also

ItemListView Members
ItemListView Class
com.mindfusion.scheduling Namespace

ItemListView.getShowIcons Method

Gets a value indicating whether to show icons for each list item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean getShowIcons ()
```

Return Value

true if icons are shown.

See Also

ItemListView Members
ItemListView Class
com.mindfusion.scheduling Namespace

ItemListView.getShowLabels Method

Gets a value indicating whether to show text labels along with icons for each list item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean getShowLabels ()
```

Return Value

true if labels are shown.

See Also

ItemListView.insertItem Method

Overload List

Name	Description
ItemListView.insertItem (Int32, Item)	Inserts the item at the specified position.
ItemListView.insertItem (Int32, Item, String)	Inserts the item at the specified position.
ItemListView.insertItem (Int32, Item, String, Icon)	Inserts the item at the specified position.

See Also

ItemListView Members
ItemListView Class
com.mindfusion.scheduling Namespace

ItemListView.insertItem Method (Int32, Item)

Inserts the item at the specified position.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void insertItem (
    int index,
    Item item
)
```

Parameters

index
The zero-based index at which the item should be inserted.

item
The Item to insert.

See Also

insertItem Method Overload List
ItemListView Members
ItemListView Class
com.mindfusion.scheduling Namespace

ItemListView.insertItem Method (Int32, Item, String)

Inserts the item at the specified position.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void insertItem (
    int index,
    Item item,
    String text
)
```

Parameters

index
The zero-based index at which the item should be inserted.

item
The Item to insert.

text
to insert

See Also

insertItem Method Overload List
ItemListView Members
ItemListView Class
com.mindfusion.scheduling Namespace

ItemListView.insertItem Method (Int32, Item, String, Icon)

Inserts the item at the specified position.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void insertItem (
    int index,
    Item item,
    String text,
    Icon icon
)
```

Parameters

index
The zero-based index at which the item should be inserted.

item
The Item to insert.

text

to insert

icon
The Icon to insert

See Also

insertItem Method Overload List
ItemListView Members
ItemListView Class
com.mindfusion.scheduling Namespace

ItemListView.onItemSelected Method

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void onItemSelected (
    ItemListEvent e
)
```

Parameters

e

See Also

ItemListView Members
ItemListView Class
com.mindfusion.scheduling Namespace

ItemListView.onMousePressed Method

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void onMousePressed (
    MouseEvent e
)
```

Parameters

e

See Also

ItemListView Members
ItemListView Class

ItemListView.onSelected Method

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected void onSelected (
    ListSelectionEvent e
)
```

Parameters

e

See Also

ItemListView Members
ItemListView Class
com.mindfusion.scheduling Namespace

ItemListView.removeItemAt Method

Removes the item at the specified position.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void removeItemAt (
    int index
)
```

Parameters

index
The zero-based index of the item to remove.

See Also

ItemListView Members
ItemListView Class
com.mindfusion.scheduling Namespace

ItemListView.removeItemListViewListener Method

Unregisters listener not to receive ItemListView events.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java

public void removeItemListViewListener (
    ItemListViewListener listener
)
```

Parameters

listener
An object implementing the ItemListViewListener interface.

See Also

ItemListView Members
ItemListView Class
com.mindfusion.scheduling Namespace

ItemListView.setIconMargin Method

Sets the horizontal and vertical margins around the items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java

public void setIconMargin (
    Dimension iconMargin
)
```

Parameters

iconMargin
A Dimension instance specifying the icon margins.

See Also

ItemListView Members
ItemListView Class
com.mindfusion.scheduling Namespace

ItemListView.setItemSize Method

Sets the size of the icons displayed in the list.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setItemSize (
    Dimension itemSize
)
```

Parameters

itemSize
A Dimension instance specifying the icon size.

See Also

ItemListView Members
ItemListView Class
com.mindfusion.scheduling Namespace

ItemListView.setShowIcons Method

Sets a value specifying whether to show icons for each list item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setShowIcons (
    boolean showIcons
)
```

Parameters

showIcons
true if icons must be shown, otherwise false.

See Also

ItemListView Members
ItemListView Class
com.mindfusion.scheduling Namespace

ItemListView.setShowLabels Method

Sets a value specifying whether to show text labels along with icons for each list item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setShowLabels (
    boolean showLabels
)
```

Parameters

showLabels
true if text labels must be shown, otherwise false.

See Also

ItemListView Members
ItemListView Class
com.mindfusion.scheduling Namespace

ItemListViewAdapter Class

Provides empty implementations for the methods defined in the ItemListViewListener interface. This lets you override only the handlers for the events you are interested in, instead of implementing all methods of **ItemListViewListener**.

Syntax

Java
`public class ItemListViewAdapter implements ItemListViewListener`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.ItemListViewAdapter

See Also

ItemListViewAdapter Members
com.mindfusion.scheduling Namespace

ItemListViewAdapter Members

Provides empty implementations for the methods defined in the ItemListViewListener interface. This lets you override only the handlers for the events you are interested in, instead of implementing all methods of **ItemListViewListener**.

The following tables list the members exposed by the ItemListViewAdapter type.

Public Constructors

	Name	Description
	ItemListViewAdapter	

Public Methods

	Name	Description
	itemRemoved	Raised when the user removes an item from the list view.
	itemSelected	Raised when the user selects an item in the list view.

See Also

ItemListViewAdapter Class
com.mindfusion.scheduling Namespace

ItemListViewAdapter Constructor

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public ItemListViewAdapter ()
```

See Also

ItemListViewAdapter Class
com.mindfusion.scheduling Namespace

ItemListViewAdapter Methods

ItemListViewAdapter.itemRemoved Method

Raised when the user removes an item from the list view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void itemRemoved (
    ItemListEvent e
)
```

Parameters

e

See Also

ItemListViewAdapter Members
ItemListViewAdapter Class
com.mindfusion.scheduling Namespace

ItemListViewAdapter.itemSelected Method

Raised when the user selects an item in the list view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void itemSelected (
    ItemListEvent e
)
```

Parameters

e

See Also

ItemListViewAdapter Members
ItemListViewAdapter Class
com.mindfusion.scheduling Namespace

ItemListViewListener Interface

Defines the events that can be raised by ItemListView.

Syntax

```
Java
public interface ItemListViewListener extends EventListener
```

Inheritors

com.mindfusion.scheduling.ItemListViewAdapter

See Also

ItemListViewListener Members
com.mindfusion.scheduling Namespace

ItemListViewListener Members

Defines the events that can be raised by ItemListView.

The following tables list the members exposed by the ItemListViewListener type.

Public Methods

	Name	Description
	itemRemoved	Raised when the user removes a item from the list view.
	itemSelected	Raised when the user selects a item in the list view.

See Also

ItemListViewListener Methods

ItemListViewListener.itemRemoved Method

Raised when the user removes a item from the list view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void itemRemoved (
    ItemListEvent e
)
```

Parameters

e
An ItemListEvent object providing information about the event.

See Also

ItemListViewListener Members
ItemListViewListener Interface
com.mindfusion.scheduling Namespace

ItemListViewListener.itemSelected Method

Raised when the user selects a item in the list view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void itemSelected (
    ItemListEvent e
)
```

Parameters

e
An ItemListEvent object providing information about the event.

See Also

ItemListViewListener Members
ItemListViewListener Interface
com.mindfusion.scheduling Namespace

ItemModificationStyle Enumeration

Specifies the way items are processed when modified interactively.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java
`public enum ItemModificationStyle`

Members

	Member name	Description
	InPlace	The items are dragged when modified. The item layout is rearranged during the dragging.

See Also

com.mindfusion.scheduling Namespace

ItemModifiedEvent Class

Contains the arguments passed to handlers of item modification-related event.

Syntax

Java
`public class ItemModifiedEvent extends ItemEvent`

Inheritance Hierarchy

java.lang.Object
  java.util.EventObject
    com.mindfusion.scheduling.model.ItemEvent
      com.mindfusion.scheduling.ItemModifiedEvent

See Also

ItemModifiedEvent Members
com.mindfusion.scheduling Namespace

ItemModifiedEvent Members

Contains the arguments passed to handlers of item modification-related event.

The following tables list the members exposed by the ItemModifiedEvent type.

Public Constructors

	Name	Description
	ItemModifiedEvent	Initializes a new instance of the **ItemModifiedEvent** class.

Public Methods

	Name	Description
	getItem	Gets the item related to the event. (Inherited from ItemEvent.)
	getOldEndTime	Gets the old end time of the item.
	getOldResources	Gets the old resources the item was associated with. This list can contain Contact, Location, Task or Resource objects depending on the current grouping type.
	getOldStartTime	Gets the old start time of the item.
	getResizeEnd	Gets a value indicating whether the item's end has been modified.
	getResizeStart	Gets a value indicating whether the item's start has been modified.

See Also

ItemModifiedEvent Class
com.mindfusion.scheduling Namespace

ItemModifiedEvent Constructor

Initializes a new instance of the ItemModifiedEvent class.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public ItemModifiedEvent (
    Object source,
    Item item,
    DateTime oldStartTime,
    DateTime oldEndTime,
    ResourceList<Resource> oldResources,
    boolean resizeStart,
    boolean resizeEnd
)
```

Parameters

source
The Calendar that raises this event.

item
The Item instance for which the event is raised.

oldStartTime
The old start time of the item.

oldEndTime
The old end time of the item.

oldResources
The old resources the item was associated with.

resizeStart
Indicates whether the item's start has been modified.

resizeEnd
Indicates whether the item's end has been modified.

See Also

ItemModifiedEvent Class
com.mindfusion.scheduling Namespace

ItemModifiedEvent Methods

ItemModifiedEvent.getOldEndTime Method

Gets the old end time of the item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public DateTime getOldEndTime ()
```

Return Value

A DateTime object representing the original end time of the modified item.

See Also

ItemModifiedEvent Members
ItemModifiedEvent Class
com.mindfusion.scheduling Namespace

ItemModifiedEvent.getOldResources Method

Gets the old resources the item was associated with. This list can contain Contact, Location, Task or Resource objects depending on the current grouping type.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public ResourceList<Resource> getOldResources ()
```

Return Value

A collection of resources originally associated with the item.

See Also

ItemModifiedEvent Members
ItemModifiedEvent Class
com.mindfusion.scheduling Namespace

ItemModifiedEvent.getOldStartTime Method

Gets the old start time of the item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public DateTime getOldStartTime ()
```

Return Value

A DateTime object representing the original start time of the modified item.

See Also

ItemModifiedEvent Members
ItemModifiedEvent Class
com.mindfusion.scheduling Namespace

ItemModifiedEvent.getResizeEnd Method

Gets a value indicating whether the item's end has been modified.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean getResizeEnd ()
```

Return Value

true if the item's end has been modified; **false** if item was moved or its start has been modified.

See Also

ItemModifiedEvent Members
ItemModifiedEvent Class
com.mindfusion.scheduling Namespace

ItemModifiedEvent.getResizeStart Method

Gets a value indicating whether the item's start has been modified.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java
`public boolean getResizeStart ()`

Return Value

true if the item's start has been modified; **false** if item was moved or its end has been modified.

See Also

ItemModifiedEvent Members
ItemModifiedEvent Class
com.mindfusion.scheduling Namespace

ItemModifyConfirmEvent Class

Contains the arguments passed to handlers of the CalendarListener.itemModifying event.

Syntax

Java
`public class ItemModifyConfirmEvent extends ItemConfirmEvent`

Inheritance Hierarchy

java.lang.Object
  java.util.EventObject
    com.mindfusion.scheduling.model.ItemEvent
      com.mindfusion.scheduling.ItemConfirmEvent
        com.mindfusion.scheduling.ItemModifyConfirmEvent

See Also

ItemModifyConfirmEvent Members
com.mindfusion.scheduling Namespace

ItemModifyConfirmEvent Members

Contains the arguments passed to handlers of the CalendarListener.itemModifying event.

The following tables list the members exposed by the ItemModifyConfirmEvent type.

Public Constructors

	Name	Description

	ItemModifyConfirmEvent	Initializes a new instance of the **ItemModifyConfirmEvent** class.

Public Methods

	Name	Description
	getAllowChangeResource	Gets a value indicating whether the item is allowed to change its resources.
	getConfirm	Gets a value indicating whether the action related to this event should be confirmed or canceled. (Inherited from ItemConfirmEvent.)
	getItem	Gets the item related to the event. (Inherited from ItemEvent.)
	getNewEndTime	Gets the new end time of the item.
	getNewListLane	Gets the index of the new list lane of the item.
	getNewStartTime	Gets the new start time of the item.
	getResizeEnd	Gets a value indicating whether the item's end is being modified.
	getResizeStart	Gets a value indicating whether the item's start is being modified.
	getResource	Gets the new resource of the item. This can be a Contact, Location, Task or Resource depending on the current grouping type. This value can be null, if the item does not change associated resource.
	getResources	Gets the new resources of the item.
	setAllowChangeResource	Sets a value indicating whether the item is allowed to change its resources.
	setConfirm	Sets a value indicating whether the action related to this event should be confirmed or canceled. (Inherited from ItemConfirmEvent.)
	setNewEndTime	Sets the new end time of the item.
	setNewListLane	Sets the index of the new list lane of the item.
	setNewStartTime	Sets the new start time of the item.

See Also

ItemModifyConfirmEvent Class
com.mindfusion.scheduling Namespace

ItemModifyConfirmEvent Constructor

Initializes a new instance of the ItemModifyConfirmEvent class.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public ItemModifyConfirmEvent (
    Object source,
    Item item,
    DateTime newStartTime,
    DateTime newEndTime,
    int newListLane,
    Resource[] resources,
    boolean resizeStart,
    boolean resizeEnd
)
```

Parameters

source
The Calendar that raises this event.

item
The Item instance for which the event is raised.

newStartTime
The new start time of the item.

newEndTime
The new end time of the item.

newListLane
Index of the new list lane of the item.

resources
The resources associated with this event.

resizeStart
Indicates whether the item's start is being modified.

resizeEnd
Indicates whether the item's end is being modified.

See Also

ItemModifyConfirmEvent Class
com.mindfusion.scheduling Namespace

ItemModifyConfirmEvent Methods

ItemModifyConfirmEvent.getAllowChangeResource Method

Gets a value indicating whether the item is allowed to change its resources.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean getAllowChangeResource ()
```

Return Value

A boolean value.

See Also

ItemModifyConfirmEvent Members
ItemModifyConfirmEvent Class
com.mindfusion.scheduling Namespace

ItemModifyConfirmEvent.getNewEndTime Method

Gets the new end time of the item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public DateTime getNewEndTime ()
```

Return Value

A DateTime object specifying the item's new end time.

See Also

ItemModifyConfirmEvent Members
ItemModifyConfirmEvent Class
com.mindfusion.scheduling Namespace

ItemModifyConfirmEvent.getNewListLane Method

Gets the index of the new list lane of the item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public int getNewListLane ()
```

Return Value

An integer value specifying the new list lane of the item.

See Also

ItemModifyConfirmEvent Members
ItemModifyConfirmEvent Class
com.mindfusion.scheduling Namespace

ItemModifyConfirmEvent.getNewStartTime Method

Gets the new start time of the item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public DateTime getNewStartTime ()
```

Return Value

A DateTime object specifying the item's new start time.

See Also

ItemModifyConfirmEvent Members
ItemModifyConfirmEvent Class
com.mindfusion.scheduling Namespace

ItemModifyConfirmEvent.getResizeEnd Method

Gets a value indicating whether the item's end is being modified.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean getResizeEnd ()
```

Return Value

true if the item's end is being modified; **false** if item is moved or its start is being modified.

See Also

ItemModifyConfirmEvent Members
ItemModifyConfirmEvent Class
com.mindfusion.scheduling Namespace

ItemModifyConfirmEvent.getResizeStart Method

Gets a value indicating whether the item's start is being modified.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean getResizeStart ()
```

Return Value

true if the item's start is being modified; **false** if item is moved or its end is being modified.

See Also

ItemModifyConfirmEvent Members
ItemModifyConfirmEvent Class
com.mindfusion.scheduling Namespace

ItemModifyConfirmEvent.getResource Method

Gets the new resource of the item. This can be a Contact, Location, Task or Resource depending on the current grouping type. This value can be null, if the item does not change associated resource.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Resource getResource ()
```

Return Value

The related resource.

See Also

ItemModifyConfirmEvent Members
ItemModifyConfirmEvent Class
com.mindfusion.scheduling Namespace

ItemModifyConfirmEvent.getResources Method

Gets the new resources of the item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Resource[] getResources ()
```

Return Value

An array of Resource objects.

Remarks

This value can be **null**, if the item doesn't change associated resource.

See Also

ItemModifyConfirmEvent Members
ItemModifyConfirmEvent Class
com.mindfusion.scheduling Namespace

ItemModifyConfirmEvent.setAllowChangeResource Method

Sets a value indicating whether the item is allowed to change its resources.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setAllowChangeResource (
    boolean value
)
```

Parameters

value
A boolean value indicating whether the item can change its associated resources.

See Also

ItemModifyConfirmEvent Members
ItemModifyConfirmEvent Class
com.mindfusion.scheduling Namespace

ItemModifyConfirmEvent.setNewEndTime Method

Sets the new end time of the item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setNewEndTime (
    DateTime value
)
```

Parameters

value
A DateTime object specifying the item's new end time.

See Also

ItemModifyConfirmEvent Members
ItemModifyConfirmEvent Class
com.mindfusion.scheduling Namespace

ItemModifyConfirmEvent.setNewListLane Method

Sets the index of the new list lane of the item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setNewListLane (
    int value
)
```

Parameters

value
An integer value specifying the new list lane of the item.

See Also

ItemModifyConfirmEvent Members
ItemModifyConfirmEvent Class
com.mindfusion.scheduling Namespace

ItemModifyConfirmEvent.setNewStartTime Method

Sets the new start time of the item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setNewStartTime (
    DateTime value
)
```

Parameters

value
A DateTime object specifying the item's new start time.

See Also

ItemModifyConfirmEvent Members
ItemModifyConfirmEvent Class
com.mindfusion.scheduling Namespace

ItemMouseEvent Class

Contains the arguments passed to handlers of the CalendarListener.itemClick event.

Syntax

Java
`public class ItemMouseEvent extends ItemEvent`

Inheritance Hierarchy

java.lang.Object
  java.util.EventObject
    com.mindfusion.scheduling.model.ItemEvent
      com.mindfusion.scheduling.ItemMouseEvent

See Also

ItemMouseEvent Members
com.mindfusion.scheduling Namespace

ItemMouseEvent Members

Contains the arguments passed to handlers of the CalendarListener.itemClick event.

The following tables list the members exposed by the ItemMouseEvent type.

Public Constructors

	Name	Description
	ItemMouseEvent	Initializes a new instance of the **ItemMouseEvent** class.

Public Methods

	Name	Description
	getButton	Gets the pressed mouse button.
	getClicks	Gets the number of clicks.
	getItem	Gets the item related to the event. (Inherited from ItemEvent.)
	getResizeEnd	Gets a value indicating whether the item's end is about to be resized.
	getResizeStart	Gets a value indicating whether the item's start is about to be resized.
	getX	Gets the x-position of the mouse relative to the item.
	getY	Gets the y-position of the mouse relative to the item.

See Also

ItemMouseEvent Constructor

Initializes a new instance of the ItemMouseEvent class.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public ItemMouseEvent (
    Object source,
    Item item,
    int button,
    int x,
    int y,
    int clicks,
    boolean resizeStart,
    boolean resizeEnd
)
```

Parameters

source
The Calendar that raises this event.

item
The Item instance for which the event is raised.

button
The pressed mouse button.

x
Horizontal position of the mouse pointer relative to the item.

y
Vertical position of the mouse pointer relative to the item.

clicks
The number of clicks.

resizeStart
Indicates whether the item's start is about to be resized.

resizeEnd
Indicates whether the item's end is about to be resized.

See Also

ItemMouseEvent Class
com.mindfusion.scheduling Namespace

ItemMouseEvent Methods

ItemMouseEvent.getButton Method

Gets the pressed mouse button.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public int getButton ()
```

Return Value

One of the MouseEvent constants.

See Also

ItemMouseEvent Members
ItemMouseEvent Class
com.mindfusion.scheduling Namespace

ItemMouseEvent.getClicks Method

Gets the number of clicks.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public int getClicks ()
```

Return Value

An integer value specifying the number of mouse clicks related to the raised event.

See Also

ItemMouseEvent Members
ItemMouseEvent Class
com.mindfusion.scheduling Namespace

ItemMouseEvent.getResizeEnd Method

Gets a value indicating whether the item's end is about to be resized.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public boolean getResizeEnd ()
```

Return Value

A boolean value indicating whether the item's end is about to be resized.

See Also

ItemMouseEvent Members
ItemMouseEvent Class
com.mindfusion.scheduling Namespace

ItemMouseEvent.getResizeStart Method

Gets a value indicating whether the item's start is about to be resized.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean getResizeStart ()
```

Return Value

A boolean value indicating whether the item's start is about to be resized.

See Also

ItemMouseEvent Members
ItemMouseEvent Class
com.mindfusion.scheduling Namespace

ItemMouseEvent.getX Method

Gets the x-position of the mouse relative to the item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public int getX ()
```

Return Value

An integer value specifying the mouse position relatively to the item.

See Also

ItemMouseEvent Members
ItemMouseEvent Class
com.mindfusion.scheduling Namespace

ItemMouseEvent.getY Method

Gets the y-position of the mouse relative to the item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java
`public int getY ()`

Return Value

An integer value specifying the mouse position relatively to the item.

See Also

ItemMouseEvent Members
ItemMouseEvent Class
com.mindfusion.scheduling Namespace

ItemSelection Class

An instance of this class represents a set of selected schedule items.

Syntax

Java
`public class ItemSelection`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.ItemSelection

See Also

ItemSelection Members
com.mindfusion.scheduling Namespace

ItemSelection Members

An instance of this class represents a set of selected schedule items.

The following tables list the members exposed by the ItemSelection type.

Public Methods

	Name	Description
	add	Adds the specified item to the selection.

	clear	Clears the selection.
	contains	Determines whether the specified item is currently selected.
	getCount	Gets the number of selected items.
	getItems	Gets the selected items.
	remove	Removes the specified item from the selection.

See Also

ItemSelection Class
com.mindfusion.scheduling Namespace

ItemSelection Methods

ItemSelection.add Method

Adds the specified item to the selection.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void add (
    Item item
)
```

Parameters

item
The Item instance to be added to the selection.

See Also

ItemSelection Members
ItemSelection Class
com.mindfusion.scheduling Namespace

ItemSelection.clear Method

Clears the selection.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void clear ()
```

See Also

ItemSelection Members
ItemSelection Class
com.mindfusion.scheduling Namespace

ItemSelection.contains Method

Determines whether the specified item is currently selected.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean contains (
    Item item
)
```

Parameters

item
The Item instance to search for in the selection.

Return Value

true if the item is selected or **false** if it isn't.

See Also

ItemSelection Members
ItemSelection Class
com.mindfusion.scheduling Namespace

ItemSelection.getCount Method

Gets the number of selected items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public int getCount ()
```

Return Value

An integer value specifying the number of selected items.

See Also

ItemSelection Members
ItemSelection Class

ItemSelection.getItems Method

Gets the selected items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Item[] getItems ()
```

Return Value

An array of selected Item objects.

See Also

ItemSelection Members
ItemSelection Class
com.mindfusion.scheduling Namespace

ItemSelection.remove Method

Removes the specified item from the selection.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void remove (
    Item item
)
```

Parameters

item
The Item instance to be removed from the selection.

See Also

ItemSelection Members
ItemSelection Class
com.mindfusion.scheduling Namespace

ItemSelectionEvent Class

Contains the arguments passed to handlers of selection related events.

Syntax

Java
`public class ItemSelectionEvent extends ItemEvent`

Inheritance Hierarchy

java.lang.Object
  java.util.EventObject
    com.mindfusion.scheduling.model.ItemEvent
      com.mindfusion.scheduling.ItemSelectionEvent

See Also

ItemSelectionEvent Members
com.mindfusion.scheduling Namespace

ItemSelectionEvent Members

Contains the arguments passed to handlers of selection related events.

The following tables list the members exposed by the ItemSelectionEvent type.

Public Constructors

	Name	Description
	ItemSelectionEvent	Initializes a new instance of the **ItemSelectionEvent** class.

Public Methods

	Name	Description
	getIsDeselected	Gets a value indicating whether the item was deselected.
	getIsSelected	Gets a value indicating whether the item was selected.
	getItem	Gets the item related to the event. (Inherited from ItemEvent.)

See Also

ItemSelectionEvent Class
com.mindfusion.scheduling Namespace

ItemSelectionEvent Constructor

Initializes a new instance of the ItemSelectionEvent class.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public ItemSelectionEvent (
    Object source,
    Item item,
    boolean selected,
    boolean deselected
)
```

Parameters

source

item

selected

deselected

See Also

ItemSelectionEvent Class
com.mindfusion.scheduling Namespace

ItemSelectionEvent Methods

ItemSelectionEvent.getIsDeselected Method

Gets a value indicating whether the item was deselected.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean getIsDeselected ()
```

Return Value

true if the the item was deselected by the user; **false** if the item was selected.

Remarks

This property is mutually exclusive with getIsSelected, that is, when one of them is false, the other is true, and vice versa.

See Also

ItemSelectionEvent Members
ItemSelectionEvent Class
com.mindfusion.scheduling Namespace

ItemSelectionEvent.getIsSelected Method

Gets a value indicating whether the item was selected.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java
`public boolean getIsSelected ()`

Return Value

true if the the item was selected by the user; **false** if the item was deselected.

Remarks

This property is mutually exclusive with getIsDeselected, that is, when one of them is **false**, the other is **true**, and vice versa.

See Also

ItemSelectionEvent Members
ItemSelectionEvent Class
com.mindfusion.scheduling Namespace

ItemSettings Class

Defines properties that allow customizing the visualization of schedule items in the calendar component.

Syntax

Java
`public class ItemSettings`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.ItemSettings

See Also

ItemSettings Members
com.mindfusion.scheduling Namespace

ItemSettings Members

Defines properties that allow customizing the visualization of schedule items in the calendar component.

The following tables list the members exposed by the ItemSettings type.

Public Methods

	Name	Description

	addChangeListener	Adds a ChangeListener to the settings.
	getCapIncompleteSegments	Gets a value indicating whether to cap incomplete item segments.
	getEnableDefaultRendering	Gets a value indicating whether the default item rendering is enabled.
	getHeaderSize	Gets the size of the item header for non all-day items in the Timetable view.
	getItemsVisible	Gets a value indicating whether to display schedule items in the calendar.
	getMoveBandSize	Gets the size of the move band of items in the Timetable view.
	getPadding	Gets the amount of space between each item and the frame lines of the calendar cell that contains the item.
	getPaddingBottom	Gets the amount of space between the bottom side of an item and bottom frame line of the calendar cell that contains the item.
	getPaddingLeft	Gets the amount of space between the left side of an item and left frame line of the calendar cell that contains the item.
	getPaddingRight	Gets the amount of space between the right side of an item and right frame line of the calendar cell that contains the item.
	getPaddingTop	Gets the amount of space between the top side of an item and top frame line of the calendar cell that contains the item.
	getPointedItemStyle	Gets the Style used to paint items when they are pointed with the mouse.
	getPointedSelectedItemStyle	Gets the **Style** used to paint items when they are pointed with the mouse and selected at the same time.
	getResizeBandSize	Gets the size of the bands used to resize an item in a Timetable view.
	getScaleClocks	Gets a value indicating whether the clock icons are scaled proportionally to the size of the items.
	getSelectedItemStyle	Gets the **Style** used to paint selected schedule items.
	getShadowColor	Gets the color of the shadow cast by the items.
	getShadowOffset	Gets the offset of the shadows from the items.
	getShadowStyle	Gets the style of the shadow cast by the items.
	getShowClocks	Gets whether and when the clocks displaying the items' start and end time are shown.
	getShowContinuationArrows	Gets a value indicating whether to display small arrows at the beginning or at the end of each incomplete segment to indicate that the schedule item continues in an adjacent calendar cell.

	getShowMoreItemsCue	Gets a value indicating whether to display a 'more items' icon in a calendar cell which isn't big enough to contain all of its items.
	getShowRecurrenceExceptionIcons	Gets a value indicating whether the icon of recurrence exception items is displayed.
	getShowRecurrenceIcons	Gets a value indicating whether the icon of recurring items is displayed.
	getShowReminderIcons	Gets a value indicating whether the reminder icon of items is displayed.
	getSize	Gets the size of schedule items drawn in the calendar.
	getSpacing	Gets the amount of space between adjacent items.
	getStyle	Gets the **Style** used to paint schedule items that don't have a distinct style assigned to them.
	getUseExtendedStyles	Gets a value indicating whether the appropriate styles are used when an item is pointed with the mouse.
	getUseStyledText	Gets a value indicating whether formatting tags such as <b> and <i> are taken into consideration in the items' description text.
	removeChangeListener	Removes the specified **ChangeListener** from the settings.
	setCapIncompleteSegments	Sets a value indicating whether to cap incomplete item segments.
	setEnableDefaultRendering	Sets a value indicating whether the default item rendering is enabled.
	setHeaderSize	Sets the size of the item header for non all-day items in the CalendarView.Timetable view.
	setItemsVisible	Sets a value indicating whether to display schedule items in the calendar.
	setMoveBandSize	Sets the size of the move band of items in the **CalendarView.Timetable** view.
	setPadding	Sets the amount of space between each item and the frame lines of the calendar cell that contains the item.
	setPaddingBottom	Sets the amount of space between the bottom side of an item and bottom frame line of the calendar cell that contains the item.
	setPaddingLeft	Sets the amount of space between the left side of an item and left frame line of the calendar cell that contains the item.
	setPaddingRight	Sets the amount of space between the right side of an item and right frame line of the calendar cell that contains the item.
	setPaddingTop	Sets the amount of space between the top side of an item and top frame line of the calendar cell that contains the item.

	setPointedItemStyle	Sets the **Style** used to paint items when they are pointed with the mouse.
	setPointedSelectedItemStyle	Sets the **Style** used to paint items when they are pointed with the mouse and selected at the same time.
	setResizeBandSize	Sets the size of the bands used to resize an item in a Timetable view.
	setScaleClocks	Sets a value indicating whether the clock icons are scaled proportionally to the size of the items.
	setSelectedItemStyle	Sets the **Style** used to paint selected schedule items.
	setShadowColor	Sets the color of the shadow cast by the items.
	setShadowOffset	Sets the offset of the shadows from the items.
	setShadowStyle	Sets the style of the shadow cast by the items.
	setShowClocks	Sets whether and when the clocks displaying the items' start and end time are shown.
	setShowContinuationArrows	Sets a value indicating whether to display small arrows at the beginning or at the end of each incomplete segment to indicate that the schedule item continues in an adjacent calendar cell.
	setShowMoreItemsCue	Sets a value indicating whether to display a 'more items' icon in a calendar cell which isn't big enough to contain all of its items.
	setShowRecurrenceExceptionIcons	Sets a value indicating whether the icon of recurrence exception items is displayed.
	setShowRecurrenceIcons	Sets a value indicating whether the icon of recurring items is displayed.
	setShowReminderIcons	Sets a value indicating whether the reminder icon of items is displayed.
	setSize	Sets the size of schedule items drawn in the calendar.
	setSpacing	Sets the amount of space between adjacent items.
	setStyle	Sets the **Style** used to paint schedule items that don't have a distinct style assigned to them.
	setUseExtendedStyles	Sets a value indicating whether the appropriate styles are used when an item is pointed with the mouse.
	setUseStyledText	Sets a value indicating whether formatting tags such as <b> and <i> are taken into consideration in the items' description text.

See Also

ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings Methods

ItemSettings.addChangeListener Method

Adds a ChangeListener to the settings.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java

public void addChangeListener (
    ChangeListener listener
)
```

Parameters

listener
The ChangeListener to be added.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.getCapIncompleteSegments Method

Gets a value indicating whether to cap incomplete item segments.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java

public Boolean getCapIncompleteSegments ()
```

Return Value

true to cap incomplete items segments; otherwise, **false**.

Remarks

This property is ignored for non all-day items in the CalendarView.Timetable view.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.getEnableDefaultRendering Method

Gets a value indicating whether the default item rendering is enabled.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Boolean getEnableDefaultRendering ()
```

Return Value

A Boolean value specifying whether the control should paint schedule items.

Remarks

You can disable this property when you perform complete custom drawing of your items and don't want the Calendar control to perform default painting. This way you can substantially optimize the performance of your application.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.getHeaderSize Method

Gets the size of the item header for non all-day items in the Timetable view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getHeaderSize ()
```

Return Value

A non-negative integer value specifying the size of the item header.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.getItemsVisible Method

Gets a value indicating whether to display schedule items in the calendar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Boolean getItemsVisible ()
```

Return Value

true to display schedule items; otherwise, **false**.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.getMoveBandSize Method

Gets the size of the move band of items in the Timetable view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getMoveBandSize ()
```

Return Value

A non-negative integer value specifying the band size in pixels.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.getPadding Method

Gets the amount of space between each item and the frame lines of the calendar cell that contains the item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getPadding ()
```

Return Value

A non-negative integer value specifying how many pixels there are left between items and the time cells containing them.

Remarks

In a CalendarView.Timetable view this is the distance between consecutive items.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.getPaddingBottom Method

Gets the amount of space between the bottom side of an item and bottom frame line of the calendar cell that contains the item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getPaddingBottom ()
```

Return Value

An integer value specifying the distance between the bottom side of an item and the bottom side of the cell containing it.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.getPaddingLeft Method

Gets the amount of space between the left side of an item and left frame line of the calendar cell that contains the item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getPaddingLeft ()
```

Return Value

An integer value specifying the distance between the left side of an item and the left side of the cell containing it.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.getPaddingRight Method

Gets the amount of space between the right side of an item and right frame line of the calendar cell that contains the item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Integer getPaddingRight ()
```

Return Value

An integer value specifying the distance between the right side of an item and the right side of the cell containing it.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.getPaddingTop Method

Gets the amount of space between the top side of an item and top frame line of the calendar cell that contains the item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Integer getPaddingTop ()
```

Return Value

An integer value specifying the distance between the top side of an item and the top side of the cell containing it.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.getPointedItemStyle Method

Gets the Style used to paint items when they are pointed with the mouse.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Style getPointedItemStyle ()
```

Return Value

A Style object defining the appearance of schedule items when they are pointed with the mouse. This property cannot be **null**.

Remarks

This property is ignored when getUseExtendedStyles is **false**.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.getPointedSelectedItemStyle Method

Gets the Style used to paint items when they are pointed with the mouse and selected at the same time.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Style getPointedSelectedItemStyle ()
```

Return Value

A Style object defining the appearance of schedule items when they are pointed with the mouse and selected at the same time.

Remarks

This property is ignored when getUseExtendedStyles is **false**.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.getResizeBandSize Method

Gets the size of the bands used to resize an item in a Timetable view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Integer getResizeBandSize ()
```

Return Value

An integer value specifying the bands' size in pixels. The minimal allowed value is 2.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.getScaleClocks Method

Gets a value indicating whether the clock icons are scaled proportionally to the size of the items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Boolean getScaleClocks ()
```

Return Value

A **Boolean** value.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.getSelectedItemStyle Method

Gets the Style used to paint selected schedule items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Style getSelectedItemStyle ()
```

Return Value

A Style object defining the appearance of schedule items.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.getShadowColor Method

Gets the color of the shadow cast by the items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Color getShadowColor ()
```

Return Value

A Color object specifying the color of item shadows.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.getShadowOffset Method

Gets the offset of the shadows from the items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Integer getShadowOffset ()
```

Return Value

An integer value specifying with how many pixels an item's shadow is offset from the item. The allowed values range from 1 to 5.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.getShadowStyle Method

Gets the style of the shadow cast by the items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public ShadowStyle getShadowStyle ()
```

Return Value

One of the ShadowStyle constants.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.getShowClocks Method

Gets whether and when the clocks displaying the items' start and end time are shown.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public ShowClocks getShowClocks ()
```

Return Value

One of the ShowClocks constants.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.getShowContinuationArrows Method

Gets a value indicating whether to display small arrows at the beginning or at the end of each incomplete segment to indicate that the schedule item continues in an adjacent calendar cell.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Boolean getShowContinuationArrows ()
```

Return Value

true to display arrow icons when an item continues in next time cell; otherwise, **false**.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.getShowMoreItemsCue Method

Gets a value indicating whether to display a 'more items' icon in a calendar cell which isn't big enough to contain all of its items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Boolean getShowMoreItemsCue ()
```

Return Value

true to display the 'more items' cue icon when there are items not visible in the current viewport; otherwise, **false**.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.getShowRecurrenceExceptionIcons Method

Gets a value indicating whether the icon of recurrence exception items is displayed.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Boolean getShowRecurrenceExceptionIcons ()
```

Return Value

true to display an icon for the exceptions of recurring items; otherwise, **false**.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.getShowRecurrenceIcons Method

Gets a value indicating whether the icon of recurring items is displayed.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Boolean getShowRecurrenceIcons ()
```

Return Value

true to display an icon for recurring items; otherwise, **false**.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.getShowReminderIcons Method

Gets a value indicating whether the reminder icon of items is displayed.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Boolean getShowReminderIcons ()
```

Return Value

true to display an icon for items that have a reminder; otherwise, **false**.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.getSize Method

Gets the size of schedule items drawn in the calendar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getSize ()
```

Return Value

A non-negative integer value specifying items width or height in pixels.

Remarks

This property specifies the height of horizontal items or the width of vertical items. The items length is defined by their start time and duration. The property is ignored for items drawn in timetable view.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.getSpacing Method

Gets the amount of space between adjacent items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getSpacing ()
```

Return Value

A non-negative integer value specifying how many pixels there are between adjacent items.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.getStyle Method

Gets the Style used to paint schedule items that don't have a distinct style assigned to them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Style getStyle ()
```

Return Value

A Style object defining the appearance of schedule items. This property cannot be **null**.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.getUseExtendedStyles Method

Gets a value indicating whether the appropriate styles are used when an item is pointed with the mouse.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Boolean getUseExtendedStyles ()
```

Return Value

A **Boolean** value.

Remarks

If this value is **false**, the pointed styles (that is, getPointedItemStyle and getPointedSelectedItemStyle) are ignored.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.getUseStyledText Method

Gets a value indicating whether formatting tags such as <b> and <i> are taken into consideration in the items' description text.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
```

```
public Boolean getUseStyledText ()
```

Return Value

true to enable the use of formatting tags in the item's description; otherwise, **false**.

Remarks

Styled text allows applying various attributes to the characters it contains. Attributes are specified using HTML-like formatting tags embedded in the raw text.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.removeChangeListener Method

Removes the specified ChangeListener from the settings.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void removeChangeListener (
    ChangeListener listener
)
```

Parameters

listener
The listener to be removed.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.setCapIncompleteSegments Method

Sets a value indicating whether to cap incomplete item segments.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setCapIncompleteSegments (
    Boolean value
)
```

Parameters

value
true to cap incomplete items segments; otherwise, **false**. Set to **null** to use the corresponding value from the current theme.

Remarks

This property is ignored for non all-day items in the CalendarView.Timetable view.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.setEnableDefaultRendering Method

Sets a value indicating whether the default item rendering is enabled.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setEnableDefaultRendering (
    Boolean value
)
```

Parameters

value
A **Boolean** value specifying whether the control should paint schedule items. Set to **null** to use the corresponding value from the current theme.

Remarks

You can disable this property when you perform complete custom drawing of your items and don't want the Calendar control to perform default painting. This way you can substantially optimize the performance of your application.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.setHeaderSize Method

Sets the size of the item header for non all-day items in the CalendarView.Timetable view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setHeaderSize (
    Integer value
)
```

Parameters

value

A non-negative integer value specifying the size of the item header. Set to **null** to use the corresponding value from the current theme. Set to 0 to hide the item header.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.setItemsVisible Method

Sets a value indicating whether to display schedule items in the calendar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setItemsVisible (
    Boolean value
)
```

Parameters

value

true to display schedule items; otherwise, **false**. Set to **null** to use the corresponding value from the current theme.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.setMoveBandSize Method

Sets the size of the move band of items in the CalendarView.Timetable view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setMoveBandSize (
    Integer value
```

```
)
```

Parameters

value
A non-negative integer value specifying the band size in pixels. Set to **null** to use the corresponding value from the current theme.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.setPadding Method

Sets the amount of space between each item and the frame lines of the calendar cell that contains the item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setPadding (
    Integer value
)
```

Parameters

value
A non-negative integer value specifying how many pixels there are left between items and the time cells containing them. Set to **null** to use the corresponding value from the current theme.

Remarks

In a CalendarView.Timetable view this is the distance between consecutive items.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.setPaddingBottom Method

Sets the amount of space between the bottom side of an item and bottom frame line of the calendar cell that contains the item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setPaddingBottom (
    Integer value
)
```

Parameters

value
An integer value specifying the distance between the bottom side of an item and the bottom side of the cell containing it. Set to **null** to use the corresponding value from the current theme. Set to -1 to indicate that this property should be ignored and the value of Padding should be regarded instead.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.setPaddingLeft Method

Sets the amount of space between the left side of an item and left frame line of the calendar cell that contains the item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setPaddingLeft (
    Integer value
)
```

Parameters

value
An integer value specifying the distance between the left side of an item and the left side of the cell containing it. Set to **null** to use the corresponding value from the current theme. Set to -1 to indicate that this property should be ignored and the value of Padding should be regarded instead.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.setPaddingRight Method

Sets the amount of space between the right side of an item and right frame line of the calendar cell that contains the item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setPaddingRight (
    Integer value
)
```

Parameters

value
An integer value specifying the distance between the right side of an item and the right side of the cell containing it. Set to **null** to use the corresponding value from the current theme. Set to -1 to indicate that this property should be ignored and the value of Padding should be regarded instead.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.setPaddingTop Method

Sets the amount of space between the top side of an item and top frame line of the calendar cell that contains the item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setPaddingTop (
    Integer value
)
```

Parameters

value
An integer value specifying the distance between the top side of an item and the top side of the cell containing it. Set to **null** to use the corresponding value from the current theme. Set to -1 to indicate that this property should be ignored and the value of Padding should be regarded instead.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.setPointedItemStyle Method

Sets the Style used to paint items when they are pointed with the mouse.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setPointedItemStyle (
    Style value
)
```

Parameters

value
A Style object defining the appearance of schedule items when they are pointed with the mouse.

Remarks

This property is ignored when getUseExtendedStyles is false.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.setPointedSelectedItemStyle Method

Sets the Style used to paint items when they are pointed with the mouse and selected at the same time.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setPointedSelectedItemStyle (
    Style value
)
```

Parameters

value
A Style object defining the appearance of schedule items when they are pointed with the mouse and selected at the same time. This property cannot be **null**.

Remarks

This property is ignored when getUseExtendedStyles is false.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.setResizeBandSize Method

Sets the size of the bands used to resize an item in a Timetable view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setResizeBandSize (
    Integer value
)
```

Parameters

value
An integer value specifying the bands' size in pixels. The minimal allowed value is 2. Set to **null** to use the corresponding value from the current theme.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.setScaleClocks Method

Sets a value indicating whether the clock icons are scaled proportionally to the size of the items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setScaleClocks (
    Boolean value
)
```

Parameters

value
A **Boolean** value. Set to **null** to use the corresponding value from the current theme.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.setSelectedItemStyle Method

Sets the Style used to paint selected schedule items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setSelectedItemStyle (
    Style value
)
```

Parameters

value
A Style object defining the appearance of schedule items. This property cannot be **null**.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.setShadowColor Method

Sets the color of the shadow cast by the items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setShadowColor (
    Color value
)
```

Parameters

value
A **java.awt.Color** object specifying the color of item shadows. Set to **null** to use the corresponding value from the current theme.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.setShadowOffset Method

Sets the offset of the shadows from the items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setShadowOffset (
    Integer value
)
```

Parameters

value
An integer value specifying with how many pixels an item's shadow is offset from the item. The allowed values range from 1 to 5. Set to **null** to use the corresponding value from the current theme.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.setShadowStyle Method

Sets the style of the shadow cast by the items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setShadowStyle (
    ShadowStyle value
)
```

Parameters

value
One of the ShadowStyle constants. Set to null to use the corresponding value from the current theme.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.setShowClocks Method

Sets whether and when the clocks displaying the items' start and end time are shown.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setShowClocks (
    ShowClocks value
)
```

Parameters

value

One of the ShowClocks constants or null. Set to **null** to use the corresponding value from the current theme.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.setShowContinuationArrows Method

Sets a value indicating whether to display small arrows at the beginning or at the end of each incomplete segment to indicate that the schedule item continues in an adjacent calendar cell.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setShowContinuationArrows (
    Boolean value
)
```

Parameters

value
true to display arrow icons when an item continues in next time cell; otherwise, **false**. Set to **null** to use the corresponding value from the current theme.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.setShowMoreItemsCue Method

Sets a value indicating whether to display a 'more items' icon in a calendar cell which isn't big enough to contain all of its items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setShowMoreItemsCue (
    Boolean value
)
```

Parameters

value

true to display the 'more items' cue icon when there are items not visible in the current viewport; otherwise, **false**. Set to **null** to use the corresponding value from the current theme.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.setShowRecurrenceExceptionIcons Method

Sets a value indicating whether the icon of recurrence exception items is displayed.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setShowRecurrenceExceptionIcons (
    Boolean value
)
```

Parameters

value

true to display an icon for the exceptions of recurring items; otherwise, **false**. Set to **null** to use the corresponding value from the current theme.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.setShowRecurrenceIcons Method

Sets a value indicating whether the icon of recurring items is displayed.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setShowRecurrenceIcons (
    Boolean value
)
```

Parameters

value

true to display an icon for recurring items; otherwise, **false**. Set to **null** to use the corresponding value from the current theme.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.setShowReminderIcons Method

Sets a value indicating whether the reminder icon of items is displayed.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setShowReminderIcons (
    Boolean value
)
```

Parameters

value
true to display an icon for items that have a reminder; otherwise, **false**. Set to **null** to use the corresponding value from the current theme.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.setSize Method

Sets the size of schedule items drawn in the calendar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setSize (
    Integer value
)
```

Parameters

value
A non-negative integer value specifying items width or height in pixels. Set to **null** to use the corresponding value from the current theme.

Remarks

This property specifies the height of horizontal items or the width of vertical items. The items length is defined by their start time and duration. The property is ignored for items drawn in timetable view.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.setSpacing Method

Sets the amount of space between adjacent items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setSpacing (
    Integer value
)
```

Parameters

value
A non-negative integer value specifying how many pixels there are between adjacent items. Set to **null** to use the corresponding value from the current theme.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.setStyle Method

Sets the Style used to paint schedule items that don't have a distinct style assigned to them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setStyle (
    Style value
)
```

Parameters

value
A Style object defining the appearance of schedule items. This property cannot be **null**.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.setUseExtendedStyles Method

Sets a value indicating whether the appropriate styles are used when an item is pointed with the mouse.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setUseExtendedStyles (
    Boolean value
)
```

Parameters

value
A **Boolean** value. Set to **null** to use the corresponding value from the current theme.

Remarks

If this value is false, the pointed styles (that is, getPointedItemStyle and getPointedSelectedItemStyle) are ignored.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemSettings.setUseStyledText Method

Sets a value indicating whether formatting tags such as <b> and <i> are taken into consideration in the items' description text.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setUseStyledText (
    Boolean value
)
```

Parameters

value
true to enable the use of formatting tags in the item's description; otherwise, **false**. Set to **null** to use the corresponding value from the current theme.

Remarks

Styled text allows applying various attributes to the characters it contains. Attributes are specified using HTML-like formatting tags embedded in the raw text.

See Also

ItemSettings Members
ItemSettings Class
com.mindfusion.scheduling Namespace

ItemsEvent Class

Contains the arguments passed to handlers of events related to one or more items.

Syntax

Java
`public class ItemsEvent extends EventObject`

Inheritance Hierarchy

java.lang.Object
  java.util.EventObject
    com.mindfusion.scheduling.ItemsEvent

See Also

ItemsEvent Members
com.mindfusion.scheduling Namespace

ItemsEvent Members

Contains the arguments passed to handlers of events related to one or more items.

The following tables list the members exposed by the ItemsEvent type.

Public Constructors

	Name	Description
	ItemsEvent	Initializes a new instance of the **ItemsEvent** class.

Public Methods

	Name	Description
	getItemInfo	Gets a list with information about the items related to the event.

See Also

ItemsEvent Constructor

Initializes a new instance of the ItemsEvent class.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public ItemsEvent (
    Object source,
    Collection<ModifiedItemInfo> itemInfo
)
```

Parameters

source

itemInfo

See Also

ItemsEvent Class
com.mindfusion.scheduling Namespace

ItemsEvent Methods

ItemsEvent.getItemInfo Method

Gets a list with information about the items related to the event.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Collection<ModifiedItemInfo> getItemInfo ()
```

Return Value

A collection containing information about all items related to the event.

See Also

ItemsEvent Members
ItemsEvent Class
com.mindfusion.scheduling Namespace

ItemTooltipEvent Class

Contains the arguments passed to handlers of the CalendarListener.itemTooltipDisplaying event.

Syntax

Java
`public class ItemTooltipEvent extends ItemEvent`

Inheritance Hierarchy

java.lang.Object
  java.util.EventObject
    com.mindfusion.scheduling.model.ItemEvent
      com.mindfusion.scheduling.ItemTooltipEvent

See Also

ItemTooltipEvent Members
com.mindfusion.scheduling Namespace

ItemTooltipEvent Members

Contains the arguments passed to handlers of the CalendarListener.itemTooltipDisplaying event.

The following tables list the members exposed by the ItemTooltipEvent type.

Public Constructors

	Name	Description
	ItemTooltipEvent	Initializes a new instance of the **ItemTooltipEvent** class.

Public Methods

	Name	Description
	getItem	Gets the item related to the event. (Inherited from ItemEvent.)
	getTooltip	Gets the tooltip of the item.
	setTooltip	Sets the tooltip of the item.

See Also

ItemTooltipEvent Class
com.mindfusion.scheduling Namespace

ItemTooltipEvent Constructor

Initializes a new instance of the ItemTooltipEvent class.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public ItemTooltipEvent (
    Object source,
    Item item,
    String tooltip
)
```

Parameters

source

item

tooltip

See Also

ItemTooltipEvent Class
com.mindfusion.scheduling Namespace

ItemTooltipEvent Methods

ItemTooltipEvent.getTooltip Method

Gets the tooltip of the item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public String getTooltip ()
```

Return Value

A string specifying the item's tool tip.

See Also

ItemTooltipEvent Members
ItemTooltipEvent Class
com.mindfusion.scheduling Namespace

ItemTooltipEvent.setTooltip Method

Sets the tooltip of the item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setTooltip (
    String value
)
```

Parameters

value
A string specifying the item's tool tip.

Remarks

Change this value if you need to override the default tool tip text.

See Also

ItemTooltipEvent Members
ItemTooltipEvent Class
com.mindfusion.scheduling Namespace

ItemTransferHandler Class

Syntax

Java

```
public class ItemTransferHandler extends TransferHandler
```

Inheritance Hierarchy

java.lang.Object
  javax.swing.TransferHandler
    com.mindfusion.scheduling.ItemTransferHandler

See Also

ItemTransferHandler Members
com.mindfusion.scheduling Namespace

ItemTransferHandler Members

The following tables list the members exposed by the ItemTransferHandler type.

Public Constructors

	Name	Description
	ItemTransferHandler	

Public Methods

	Name	Description
	getSourceActions	

Protected Methods

	Name	Description
	createTransferable	

See Also

ItemTransferHandler Class
com.mindfusion.scheduling Namespace

ItemTransferHandler Constructor

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public ItemTransferHandler ()
```

See Also

ItemTransferHandler Class
com.mindfusion.scheduling Namespace

ItemTransferHandler Methods

ItemTransferHandler.createTransferable Method

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
protected Transferable createTransferable (
    JComponent c
)
```

Parameters

c

Return Value

See Also

ItemTransferHandler Members
ItemTransferHandler Class
com.mindfusion.scheduling Namespace

ItemTransferHandler.getSourceActions Method

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public int getSourceActions (
    JComponent c
)
```

Parameters

c

Return Value

See Also

ItemTransferHandler Members
ItemTransferHandler Class
com.mindfusion.scheduling Namespace

ItemViewer Interface

Defines the interface that must be implemented by custom item viewer classes.

Syntax

Java

```
public interface ItemViewer
```

See Also

ItemViewer Members
com.mindfusion.scheduling Namespace

ItemViewer Members

Defines the interface that must be implemented by custom item viewer classes.

The following tables list the members exposed by the ItemViewer type.

Public Methods

	Name	Description
	draw	Renders the contents of a particular item.

See Also

ItemViewer Interface
com.mindfusion.scheduling Namespace

ItemViewer Methods

ItemViewer.draw Method

Renders the contents of a particular item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
void draw (
    ItemDrawContext context
)
```

Parameters

context
An object, containing all information required to visualize the item.

Remarks

The viewer must draw the item using the methods of the Graphics object specified in the ItemDrawContext argument.

See Also

ItemViewer Members
ItemViewer Interface
com.mindfusion.scheduling Namespace

ItemViewerAttribute Interface

Associates a custom item viewer with a schedule item class.

Syntax

Java

```
public interface ItemViewerAttribute extends Annotation
```

See Also

ItemViewerAttribute Members
com.mindfusion.scheduling Namespace

ItemViewerAttribute Members

Associates a custom item viewer with a schedule item class.

The following tables list the members exposed by the ItemViewerAttribute type.

See Also

ItemViewerAttribute Interface
com.mindfusion.scheduling Namespace

LineStyle Enumeration

Specifies the style of lines.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java
`public enum LineStyle`

Members

	Member name	Description
	Dotted	Specifies dotted style.
	Invisible	Specifies invisible style.
	Solid	Specifies solid style.

See Also

com.mindfusion.scheduling Namespace

ListViewHeaderStyles Enumeration

Specifies the appearance and behavior of the header in a CalendarView.List view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java
`public enum ListViewHeaderStyles`

Members

	Member name	Description
	Footer	Draws a footer.
	MainHeader	Draws a main header, which wraps all cells.
	Subheader	Draw a sub-header below the main header.
	SubheaderPerCell	Draw the header background for each cell separately, rather than for the whole interval.
	Title	Display the cells' dates in the header.

See Also

com.mindfusion.scheduling Namespace

ListViewSettings Class

Defines properties that allow customizing the visualization of the calendar in a CalendarView.List view.

Syntax

Java
`public class ListViewSettings extends ViewSettings`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.ViewSettings
    com.mindfusion.scheduling.ListViewSettings

See Also

ListViewSettings Members
com.mindfusion.scheduling Namespace

ListViewSettings Members

Defines properties that allow customizing the visualization of the calendar in a CalendarView.List view.

The following tables list the members exposed by the ListViewSettings type.

Public Methods

	Name	Description
	addChangeListener	Adds a ChangeListener to the view settings. (Inherited from ViewSettings.)
	getCellSettings	Gets a CellSettings object used to customize the visualization of cells in the **CalendarView.List** view.

	getCellSpacing	Gets the amount space between adjacent cells.
	getCellUnits	Gets the resolution of the list view.
	getContentsMargin	Gets the amount of space between the contents border and the actual contents of the view.
	getEnableMilestoneMode	Gets a value indicating whether milestone item rendering mode is turned on. When in this mode, items are not rendered as ribbons but rather as small squares in the cell where the items start.
	getEnableSnapping	Gets a value indicating whether custom snapping is enabled.
	getEnableVirtualItemSpace	Gets a value indicating whether items in the list view can be scrolled through.
	getEvenWeeksBrush	Gets the brush used to paint the background of the contents of even weeks.
	getFooterFormat	Gets a string used to format the footer.
	getFooterSize	Gets the footer size, in pixels.
	getFreeDrag	Gets a value indicating whether users can drag items anywhere in the view, not only in the first unoccupied row.
	getGroupHeaderSize	Gets the size of the group header.
	getGroupHeaderStyle	Gets the appearance style used to paint the headers of individual columns.
	getHeaderShadowColor	Gets the color of the shadows cast by headers.
	getHeaderShadowOffset	Gets the offset of the shadows from the headers that cast them.
	getHeaderShadowStyle	Gets the style of the shadows cast by headers.
	getHeaderSize	Gets the header size in pixels.
	getHeaderStyle	Gets the style of the List view header.
	getItemOrientation	Gets a value indicating whether the items are displayed horizontally, vertically or according to the orientation of the view.
	getMainHeaderFormat	Gets a string used to format the main header.
	getMainHeaderSize	Gets or sets the main header size, in pixels.
	getNumberOfCells	Gets the total number of cells to be displayed in the **CalendarView.List** view.
	getOddWeeksBrush	Gets the brush used to paint the background of the contents of odd weeks.
	getOrientation	Gets a value indicating whether the cells are displayed horizontally or vertically.
	getRotateGroupHeaderTexts	Gets a value indicating whether the group header texts in a horizontal list view are rotated.
	getRotateHeaderTexts	Gets a value indicating whether the header texts in a horizontal list view are rotated.

	getScrollStep	Gets the number of units to scroll when the user clicks the navigation buttons.
	getShowGroupHeader	Gets a value indicating whether to display the resource grouping header.
	getShowNavigationButtons	Gets a value indicating whether the **CalendarView.List** view displays navigation buttons.
	getSnapUnit	Gets the snap unit.
	getStyle	Gets the appearance style used to paint calendar elements that don't have a distinct style assigned to them.
	getSubHeaderDivisions	Gets the number of divisions in the sub-header.
	getSubHeaderSize	Gets the subheader size in pixels.
	getSubTitleFormat	Gets a string used to format the subtitle texts.
	getTitleFormat	Gets a string used to format the cells titles.
	getTotalLaneCount	Gets the number of lanes in a **CalendarView.List** view whose **getEnableVirtualItemSpace** is true.
	getVisibleCells	Gets the number of cells visible at the same time.
	getVisibleColumns	Gets the number of visible group columns in a list view.
	removeChangeListener	Removes the specified **ChangeListener** from the view settings. (Inherited from ViewSettings.)
	setCellSpacing	Sets the amount space between adjacent cells.
	setCellUnits	Sets the resolution of the list view.
	setContentsMargin	Sets the amount of space between the contents border and the actual contents of the view.
	setEnableMilestoneMode	Sets a value indicating whether milestone item rendering mode is turned on. When in this mode, items are not rendered as ribbons but rather as small squares in the cell where the items start.
	setEnableSnapping	Sets a value indicating whether custom snapping is enabled.
	setEnableVirtualItemSpace	Sets a value indicating whether items in the list view can be scrolled through.
	setEvenWeeksBrush	Sets the brush used to paint the background of the contents of even weeks.
	setFooterFormat	Sets a string used to format the footer.
	setFooterSize	Gets the footer size, in pixels.
	setFreeDrag	Sets a value indicating whether users can drag items anywhere in the view, not only in the first unoccupied row.
	setGroupHeaderSize	Sets the size of the group header.
	setGroupHeaderStyle	Sets the appearance style used to paint the headers of individual columns.
	setHeaderShadowColor	Sets the color of the shadows cast by headers.

	setHeaderShadowOffset	Sets the offset of the shadows from the headers that cast them.
	setHeaderShadowStyle	Sets the style of the shadows cast by headers.
	setHeaderSize	Sets the header size in pixels.
	setHeaderStyle	Sets the style of the List view header.
	setItemOrientation	Sets a value indicating whether the items are displayed horizontally, vertically or according to the orientation of the view.
	setMainHeaderFormat	Sets a string used to format the main header.
	setMainHeaderSize	
	setNumberOfCells	Sets the total number of cells to be displayed in the **CalendarView.List** view.
	setOddWeeksBrush	Sets the brush used to paint the background of the contents of odd weeks.
	setOrientation	Sets a value indicating whether the cells are displayed horizontally or vertically.
	setRotateGroupHeaderTexts	Sets a value indicating whether the group header texts in a horizontal list view are rotated.
	setRotateHeaderTexts	Sets a value indicating whether the header texts in a horizontal list view are rotated.
	setScrollStep	Sets the number of units to scroll when the user clicks the navigation buttons.
	setShowGroupHeader	Sets a value indicating whether to display the resource grouping header.
	setShowNavigationButtons	Sets a value indicating whether the **CalendarView.List** view displays navigation buttons.
	setSnapUnit	Sets the snap unit.
	setStyle	Sets the appearance style used to paint calendar elements that don't have a distinct style assigned to them.
	setSubHeaderDivisions	Sets the number of divisions in the sub-header.
	setSubHeaderSize	Sets the subheader size in pixels.
	setSubTitleFormat	Sets a string used to format the subtitle texts.
	setTitleFormat	Sets a string used to format the cells titles.
	setTotalLaneCount	Sets the number of lanes in a **CalendarView.List** view whose **getEnableVirtualItemSpace** is true.
	setVisibleCells	Sets the number of cells visible at the same time.
	setVisibleColumns	Sets the number of visible group columns in a list view.

See Also

ListViewSettings Methods

ListViewSettings.getCellSettings Method

Gets a CellSettings object used to customize the visualization of cells in the CalendarView.List view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public CellSettings getCellSettings ()
```

Return Value

An instance of the CellSettings class.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.getCellSpacing Method

Gets the amount space between adjacent cells.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getCellSpacing ()
```

Return Value

A non-negative integer value specifying how much space to leave (expressed in pixels).

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.getCellUnits Method

Gets the resolution of the list view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public TimeUnit getCellUnits ()
```

Return Value

One of the TimeUnit constants.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.getContentsMargin Method

Gets the amount of space between the contents border and the actual contents of the view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getContentsMargin ()
```

Return Value

A non-negative integer value defining the border space in pixels.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.getEnableMilestoneMode Method

Gets a value indicating whether milestone item rendering mode is turned on. When in this mode, items are not rendered as ribbons but rather as small squares in the cell where the items start.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Boolean getEnableMilestoneMode ()
```

Return Value

A **Boolean** value.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.getEnableSnapping Method

Gets a value indicating whether custom snapping is enabled.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Boolean getEnableSnapping ()
```

Return Value

A **Boolean** value.

Remarks

When this property is enabled, the users will move and resize items with the precision specified by getSnapUnit instead of the precision of the view's resolution. When this property is disabled, the items will snap automatically to the border of their containing cells.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.getEnableVirtualItemSpace Method

Gets a value indicating whether items in the list view can be scrolled through.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Boolean getEnableVirtualItemSpace ()
```

Return Value

A **Boolean** value.

Remarks

Use this property to override the default behavior of the vertical scrollbar (in a horizontal CalendarView.List view) or the horizontal scrollbar (in a vertical **CalendarView.List** view). When this property is enabled, the appropriate scrollbar will scroll through the items that are not visible within the view (due to insufficient space) rather than scroll through the cells associated with resources in a grouped **CalendarView.List** view.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.getEvenWeeksBrush Method

Gets the brush used to paint the background of the contents of even weeks.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Brush getEvenWeeksBrush ()
```

Return Value

An instance of a Brush-derived class.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.getFooterFormat Method

Gets a string used to format the footer.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public String getFooterFormat ()
```

Return Value

A string specifying the display format.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.getFooterSize Method

Gets the footer size, in pixels.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getFooterSize ()
```

Return Value

A non-negative integer value specifying the subheader size.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.getFreeDrag Method

Gets a value indicating whether users can drag items anywhere in the view, not only in the first unoccupied row.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Boolean getFreeDrag ()
```

Return Value

A **Boolean** value.

Remarks

Set this property to true to disable the default item layout algorithm, where colliding items are arranged relative to each other according to their start and end times and their Item.getPriority. Turning this property on will allow users to move items anywhere within the view.

The position of an item within the view can be obtained and set programmatically through the use of the Calendar.getItemListLane and Calendar.setItemListLane methods.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.getGroupHeaderSize Method

Gets the size of the group header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getGroupHeaderSize ()
```

Return Value

A non-negative integer value specifying the size of the header in pixels.

Remarks

A value of 0 causes the calendar to automatically calculate a header size based on the size of the header font.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.getGroupHeaderStyle Method

Gets the appearance style used to paint the headers of individual columns.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Style getGroupHeaderStyle ()
```

Return Value

A Style object specifying the style of the column headers. This property cannot be **null**.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.getHeaderShadowColor Method

Gets the color of the shadows cast by headers.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Color getHeaderShadowColor ()
```

Return Value

A Color object specifying the shadow color.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.getHeaderShadowOffset Method

Gets the offset of the shadows from the headers that cast them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Integer getHeaderShadowOffset ()
```

Return Value

An integer value specifying the distance between a header and its shadow. The allowed values range from 1 to 5.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.getHeaderShadowStyle Method

Gets the style of the shadows cast by headers.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public ShadowStyle getHeaderShadowStyle ()
```

Return Value

One of the ShadowStyle constants.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.getHeaderSize Method

Gets the header size in pixels.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Integer getHeaderSize ()
```

Return Value

A non-negative integer value specifying the header size. A value of 0 hides the header.

Remarks

This value specifies the header width if getOrientation is Orientation.Horizontal or the height if **getOrientation** is Orientation.Vertical.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.getHeaderStyle Method

Gets the style of the List view header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public EnumSet<ListViewHeaderStyles> getHeaderStyle ()
```

Return Value

One of the ListViewHeaderStyles constants.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.getItemOrientation Method

Gets a value indicating whether the items are displayed horizontally, vertically or according to the orientation of the view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Orientation getItemOrientation ()
```

Return Value

A member of the Orientation enumeration.

Remarks

Items are usually oriented according to the view's orientation as specified by getOrientation. That is, items are horizontal in a horizontal CalendarView.List view and vice versa. The orientation of the items can be explicitly specified by using this property.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.getMainHeaderFormat Method

Gets a string used to format the main header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public String getMainHeaderFormat ()
```

Return Value

A string specifying the display format.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.getMainHeaderSize Method

Gets or sets the main header size, in pixels.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getMainHeaderSize ()
```

Return Value

A non-negative integer value specifying the subheader size.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.getNumberOfCells Method

Gets the total number of cells to be displayed in the CalendarView.List view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getNumberOfCells ()
```

Return Value

An integer value specifying how many days to display.

Remarks

This value cannot be less than 1 or less than the number of visible days as specified by getVisibleCells.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.getOddWeeksBrush Method

Gets the brush used to paint the background of the contents of odd weeks.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Brush getOddWeeksBrush ()
```

Return Value

An instance of a Brush-derived class.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.getOrientation Method

Gets a value indicating whether the cells are displayed horizontally or vertically.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Orientation getOrientation ()
```

Return Value

A member of the Orientation enumeration.

Remarks

If this property is set to Horizontal, the view header is displayed at the top and the day cells are arranged in a horizontal row underneath it. If set to **Vertical**, the header is displayed on the left side and the days are arranged in a vertical row on the right.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.getRotateGroupHeaderTexts Method

Gets a value indicating whether the group header texts in a horizontal list view are rotated.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Boolean getRotateGroupHeaderTexts ()
```

Return Value

true to display the group header text rotated; otherwise, **false**.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.getRotateHeaderTexts Method

Gets a value indicating whether the header texts in a horizontal list view are rotated.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Boolean getRotateHeaderTexts ()
```

Return Value

true to display the header text rotated; otherwise, **false**.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.getScrollStep Method

Gets the number of units to scroll when the user clicks the navigation buttons.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getScrollStep ()
```

Return Value

An integer value specifying the number of units to scroll.

Remarks

This property specifies the amount of units (as specified by getCellUnits) to scroll back and forth when using the navigation buttons in the CalendarView.List view.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.getShowGroupHeader Method

Gets a value indicating whether to display the resource grouping header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Boolean getShowGroupHeader ()
```

Return Value

A **Boolean** value.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.getShowNavigationButtons Method

Gets a value indicating whether the CalendarView.List view displays navigation buttons.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Boolean getShowNavigationButtons ()
```

Return Value

A **Boolean** value.

Remarks

The size of the buttons can be controlled through the Calendar.setButtonSize method of the Calendar class. The amount of units to scroll can be specified through setScrollStep property.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.getSnapUnit Method

Gets the snap unit.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public TimeUnit getSnapUnit ()
```

Return Value

One of the TimeUnit constants.

Remarks

Use this property in a conjunction with setEnableSnapping to specify the precision with which users can move and resize items interactively. If **setEnableSnapping** is set to **false** the value of this property is ignored and items snap to cell borders.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.getStyle Method

Gets the appearance style used to paint calendar elements that don't have a distinct style assigned to them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Style getStyle ()
```

Return Value

A Style object specifying the style of calendar UI elements. This property cannot be **null**.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.getSubHeaderDivisions Method

Gets the number of divisions in the sub-header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getSubHeaderDivisions ()
```

Return Value

An integer value specifying the number of cells in the subheader.

Remarks

The value of this property is used only when the subheader of the CalendarView.List view is displayed (as specified by getHeaderStyle). The value specifies the number of cells in the subheader. The date in each cell is calculated automatically and is displayed according to getSubTitleFormat.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.getSubHeaderSize Method

Gets the subheader size in pixels.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getSubHeaderSize ()
```

Return Value

A non-negative integer value specifying the subheader size.

Remarks

This value specifies the header width if getOrientation is Orientation.Horizontal or the height if **getOrientation** is Orientation.Vertical.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.getSubTitleFormat Method

Gets a string used to format the subtitle texts.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public String getSubTitleFormat ()
```

Return Value

A string specifying the display format.

Remarks

In addition to the standard specifiers, the "w1" format can be used to display only the first letter of the day of the week (that is, 'M' for Monday, 'T' for **Tuesday**, and so on). This specifier cannot be combined with other specifiers, it can be used only by its own.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.getTitleFormat Method

Gets a string used to format the cells titles.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public String getTitleFormat ()
```

Return Value

A string specifying the display format.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.getTotalLaneCount Method

Gets the number of lanes in a CalendarView.List view whose getEnableVirtualItemSpace is true.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getTotalLaneCount ()
```

Return Value

A non-negative integer value specifying the number of lanes in the view.

Remarks

When this property is set to 0, the item scrollbar is automatically adjusted so that it covers all existing items. Otherwise the item scrollbar is adjusted so that it covers the specified number of lanes.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.getVisibleCells Method

Gets the number of cells visible at the same time.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getVisibleCells ()
```

Return Value

A positive integer value specifying how many days to display simultaneously in the list view.

Remarks

This value cannot be less than 1 or less than the total number of days available in the view, as specified by getNumberOfCells.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.getVisibleColumns Method

Gets the number of visible group columns in a list view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Integer getVisibleColumns ()
```

Return Value

A positive integer value specifying the number of columns visible at the same time.

Remarks

This value is used only when the view is grouped. Otherwise, the number of columns is always 1.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.setCellSpacing Method

Sets the amount space between adjacent cells.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setCellSpacing (
    Integer value
)
```

Parameters

value
A non-negative integer value specifying how much space to leave (expressed in pixels). Set to **null** to use the corresponding value from the current theme.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.setCellUnits Method

Sets the resolution of the list view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setCellUnits (
    TimeUnit value
)
```

Parameters

value
One of the TimeUnit constants. Set to **null** to use the corresponding value from the current theme.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.setContentsMargin Method

Sets the amount of space between the contents border and the actual contents of the view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setContentsMargin (
    Integer value
)
```

Parameters

value
A non-negative integer value defining the border space in pixels. Set to **null** to use the corresponding value from the current theme.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.setEnableMilestoneMode Method

Sets a value indicating whether milestone item rendering mode is turned on. When in this mode, items are not rendered as ribbons but rather as small squares in the cell where the items start.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setEnableMilestoneMode (
    Boolean value
)
```

Parameters

value
A **Boolean** value. Set to **null** to use the corresponding value from the current theme.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.setEnableSnapping Method

Sets a value indicating whether custom snapping is enabled.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setEnableSnapping (
    Boolean value
)
```

Parameters

value
A **Boolean** value. Set to **null** to use the corresponding value from the current theme.

Remarks

When this property is enabled, the users will move and resize items with the precision specified by getSnapUnit instead of the precision of the view's resolution. When this property is disabled, the items will snap automatically to the border of their containing cells.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.setEnableVirtualItemSpace Method

Sets a value indicating whether items in the list view can be scrolled through.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setEnableVirtualItemSpace (
    Boolean value
)
```

Parameters

value
A **Boolean** value. Set to **null** to use the corresponding value from the current theme.

Remarks

Use this property to override the default behavior of the vertical scrollbar (in a horizontal CalendarView.List view) or the horizontal scrollbar (in a vertical **CalendarView.List** view). When this property is enabled, the appropriate scrollbar will scroll through the items that are not visible within the view (due to insufficient space) rather than scroll through the cells associated with resources in a grouped **CalendarView.List** view.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.setEvenWeeksBrush Method

Sets the brush used to paint the background of the contents of even weeks.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setEvenWeeksBrush (
    Brush value
)
```

Parameters

value
An instance of a Brush-derived class. Set to null to use the corresponding value from the current theme.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.setFooterFormat Method

Sets a string used to format the footer.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java

public void setFooterFormat (
    String value
)
```

Parameters

value
A string specifying the display format.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.setFooterSize Method

Gets the footer size, in pixels.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java

public void setFooterSize (
    Integer value
)
```

Parameters

value
A non-negative integer value specifying the size of the header in pixels. Set to **null** to use the corresponding value from the current theme.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.setFreeDrag Method

Sets a value indicating whether users can drag items anywhere in the view, not only in the first unoccupied row.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setFreeDrag (
    Boolean value
)
```

Parameters

value
A **Boolean** value. Set to **null** to use the corresponding value from the current theme.

Remarks

Set this property to **true** to disable the default item layout algorithm, where colliding items are arranged relative to each other according to their start and end times and their Item.getPriority. Turning this property on will allow users to move items anywhere within the view.

The position of an item within the view can be obtained and set programmatically through the use of the **Calendar.getItemListLane** and **Calendar.setItemListLane** methods.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.setGroupHeaderSize Method

Sets the size of the group header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setGroupHeaderSize (
    Integer value
)
```

Parameters

value
A non-negative integer value specifying the size of the header in pixels. Set to **null** to use the corresponding value from the current theme.

Remarks

A value of 0 causes the calendar to automatically calculate a header size based on the size of the header font.

See Also

ListViewSettings Members
ListViewSettings Class

ListViewSettings.setGroupHeaderStyle Method

Sets the appearance style used to paint the headers of individual columns.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setGroupHeaderStyle (
    Style value
)
```

Parameters

value
A Style object specifying the style of the column headers. This property cannot be **null**.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.setHeaderShadowColor Method

Sets the color of the shadows cast by headers.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setHeaderShadowColor (
    Color value
)
```

Parameters

value
A **Color** object specifying the shadow color. Set to **null** to use the corresponding value from the current theme.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.setHeaderShadowOffset Method

Sets the offset of the shadows from the headers that cast them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setHeaderShadowOffset (
    Integer value
)
```

Parameters

value
An integer value specifying the distance between a header and its shadow. The allowed values range from 1 to 5. Set to **null** to use the corresponding value from the current theme.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.setHeaderShadowStyle Method

Sets the style of the shadows cast by headers.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setHeaderShadowStyle (
    ShadowStyle value
)
```

Parameters

value
One of the ShadowStyle constants. Set to null to use the corresponding value from the current theme.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.setHeaderSize Method

Sets the header size in pixels.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setHeaderSize (
    Integer value
)
```

Parameters

value
A non-negative integer value specifying the header size. A value of 0 hides the header. Set to **null** to use the corresponding value from the current theme.

Remarks

This value specifies the header width if getOrientation is Orientation.Horizontal or the height if **getOrientation** is Orientation.Vertical.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.setHeaderStyle Method

Sets the style of the List view header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setHeaderStyle (
    EnumSet<ListViewHeaderStyles> value
)
```

Parameters

value
One of the ListViewHeaderStyles constants. Set to null to use the corresponding value from the current theme.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.setItemOrientation Method

Sets a value indicating whether the items are displayed horizontally, vertically or according to the orientation of the view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setItemOrientation (
    Orientation value
)
```

Parameters

value
A member of the Orientation enumeration. Set to **null** to use the corresponding value from the current theme.

Remarks

Items are usually oriented according to the view's orientation as specified by getOrientation. That is, items are horizontal in a horizontal CalendarView.List view and vice versa. The orientation of the items can be explicitly specified by using this property.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.setMainHeaderFormat Method

Sets a string used to format the main header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setMainHeaderFormat (
    String value
)
```

Parameters

value
A string specifying the display format.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.setMainHeaderSize Method

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setMainHeaderSize (
    Integer value
)
```

Parameters

value
A non-negative integer value specifying the size of the header in pixels. Set to **null** to use the corresponding value from the current theme.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.setNumberOfCells Method

Sets the total number of cells to be displayed in the CalendarView.List view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setNumberOfCells (
    Integer value
)
```

Parameters

value
An integer value specifying how many days to display. Set to **null** to use the corresponding value from the current theme.

Remarks

This value cannot be less than 1 or less than the number of visible days as specified by getVisibleCells.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.setOddWeeksBrush Method

Sets the brush used to paint the background of the contents of odd weeks.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setOddWeeksBrush (
    Brush value
)
```

Parameters

value
An instance of a Brush-derived class. Set to null to use the corresponding value from the current theme.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.setOrientation Method

Sets a value indicating whether the cells are displayed horizontally or vertically.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setOrientation (
    Orientation value
)
```

Parameters

value
A member of the Orientation enumeration. Set to **null** to use the corresponding value from the current theme.

Remarks

If this property is set to Orientation.Horizontal, the view header is displayed at the top and the day cells are arranged in a horizontal row underneath it. If set to Orientation.Vertical, the header is displayed on the left side and the days are arranged in a vertical row on the right.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.setRotateGroupHeaderTexts Method

Sets a value indicating whether the group header texts in a horizontal list view are rotated.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setRotateGroupHeaderTexts (
    Boolean value
)
```

Parameters

value
true to display the group header text rotated; otherwise, false. Set to **null** to use the corresponding value from the current theme.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.setRotateHeaderTexts Method

Sets a value indicating whether the header texts in a horizontal list view are rotated.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setRotateHeaderTexts (
    Boolean value
)
```

Parameters

value
true to display the header text rotated; otherwise, **false**. Set to **null** to use the corresponding value from the current theme.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.setScrollStep Method

Sets the number of units to scroll when the user clicks the navigation buttons.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setScrollStep (
    Integer value
)
```

Parameters

value
An integer value specifying the number of units to scroll. Set to **null** to use the corresponding value from the current theme.

Remarks

This property specifies the amount of units (as specified by getCellUnits) to scroll back and forth when using the navigation buttons in the CalendarView.List view.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.setShowGroupHeader Method

Sets a value indicating whether to display the resource grouping header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setShowGroupHeader (
    Boolean value
)
```

Parameters

value
A **Boolean** value. Set to **null** to use the corresponding value from the current theme.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.setShowNavigationButtons Method

Sets a value indicating whether the CalendarView.List view displays navigation buttons.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setShowNavigationButtons (
    Boolean value
)
```

Parameters

value
A **Boolean** value. Set to **null** to use the corresponding value from the current theme.

Remarks

The size of the buttons can be controlled through the Calendar.setButtonSize method of the Calendar class. The amount of units to scroll can be specified through setScrollStep property.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.setSnapUnit Method

Sets the snap unit.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setSnapUnit (
    TimeUnit value
)
```

Parameters

value
One of the TimeUnit constants. Set to **null** to use the corresponding value from the current theme.

Remarks

Use this property in a conjunction with setEnableSnapping to specify the precision with which users can move and resize items interactively. If **setEnableSnapping** is set to false the value of this property is ignored and items snap to cell borders.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.setStyle Method

Sets the appearance style used to paint calendar elements that don't have a distinct style assigned to them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setStyle (
    Style value
)
```

Parameters

value
A Style object specifying the style of calendar UI elements. This property cannot be **null**.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.setSubHeaderDivisions Method

Sets the number of divisions in the sub-header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setSubHeaderDivisions (
    Integer value
)
```

Parameters

value
An integer value specifying the number of cells in the subheader. Set to **null** to use the corresponding value from the current theme.

Remarks

The value of this property is used only when the subheader of the CalendarView.List view is displayed (as specified by getHeaderStyle). The value specifies the number of cells in the subheader. The date in each cell is calculated automatically and is displayed according to getSubTitleFormat.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.setSubHeaderSize Method

Sets the subheader size in pixels.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setSubHeaderSize (
    Integer value
)
```

Parameters

value
A non-negative integer value specifying the subheader size. Set to **null** to use the corresponding value from the current theme.

Remarks

This value specifies the header width if getOrientation is Orientation.Horizontal or the height if **getOrientation** is Orientation.Vertical.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.setSubTitleFormat Method

Sets a string used to format the subtitle texts.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setSubTitleFormat (
    String value
```

```
)
```

Parameters

value
A string specifying the display format. Set to **null** to use the corresponding value from the current theme.

Remarks

In addition to the standard specifiers, the "w1" format can be used to display only the first letter of the day of the week (that is, 'M' for Monday, 'T' for **Tuesday**, and so on). This specifier cannot be combined with other specifiers, it can be used only by its own.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.setTitleFormat Method

Sets a string used to format the cells titles.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setTitleFormat (
    String value
)
```

Parameters

value
A string specifying the display format. Set to **null** to use the corresponding value from the current theme.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.setTotalLaneCount Method

Sets the number of lanes in a CalendarView.List view whose getEnableVirtualItemSpace is true.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setTotalLaneCount (
    Integer value
)
```

Parameters

value
A non-negative integer value specifying the number of lanes in the view. Set to **null** to use the corresponding value from the current theme.

Remarks

When this property is set to 0, the item scrollbar is automatically adjusted so that it covers all existing items. Otherwise the item scrollbar is adjusted so that it covers the specified number of lanes.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.setVisibleCells Method

Sets the number of cells visible at the same time.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setVisibleCells (
    Integer value
)
```

Parameters

value
A positive integer value specifying how many days to display simultaneously in the list view. Set to **null** to use the corresponding value from the current theme.

Remarks

This value cannot be less than 1 or less than the total number of days available in the view, as specified by getNumberOfCells.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

ListViewSettings.setVisibleColumns Method

Sets the number of visible group columns in a list view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setVisibleColumns (
    Integer value
)
```

Parameters

value
A positive integer value specifying the number of columns visible at the same time. Set to **null** to use the corresponding value from the current theme.

Remarks

This value is used only when the view is grouped. Otherwise, the number of columns is always 1.

See Also

ListViewSettings Members
ListViewSettings Class
com.mindfusion.scheduling Namespace

MinuteFormat Enumeration

Specifies how to format and display minutes in the CalendarView.Timetable view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public enum MinuteFormat
```

Members

	Member name	Description
	Colons	Display a colon and a leading zero.
	Hidden	The minutes are not displayed.
	LeadingZero	Display a leading zero for single digit minutes.
	NoLeadingZero	No leading zero for single digit minutes.

See Also

ModifiedItemInfo Class

Contains information about a modified item which is accessed through the CalendarListener.itemsModified event.

Syntax

Java
`public class ModifiedItemInfo`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.ModifiedItemInfo

See Also

ModifiedItemInfo Members
com.mindfusion.scheduling Namespace

ModifiedItemInfo Members

Contains information about a modified item which is accessed through the CalendarListener.itemsModified event.

The following tables list the members exposed by the ModifiedItemInfo type.

Public Methods

	Name	Description
	getItem	Gets a reference to the modified item.
	getOldEndTime	Gets the previous end time of the modified item.
	getOldListLane	Gets the old list lane of the item.
	getOldResources	Gets the resources previously associated with the modified item.
	getOldStartTime	Gets the previous start time of the modified item.
	getResizeEnd	Gets a value indicating whether the item's end has been modified.
	getResizeStart	Gets a value indicating whether the item's start has been modified.

See Also

ModifiedItemInfo Class
com.mindfusion.scheduling Namespace

ModifiedItemInfo Methods

ModifiedItemInfo.getItem Method

Gets a reference to the modified item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Item getItem ()
```

Return Value

An instance of an Item-derived class.

See Also

ModifiedItemInfo Members
ModifiedItemInfo Class
com.mindfusion.scheduling Namespace

ModifiedItemInfo.getOldEndTime Method

Gets the previous end time of the modified item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public DateTime getOldEndTime ()
```

Return Value

A DateTime object representing the previous end time of the modified item.

See Also

ModifiedItemInfo Members
ModifiedItemInfo Class
com.mindfusion.scheduling Namespace

ModifiedItemInfo.getOldListLane Method

Gets the old list lane of the item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public int getOldListLane ()
```

Return Value

An integer value representing the previous list lane of the modified item.

See Also

ModifiedItemInfo Members
ModifiedItemInfo Class
com.mindfusion.scheduling Namespace

ModifiedItemInfo.getOldResources Method

Gets the resources previously associated with the modified item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public ResourceList<Resource> getOldResources ()
```

Return Value

A ResourceList containing the resources the modified item was previously associated with.

See Also

ModifiedItemInfo Members
ModifiedItemInfo Class
com.mindfusion.scheduling Namespace

ModifiedItemInfo.getOldStartTime Method

Gets the previous start time of the modified item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public DateTime getOldStartTime ()
```

Return Value

A DateTime object representing the previous start time of the modified item.

See Also

ModifiedItemInfo Members
ModifiedItemInfo Class
com.mindfusion.scheduling Namespace

ModifiedItemInfo.getResizeEnd Method

Gets a value indicating whether the item's end has been modified.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public boolean getResizeEnd ()
```

Return Value

A boolean value indicating whether the item's end has been modified.

See Also

ModifiedItemInfo Members
ModifiedItemInfo Class
com.mindfusion.scheduling Namespace

ModifiedItemInfo.getResizeStart Method

Gets a value indicating whether the item's start has been modified.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public boolean getResizeStart ()
```

Return Value

A boolean value indicating whether the item's start has been modified.

See Also

ModifiedItemInfo Members
ModifiedItemInfo Class
com.mindfusion.scheduling Namespace

MonthCellLayout Enumeration

Specifies the layout of the cells in a CalendarView.SingleMonth and **CalendarView.MonthRange** views.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java
`public enum MonthCellLayout`

Members

	Member name	Description
	Grid	Indicates that the cells are laid out in a grid, where each row in the grid contains the days of a single week.
	Linear	Indicates that the cells are laid out in a single line.

See Also

com.mindfusion.scheduling Namespace

MonthHeaderStyles Enumeration

Specifies the appearance and behavior of month headers in a CalendarView.SingleMonth and **CalendarView.MonthRange** views.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java
`public enum MonthHeaderStyles`

Members

	Member name	Description
	MonthButtons	Display buttons for scrolling to previous or next month.
	SubheaderPerDay	The sub headers are drawn separately for each day, rather than for the whole interval.
	Title	Display the date of the month in the header.
	YearButtons	Display buttons for scrolling to previous or next year.

See Also

com.mindfusion.scheduling Namespace

MonthRangeHeaderStyles Enumeration

Specifies the appearance and behavior of the header in a MonthRange view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java
`public enum MonthRangeHeaderStyles`

Members

	Member name	Description
	Buttons	The header displays buttons that can be used to scroll to previous and following months.
	Title	The header displays the start and end dates.

See Also

com.mindfusion.scheduling Namespace

MonthRangeSettings Class

Defines settings for the years in the calendar.

Syntax

Java
`public class MonthRangeSettings extends ViewSettings`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.ViewSettings
    com.mindfusion.scheduling.MonthRangeSettings

See Also

MonthRangeSettings Members
com.mindfusion.scheduling Namespace

MonthRangeSettings Members

Defines settings for the years in the calendar.

The following tables list the members exposed by the MonthRangeSettings type.

Public Methods

	Name	Description

	addChangeListener	Adds a ChangeListener to the view settings. (Inherited from ViewSettings.)
	getContentsMargin	Gets the amount of space between the contents border and the actual contents of the view.
	getHeaderHeight	Gets the height of the header in a CalendarView.MonthRange view.
	getHeaderShadowColor	Gets the color of the shadows cast by headers.
	getHeaderShadowOffset	Gets the offset of the shadows from the headers that cast them.
	getHeaderShadowStyle	Gets the style of the shadows cast by headers.
	getHeaderSpacing	Gets the amount of space between the headers.
	getHeaderStyle	Gets the style of the **CalendarView.MonthRange** view header.
	getMargin	Gets the amount of space between the outermost border of the view and its contents.
	getMonthSpacing	Gets the amount of space between adjacent months.
	getMonthsPerRow	Gets the number of months to be displayed in a row.
	getNumberOfMonths	Gets the number of months to display in the **CalendarView.MonthRange** view.
	getScrollInterval	Gets the number of months to scroll the view back or forth in time when a scroll button is pressed.
	getStyle	Gets the appearance style used to paint calendar elements that don't have a distinct style assigned to them.
	getTitleFormat	Gets the string used to format the month titles.
	getTitleSeparator	Gets the string used as a title separator in a **CalendarView.MonthRange** view that displays more than 1 month at a time.
	getVisibleRows	Gets the number of rows to display at the same time.
	removeChangeListener	Removes the specified **ChangeListener** from the view settings. (Inherited from ViewSettings.)
	setContentsMargin	Sets the amount of space between the contents border and the actual contents of the view.
	setHeaderHeight	Sets the height of the header in a **CalendarView.MonthRange** view.
	setHeaderShadowColor	Sets the color of the shadows cast by headers.
	setHeaderShadowOffset	Sets the offset of the shadows from the headers that cast them.
	setHeaderShadowStyle	Sets the style of the shadows cast by headers.
	setHeaderSpacing	Sets the amount of space between the headers.
	setHeaderStyle	Sets the style of the **CalendarView.MonthRange** view header.

	setMargin	Sets the amount of space between the outermost border of the view and its contents.
	setMonthSpacing	Sets the amount of space between adjacent months.
	setMonthsPerRow	Sets the number of months to be displayed in a row.
	setNumberOfMonths	Sets the number of months to display in the **CalendarView.MonthRange** view.
	setScrollInterval	Sets the number of months to scroll the view back or forth in time when a scroll button is pressed.
	setStyle	Sets the appearance style used to paint calendar elements that don't have a distinct style assigned to them.
	setTitleFormat	Sets the string used to format the month titles.
	setTitleSeparator	Sets the string used as a title separator in a **CalendarView.MonthRange** view that displays more than 1 month at a time.
	setVisibleRows	Sets the number of rows to display at the same time.

See Also

MonthRangeSettings Class
com.mindfusion.scheduling Namespace

MonthRangeSettings Methods

MonthRangeSettings.getContentsMargin Method

Gets the amount of space between the contents border and the actual contents of the view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Integer getContentsMargin ()
```

Return Value

A non-negative integer value specifying how many pixels to leave between the contents border and the time cells.

See Also

MonthRangeSettings Members
MonthRangeSettings Class
com.mindfusion.scheduling Namespace

MonthRangeSettings.getHeaderHeight Method

Gets the height of the header in a CalendarView.MonthRange view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Integer getHeaderHeight ()
```

Return Value

A non-negative integer value specifying the height of the header in pixels.

Remarks

A value of 0 causes the calendar control to automatically calculate the header height based on the size of the header font.

See Also

MonthRangeSettings Members
MonthRangeSettings Class
com.mindfusion.scheduling Namespace

MonthRangeSettings.getHeaderShadowColor Method

Gets the color of the shadows cast by headers.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Color getHeaderShadowColor ()
```

Return Value

A Color object specifying the color of headers' shadows.

See Also

MonthRangeSettings Members
MonthRangeSettings Class
com.mindfusion.scheduling Namespace

MonthRangeSettings.getHeaderShadowOffset Method

Gets the offset of the shadows from the headers that cast them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getHeaderShadowOffset ()
```

Return Value

An integer value specifying with how many pixels to offset a header's shadow from the header. The allowed values range from 1 to 5.

See Also

MonthRangeSettings Members
MonthRangeSettings Class
com.mindfusion.scheduling Namespace

MonthRangeSettings.getHeaderShadowStyle Method

Gets the style of the shadows cast by headers.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public ShadowStyle getHeaderShadowStyle ()
```

Return Value

One of the ShadowStyle constants.

See Also

MonthRangeSettings Members
MonthRangeSettings Class
com.mindfusion.scheduling Namespace

MonthRangeSettings.getHeaderSpacing Method

Gets the amount of space between the headers.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getHeaderSpacing ()
```

Return Value

An integer value specifying how many pixels there are between adjacent headers. The minimal allowed value is -1.

See Also

MonthRangeSettings Members
MonthRangeSettings Class
com.mindfusion.scheduling Namespace

MonthRangeSettings.getHeaderStyle Method

Gets the style of the CalendarView.MonthRange view header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public EnumSet<MonthRangeHeaderStyles> getHeaderStyle ()
```

Return Value

A set of the MonthRangeHeaderStyles constants.

See Also

MonthRangeSettings Members
MonthRangeSettings Class
com.mindfusion.scheduling Namespace

MonthRangeSettings.getMargin Method

Gets the amount of space between the outermost border of the view and its contents.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Integer getMargin ()
```

Return Value

A non-negative integer value specifying how many pixels there are between the view contents and the outermost view border.

See Also

MonthRangeSettings Members
MonthRangeSettings Class
com.mindfusion.scheduling Namespace

MonthRangeSettings.getMonthSpacing Method

Gets the amount of space between adjacent months.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getMonthSpacing ()
```

Return Value

A non-negative integer value specifying how many pixels there are between adjacent month cells.

See Also

MonthRangeSettings Members
MonthRangeSettings Class
com.mindfusion.scheduling Namespace

MonthRangeSettings.getMonthsPerRow Method

Gets the number of months to be displayed in a row.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getMonthsPerRow ()
```

Return Value

An integer value specifying how many months are displayed in a row in the month range view. The allowed values range from 1 to 12.

Remarks

If this value multiplied by getVisibleRows is larger than getNumberOfMonths, the calendar component displays scrollbars letting users scroll the view up and down.

See Also

MonthRangeSettings Members
MonthRangeSettings Class
com.mindfusion.scheduling Namespace

MonthRangeSettings.getNumberOfMonths Method

Gets the number of months to display in the CalendarView.MonthRange view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getNumberOfMonths ()
```

Return Value

A positive integer value specifying how many months to display in the view.

Remarks

If the number of months is larger than number of rows multiplied by getMonthsPerRow, the calendar component displays scrollbar, letting users scroll the view up and down.

See Also

MonthRangeSettings Members
MonthRangeSettings Class
com.mindfusion.scheduling Namespace

MonthRangeSettings.getScrollInterval Method

Gets the number of months to scroll the view back or forth in time when a scroll button is pressed.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getScrollInterval ()
```

Return Value

A positive integer value specifying with how many months to scroll the view.

See Also

MonthRangeSettings Members
MonthRangeSettings Class
com.mindfusion.scheduling Namespace

MonthRangeSettings.getStyle Method

Gets the appearance style used to paint calendar elements that don't have a distinct style assigned to them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Style getStyle ()
```

Return Value

An instance of the Style class specifying the style of calendar UI elements. This property cannot be **null**.

See Also

MonthRangeSettings Members
MonthRangeSettings Class
com.mindfusion.scheduling Namespace

MonthRangeSettings.getTitleFormat Method

Gets the string used to format the month titles.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public String getTitleFormat ()
```

Return Value

A string specifying the display format.

See Also

MonthRangeSettings Members
MonthRangeSettings Class
com.mindfusion.scheduling Namespace

MonthRangeSettings.getTitleSeparator Method

Gets the string used as a title separator in a CalendarView.MonthRange view that displays more than 1 month at a time.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public String getTitleSeparator ()
```

Return Value

A string containing the separator text.

Remarks

The format of the text displayed in the view's header is in the format "<FirstDate><TitleSeparator><LastDate>", where <FirstDate> and <LastDate> indicate the first and the last visible dates in the calendar, formatted according to getTitleFormat. The <TitleSeparator> represents the value of this property. If **getTitleSeparator** is an empty string, then the header's text is only "<FirstDate>".

See Also

MonthRangeSettings Members
MonthRangeSettings Class
com.mindfusion.scheduling Namespace

MonthRangeSettings.getVisibleRows Method

Gets the number of rows to display at the same time.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Integer getVisibleRows ()
```

Return Value

A positive integer value specifying how many rows of month cells to display.

See Also

MonthRangeSettings Members
MonthRangeSettings Class
com.mindfusion.scheduling Namespace

MonthRangeSettings.setContentsMargin Method

Sets the amount of space between the contents border and the actual contents of the view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setContentsMargin (
    Integer value
)
```

Parameters

value
A non-negative integer value specifying how many pixels to leave between the contents border and the time cells. Set to **null** to use the corresponding value from the current theme.

See Also

MonthRangeSettings Members
MonthRangeSettings Class
com.mindfusion.scheduling Namespace

MonthRangeSettings.setHeaderHeight Method

Sets the height of the header in a CalendarView.MonthRange view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setHeaderHeight (
    Integer value
)
```

Parameters

value
A non-negative integer value specifying the height of the header in pixels. Set to **null** to use the corresponding value from the current theme.

Remarks

A value of 0 causes the calendar control to automatically calculate the header height based on the size of the header font.

See Also

MonthRangeSettings Members
MonthRangeSettings Class
com.mindfusion.scheduling Namespace

MonthRangeSettings.setHeaderShadowColor Method

Sets the color of the shadows cast by headers.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setHeaderShadowColor (
    Color value
)
```

Parameters

value
A **Color** object specifying the color of headers' shadows. Set to **null** to use the corresponding value from the current theme.

See Also

MonthRangeSettings Members
MonthRangeSettings Class
com.mindfusion.scheduling Namespace

MonthRangeSettings.setHeaderShadowOffset Method

Sets the offset of the shadows from the headers that cast them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setHeaderShadowOffset (
    Integer value
)
```

Parameters

value
An integer value specifying with how many pixels to offset a header's shadow from the header. The allowed values range from 1 to 5. Set to **null** to use the corresponding value from the current theme.

See Also

MonthRangeSettings Members
MonthRangeSettings Class
com.mindfusion.scheduling Namespace

MonthRangeSettings.setHeaderShadowStyle Method

Sets the style of the shadows cast by headers.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setHeaderShadowStyle (
    ShadowStyle value
)
```

Parameters

value
One of the ShadowStyle constants. Set to null to use the corresponding value from the current theme.

See Also

MonthRangeSettings Members
MonthRangeSettings Class

MonthRangeSettings.setHeaderSpacing Method

Sets the amount of space between the headers.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setHeaderSpacing (
    Integer value
)
```

Parameters

value
An integer value specifying how many pixels there are between adjacent headers. The minimal allowed value is -1. Set to **null** to use the corresponding value from the current theme.

See Also

MonthRangeSettings Members
MonthRangeSettings Class
com.mindfusion.scheduling Namespace

MonthRangeSettings.setHeaderStyle Method

Sets the style of the CalendarView.MonthRange view header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setHeaderStyle (
    EnumSet<MonthRangeHeaderStyles> value
)
```

Parameters

value
A set of the MonthRangeHeaderStyles constants. Set to null to use the corresponding value from the current theme.

See Also

MonthRangeSettings Members
MonthRangeSettings Class
com.mindfusion.scheduling Namespace

MonthRangeSettings.setMargin Method

Sets the amount of space between the outermost border of the view and its contents.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setMargin (
    Integer value
)
```

Parameters

value
A non-negative integer value specifying how many pixels there are between the view contents and the outermost view border. Set to **null** to use the corresponding value from the current theme.

See Also

MonthRangeSettings Members
MonthRangeSettings Class
com.mindfusion.scheduling Namespace

MonthRangeSettings.setMonthSpacing Method

Sets the amount of space between adjacent months.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setMonthSpacing (
    Integer value
)
```

Parameters

value
A non-negative integer value specifying how many pixels there are between adjacent month cells. Set to **null** to use the corresponding value from the current theme.

See Also

MonthRangeSettings Members
MonthRangeSettings Class
com.mindfusion.scheduling Namespace

MonthRangeSettings.setMonthsPerRow Method

Sets the number of months to be displayed in a row.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setMonthsPerRow (
    Integer value
)
```

Parameters

value
An integer value specifying how many months are displayed in a row in the month range view. The allowed values range from 1 to 12. Set to **null** to use the corresponding value from the current theme.

Remarks

If this value multiplied by getVisibleRows is larger than getNumberOfMonths, the calendar component displays scrollbars letting users scroll the view up and down.

See Also

MonthRangeSettings Members
MonthRangeSettings Class
com.mindfusion.scheduling Namespace

MonthRangeSettings.setNumberOfMonths Method

Sets the number of months to display in the CalendarView.MonthRange view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setNumberOfMonths (
    Integer value
)
```

Parameters

value
A positive integer value specifying how many months to display in the view. Set to **null** to use the corresponding value from the current theme.

Remarks

If the number of months is larger than number of rows multiplied by getMonthsPerRow, the calendar component displays scrollbar, letting users scroll the view up and down.

See Also

MonthRangeSettings Members
MonthRangeSettings Class

MonthRangeSettings.setScrollInterval Method

Sets the number of months to scroll the view back or forth in time when a scroll button is pressed.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setScrollInterval (
    Integer value
)
```

Parameters

value
A positive integer value specifying with how many months to scroll the view. Set to **null** to use the corresponding value from the current theme.

See Also

MonthRangeSettings Members
MonthRangeSettings Class
com.mindfusion.scheduling Namespace

MonthRangeSettings.setStyle Method

Sets the appearance style used to paint calendar elements that don't have a distinct style assigned to them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setStyle (
    Style value
)
```

Parameters

value
An instance of the Style class specifying the style of calendar UI elements. This property cannot be **null**.

See Also

MonthRangeSettings Members
MonthRangeSettings Class
com.mindfusion.scheduling Namespace

MonthRangeSettings.setTitleFormat Method

Sets the string used to format the month titles.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setTitleFormat (
    String value
)
```

Parameters

value
A string specifying the display format. Set to **null** to use the corresponding value from the current theme.

See Also

MonthRangeSettings Members
MonthRangeSettings Class
com.mindfusion.scheduling Namespace

MonthRangeSettings.setTitleSeparator Method

Sets the string used as a title separator in a CalendarView.MonthRange view that displays more than 1 month at a time.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setTitleSeparator (
    String value
)
```

Parameters

value
A string containing the separator text. Set to **null** to use the corresponding value from the current theme.

Remarks

The format of the text displayed in the view's header is in the format "<FirstDate><TitleSeparator><LastDate>", where <FirstDate> and <LastDate> indicate the first and the last visible dates in the calendar, formatted according to getTitleFormat. The <TitleSeparator> represents the value of this property. If getTitleSeparator is an empty string, then the header's text is only "<FirstDate>".

See Also

MonthRangeSettings Members
MonthRangeSettings Class
com.mindfusion.scheduling Namespace

MonthRangeSettings.setVisibleRows Method

Sets the number of rows to display at the same time.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setVisibleRows (
    Integer value
)
```

Parameters

value
A positive integer value specifying how many rows of month cells to display. Set to **null** to use the corresponding value from the current theme.

See Also

MonthRangeSettings Members
MonthRangeSettings Class
com.mindfusion.scheduling Namespace

MonthSettings Class

Defines properties that allow customizing the visualization of months in the CalendarView.SingleMonth and **CalendarView.MonthRange** views.

Syntax

Java

```
public class MonthSettings extends ViewSettings
```

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.ViewSettings
    com.mindfusion.scheduling.MonthSettings

See Also

MonthSettings Members
com.mindfusion.scheduling Namespace

MonthSettings Members

Defines properties that allow customizing the visualization of months in the CalendarView.SingleMonth and **CalendarView.MonthRange** views.

The following tables list the members exposed by the MonthSettings type.

Public Methods

	Name	Description
	addChangeListener	Adds a ChangeListener to the view settings. (Inherited from ViewSettings.)
	getCellLayout	Gets the layout of the cells in **CalendarView.SingleMonth** and **CalendarView.MonthRange** views.
	getContentsMargin	Gets the amount of space between the month's day cells and the month's bounding rectangle.
	getDayOfWeekFormat	Gets the format of the day names displayed in the week header.
	getDaySettings	Gets the CellSettings object used to customize the visualization of days in **CalendarView.SingleMonth** and **CalendarView.MonthRange** views.
	getDaySpacing	Gets the amount of space between adjacent days.
	getEnableLanes	Gets a value indicating whether the view should take into consideration the lanes associated with item.
	getEnableSnapping	Gets a value indicating whether snapping is enabled.
	getFilterWeekends	Gets a value indicating whether to hide weekend cells.
	getHeaderShadowColor	Gets the color of the header shadows.
	getHeaderShadowOffset	Gets the offset of the shadows from the headers that cast them.
	getHeaderShadowStyle	Gets the style of the shadows cast by headers.
	getHeaderSpacing	Gets the amount of space between headers.
	getHeaderStyle	Gets the style of the month's header.
	getHideTrailingWeeks	Gets a value indicating whether to hide trailing weeks, which do not contain days from the current month.
	getLeadingWeekCount	Gets the number of full weeks to display from the previous month.
	getMainHeaderHeight	Gets the height of the main header in a month view.
	getMargin	Gets the amount of space between the outermost frame of the month and the month's contents.
	getPaddingDaysStyle	Gets the Style object used to specify appearance settings for the days from previous and next months, shown when the getShowPaddingDays is enabled.
	getRotateWeekHeaderTexts	Gets a value indicating whether the week header texts should be rotated.

	getShowDayOfWeek	Gets a value indicating whether the day names are displayed in the month's header.
	getShowPaddingDays	Gets a value indicating whether to display days from the previous and next months at the beginning and the end of the current one, in order to fill the whole grid of day cells.
	getShowPaddingItems	Gets a value indicating whether to show items in padding days.
	getSnapUnit	Gets the snap unit.
	getStyle	Gets the appearance style used to paint calendar elements that don't have a distinct style assigned to them.
	getSubHeaderHeight	Gets the height of the secondary header in a SingleMonth view.
	getTitleFormat	Gets the string used to format the month's title.
	getTrailingWeekCount	Gets the number of full weeks to display from the next month.
	getWeekHeaderFormat	Gets the format of the text displayed for each week in the week header.
	getWeekHeaderStyle	Gets the style of the week numbers header.
	getWeekNumbersHeaderWidth	Gets the width of the header, which displays week numbers.
	removeChangeListener	Removes the specified **ChangeListener** from the view settings. (Inherited from ViewSettings.)
	setCellLayout	Sets the layout of the cells in **CalendarView.SingleMonth** and **CalendarView.MonthRange** views.
	setContentsMargin	Sets the amount of space between the month's day cells and the month's bounding rectangle.
	setDayOfWeekFormat	Sets the format of the day names displayed in the week header.
	setDaySpacing	Sets the amount of space between adjacent days.
	setEnableLanes	Sets a value indicating whether the view should take into consideration the lanes associated with item.
	setEnableSnapping	Sets a value indicating whether custom snapping is enabled.
	setFilterWeekends	Sets a value indicating whether to hide weekend cells.
	setHeaderShadowColor	Sets the color of the header shadows.
	setHeaderShadowOffset	Sets the offset of the shadows from the headers that cast them.
	setHeaderShadowStyle	Sets the style of the shadows cast by headers.
	setHeaderSpacing	Sets the amount of space between headers.
	setHeaderStyle	Sets the style of the month's header.
	setHideTrailingWeeks	Sets a value indicating whether to hide trailing weeks, which do not contain days from the current month.

	setLeadingWeekCount	Sets the number of full weeks to display from the previous month.
	setMainHeaderHeight	Sets the height of the main header in a month view.
	setMargin	Sets the amount of space between the outermost frame of the month and the month's contents.
	setPaddingDaysStyle	Sets the **Style** object used to specify appearance settings for the days from previous and next months, shown when the **getShowPaddingDays** is enabled.
	setRotateWeekHeaderTexts	Sets a value indicating whether the week header texts should be rotated.
	setShowDayOfWeek	Sets a value indicating whether the day names are displayed in the month's header.
	setShowPaddingDays	Sets a value indicating whether to display days from the previous and next months at the beginning and the end of the current one, in order to fill the whole grid of day cells.
	setShowPaddingItems	Sets a value indicating whether to show items in padding days.
	setSnapUnit	Sets the snap unit.
	setStyle	Sets the appearance style used to paint calendar elements that don't have a distinct style assigned to them.
	setSubHeaderHeight	Sets the height of the secondary header in a SingleMonth view.
	setTitleFormat	Sets the string used to format the month's title.
	setTrailingWeekCount	Sets the number of full weeks to display from the next month.
	setWeekHeaderFormat	Sets the format of the text displayed for each week in the week header.
	setWeekHeaderStyle	Sets the style of the week numbers header.
	setWeekNumbersHeaderWidth	Sets the width of the header, which displays week numbers.

See Also

MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings Methods

MonthSettings.getCellLayout Method

Gets the layout of the cells in CalendarView.SingleMonth and **CalendarView.MonthRange** views.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public MonthCellLayout getCellLayout ()
```

Return Value

One of the MonthCellLayout constants.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.getContentsMargin Method

Gets the amount of space between the month's day cells and the month's bounding rectangle.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Integer getContentsMargin ()
```

Return Value

A non-negative integer value specifying how many pixels to leave between the cells and the month's bounds.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.getDayOfWeekFormat Method

Gets the format of the day names displayed in the week header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public DayOfWeekFormat getDayOfWeekFormat ()
```

Return Value

One of the DayOfWeekFormat constants.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.getDaySettings Method

Gets the CellSettings object used to customize the visualization of days in CalendarView.SingleMonth and **CalendarView.MonthRange** views.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public CellSettings getDaySettings ()
```

Return Value

An instance of the CellSettings class.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.getDaySpacing Method

Gets the amount of space between adjacent days.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getDaySpacing ()
```

Return Value

A non-negative integer value specifying how many pixels to leave between adjacent day cells.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.getEnableLanes Method

Gets a value indicating whether the view should take into consideration the lanes associated with item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Boolean getEnableLanes ()
```

Return Value

A Boolean value.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.getEnableSnapping Method

Gets a value indicating whether snapping is enabled.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Boolean getEnableSnapping ()
```

Return Value

A Boolean value.

Remarks

When this property is enabled, the users will move and resize items with the precision specified by getSnapUnit instead of the precision of the view's resolution. When this property is disabled, the items will snap automatically to the border of their containing cells.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.getFilterWeekends Method

Gets a value indicating whether to hide weekend cells.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Boolean getFilterWeekends ()
```

Return Value

A **Boolean** value.

Remarks

This property is ignored if getCellLayout is MonthCellLayout.Linear.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.getHeaderShadowColor Method

Gets the color of the header shadows.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Color getHeaderShadowColor ()
```

Return Value

A Color object specifying the color of headers' shadows.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.getHeaderShadowOffset Method

Gets the offset of the shadows from the headers that cast them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getHeaderShadowOffset ()
```

Return Value

An integer value specifying how many pixels there are between headers and their shadows. The allowed values range from 1 to 5.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.getHeaderShadowStyle Method

Gets the style of the shadows cast by headers.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public ShadowStyle getHeaderShadowStyle ()
```

Return Value

One of the ShadowStyle constants.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.getHeaderSpacing Method

Gets the amount of space between headers.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getHeaderSpacing ()
```

Return Value

An integer value specifying how many pixels to leave between headers. The minimal allowed value is -1.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.getHeaderStyle Method

Gets the style of the month's header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public EnumSet<MonthHeaderStyles> getHeaderStyle ()
```

Return Value

A set of the MonthHeaderStyles constants.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.getHideTrailingWeeks Method

Gets a value indicating whether to hide trailing weeks, which do not contain days from the current month.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Boolean getHideTrailingWeeks ()
```

Return Value

A **Boolean** value.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.getLeadingWeekCount Method

Gets the number of full weeks to display from the previous month.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Integer getLeadingWeekCount ()
```

Return Value

A non-negative integer value specifying the number of weeks to display before the first week of the selected month.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.getMainHeaderHeight Method

Gets the height of the main header in a month view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Integer getMainHeaderHeight ()
```

Return Value

A non-negative integer value specifying the height of the main header in pixels.

Remarks

A value of 0 causes the Calendar component to automatically calculate the header size based on the header font size.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.getMargin Method

Gets the amount of space between the outermost frame of the month and the month's contents.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Integer getMargin ()
```

Return Value

A non-negative integer value specifying the margins size in pixels.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.getPaddingDaysStyle Method

Gets the Style object used to specify appearance settings for the days from previous and next months, shown when the getShowPaddingDays is enabled.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Style getPaddingDaysStyle ()
```

Return Value

An instance of the Style class. This property cannot be **null**.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.getRotateWeekHeaderTexts Method

Gets a value indicating whether the week header texts should be rotated.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Boolean getRotateWeekHeaderTexts ()
```

Return Value

true to rotate the texts in the week header; otherwise, **false**.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.getShowDayOfWeek Method

Gets a value indicating whether the day names are displayed in the month's header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Boolean getShowDayOfWeek ()
```

Return Value

true to display day names; otherwise, **false**.

Remarks

The day names are obtained from the DateTimeInfo object returned by Calendar.getDateTimeInfo.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.getShowPaddingDays Method

Gets a value indicating whether to display days from the previous and next months at the beginning and the end of the current one, in order to fill the whole grid of day cells.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Boolean getShowPaddingDays ()
```

Return Value

true to display days from the previous and next months to fill up this month's grid; otherwise, **false**.

Remarks

Padding days are also displayed in the month range view for the first and the last months contained in the view.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.getShowPaddingItems Method

Gets a value indicating whether to show items in padding days.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Boolean getShowPaddingItems ()
```

Return Value

true to display items from the previous and next months in the padding days; otherwise, **false**.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.getSnapUnit Method

Gets the snap unit.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public TimeUnit getSnapUnit ()
```

Return Value

One of the TimeUnit constants.

Remarks

Use this property in a conjunction with setEnableSnapping to specify the precision with which users can move and resize items interactively. If **setEnableSnapping** is set to false the value of this property is ignored and items snap to cell borders.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.getStyle Method

Gets the appearance style used to paint calendar elements that don't have a distinct style assigned to them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Style getStyle ()
```

Return Value

A Style object specifying the style of calendar UI elements. This property cannot be **null**.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.getSubHeaderHeight Method

Gets the height of the secondary header in a SingleMonth view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getSubHeaderHeight ()
```

Return Value

A non-negative integer value specifying the height of the header in pixels.

Remarks

A value of 0 causes the Calendar component to automatically calculate the header size based on the header font size.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.getTitleFormat Method

Gets the string used to format the month's title.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
```

Java

```
public String getTitleFormat ()
```

Return Value

A string specifying the display format.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.getTrailingWeekCount Method

Gets the number of full weeks to display from the next month.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Integer getTrailingWeekCount ()
```

Return Value

A non-negative integer value specifying the number of weeks to display after the selected month.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.getWeekHeaderFormat Method

Gets the format of the text displayed for each week in the week header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public String getWeekHeaderFormat ()
```

Return Value

A string specifying the display format.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.getWeekHeaderStyle Method

Gets the style of the week numbers header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public MonthWeekHeaderStyle getWeekHeaderStyle ()
```

Return Value

One of the MonthWeekHeaderStyle constants.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.getWeekNumbersHeaderWidth Method

Gets the width of the header, which displays week numbers.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getWeekNumbersHeaderWidth ()
```

Return Value

A non-negative integer value specifying the header width in pixels.

Remarks

A value of 0 causes the Calendar component to automatically calculate the header size based on the header font size.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.setCellLayout Method

Sets the layout of the cells in CalendarView.SingleMonth and **CalendarView.MonthRange** views.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setCellLayout (
    MonthCellLayout value
)
```

Parameters

value
One of the MonthCellLayout constants or null. Set to **null** to use the corresponding value from the current theme.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.setContentsMargin Method

Sets the amount of space between the month's day cells and the month's bounding rectangle.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setContentsMargin (
    Integer value
)
```

Parameters

value
A non-negative integer value specifying how many pixels to leave between the cells and the month's bounds. Set to **null** to use the corresponding value from the current theme.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.setDayOfWeekFormat Method

Sets the format of the day names displayed in the week header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java

public void setDayOfWeekFormat (
    DayOfWeekFormat value
)
```

Parameters

value
One of the DayOfWeekFormat constants or **null**. Set to null to use the corresponding value from the current theme.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.setDaySpacing Method

Sets the amount of space between adjacent days.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java

public void setDaySpacing (
    Integer value
)
```

Parameters

value
A non-negative integer value specifying how many pixels to leave between adjacent day cells. Set to **null** to use the corresponding value from the current theme.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.setEnableLanes Method

Sets a value indicating whether the view should take into consideration the lanes associated with item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setEnableLanes (
    Boolean value
)
```

Parameters

value
A Boolean value. Set to null to use the corresponding value from the current theme.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.setEnableSnapping Method

Sets a value indicating whether custom snapping is enabled.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setEnableSnapping (
    Boolean value
)
```

Parameters

value
A Boolean value. Set to null to use the corresponding value from the current theme.

Remarks

When this property is enabled, the users will move and resize items with the precision specified by getSnapUnit instead of the precision of the view's resolution. When this property is disabled, the items will snap automatically to the border of their containing cells.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.setFilterWeekends Method

Sets a value indicating whether to hide weekend cells.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setFilterWeekends (
    Boolean value
)
```

Parameters

value
A **Boolean** value. Set to **null** to use the corresponding value from the current theme.

Remarks

This property is ignored if getCellLayout is MonthCellLayout.Linear.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.setHeaderShadowColor Method

Sets the color of the header shadows.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setHeaderShadowColor (
    Color value
)
```

Parameters

value
A **Color** object specifying the color of headers' shadows. Set to **null** to use the corresponding value from the current theme.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.setHeaderShadowOffset Method

Sets the offset of the shadows from the headers that cast them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setHeaderShadowOffset (
    Integer value
)
```

Parameters

value
An integer value specifying how many pixels there are between headers and their shadows. The allowed values range from 1 to 5. Set to **null** to use the corresponding value from the current theme.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.setHeaderShadowStyle Method

Sets the style of the shadows cast by headers.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setHeaderShadowStyle (
    ShadowStyle value
)
```

Parameters

value
One of the ShadowStyle constants or null. Set to null to use the corresponding value from the current theme.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.setHeaderSpacing Method

Sets the amount of space between headers.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setHeaderSpacing (
    Integer value
)
```

Parameters

value

An integer value specifying how many pixels to leave between headers. The minimal allowed value is -1. Set to **null** to use the corresponding value from the current theme.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.setHeaderStyle Method

Sets the style of the month's header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setHeaderStyle (
    EnumSet<MonthHeaderStyles> value
)
```

Parameters

value

A set of the MonthHeaderStyles constants. Set to null to use the corresponding value from the current theme.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.setHideTrailingWeeks Method

Sets a value indicating whether to hide trailing weeks, which do not contain days from the current month.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setHideTrailingWeeks (
    Boolean value
```

```
)
```

Parameters

value
A **Boolean** value. Set to **null** to use the corresponding value from the current theme.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.setLeadingWeekCount Method

Sets the number of full weeks to display from the previous month.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setLeadingWeekCount (
    Integer value
)
```

Parameters

value
A non-negative integer value specifying the number of weeks to display before the first week of the selected month. Set to **null** to use the corresponding value from the current theme.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.setMainHeaderHeight Method

Sets the height of the main header in a month view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setMainHeaderHeight (
    Integer value
)
```

Parameters

value
A non-negative integer value specifying the height of the main header in pixels. Set to **null** to use the corresponding value from the current theme.

Remarks

A value of 0 causes the Calendar component to automatically calculate the header size based on the header font size.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.setMargin Method

Sets the amount of space between the outermost frame of the month and the month's contents.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setMargin (
    Integer value
)
```

Parameters

value
A non-negative integer value specifying the margins size in pixels. Set to **null** to use the corresponding value from the current theme.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.setPaddingDaysStyle Method

Sets the Style object used to specify appearance settings for the days from previous and next months, shown when the getShowPaddingDays is enabled.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setPaddingDaysStyle (
    Style value
)
```

Parameters

value
An instance of the Style class. This property cannot be **null**.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.setRotateWeekHeaderTexts Method

Sets a value indicating whether the week header texts should be rotated.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setRotateWeekHeaderTexts (
    Boolean value
)
```

Parameters

value
true to rotate the texts in the week header; otherwise, **false**. Set to **null** to use the corresponding value from the current theme.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.setShowDayOfWeek Method

Sets a value indicating whether the day names are displayed in the month's header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setShowDayOfWeek (
    Boolean value
)
```

Parameters

value

true to display day names; otherwise, **false**. Set to **null** to use the corresponding value from the current theme.

Remarks

The day names are obtained from the DateTimeInfo object returned by Calendar.getDateTimeInfo.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.setShowPaddingDays Method

Sets a value indicating whether to display days from the previous and next months at the beginning and the end of the current one, in order to fill the whole grid of day cells.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setShowPaddingDays (
    Boolean value
)
```

Parameters

value
true to display days from the previous and next months to fill up this month's grid; otherwise, **false**. Set to **null** to use the corresponding value from the current theme.

Remarks

Padding days are also displayed in the month range view for the first and the last months contained in the view.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.setShowPaddingItems Method

Sets a value indicating whether to show items in padding days.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setShowPaddingItems (
    Boolean value
)
```

Parameters

value

true to display items from the previous and next months in the padding days; otherwise, **false**. Set to **null** to use the corresponding value from the current theme.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.setSnapUnit Method

Sets the snap unit.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setSnapUnit (
    TimeUnit value
)
```

Parameters

value

One of the TimeUnit constants. Set to null to use the corresponding value from the current theme.

Remarks

Use this property in a conjunction with setEnableSnapping to specify the precision with which users can move and resize items interactively. If **setEnableSnapping** is set to false the value of this property is ignored and items snap to cell borders.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.setStyle Method

Sets the appearance style used to paint calendar elements that don't have a distinct style assigned to them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setStyle (
    Style value
)
```

Parameters

value
A Style object specifying the style of calendar UI elements. This property cannot be **null**.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.setSubHeaderHeight Method

Sets the height of the secondary header in a SingleMonth view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setSubHeaderHeight (
    Integer value
)
```

Parameters

value
A non-negative integer value specifying the height of the header in pixels. Set to **null** to use the corresponding value from the current theme.

Remarks

A value of 0 causes the Calendar component to automatically calculate the header size based on the header font size.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.setTitleFormat Method

Sets the string used to format the month's title.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setTitleFormat (
    String value
)
```

Parameters

value
A string specifying the display format. Set to **null** to use the corresponding value from the current theme.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.setTrailingWeekCount Method

Sets the number of full weeks to display from the next month.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setTrailingWeekCount (
    Integer value
)
```

Parameters

value
A non-negative integer value specifying the number of weeks to display after the selected month. Set to **null** to use the corresponding value from the current theme.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.setWeekHeaderFormat Method

Sets the format of the text displayed for each week in the week header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setWeekHeaderFormat (
    String value
```

```
)
```

Parameters

value
A string specifying the display format. Set to **null** to use the corresponding value from the current theme.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.setWeekHeaderStyle Method

Sets the style of the week numbers header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setWeekHeaderStyle (
    MonthWeekHeaderStyle value
)
```

Parameters

value
One of the MonthWeekHeaderStyle constants or null. Set to **null** to use the corresponding value from the current theme.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthSettings.setWeekNumbersHeaderWidth Method

Sets the width of the header, which displays week numbers.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setWeekNumbersHeaderWidth (
    Integer value
)
```

Parameters

value
A non-negative integer value specifying the header width in pixels. Set to **null** to use the corresponding value from the current theme.

Remarks

A value of 0 causes the Calendar component to automatically calculate the header size based on the header font size.

See Also

MonthSettings Members
MonthSettings Class
com.mindfusion.scheduling Namespace

MonthWeekHeaderStyle Enumeration

Specifies the placement of the week numbers header in a SingleMonth view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java
`public enum MonthWeekHeaderStyle`

Members

	Member name	Description
	Left	Display the header on the left side of the calendar.
	None	Do not display a week numbers header.
	Right	Display the header on the right side of the calendar.

See Also

com.mindfusion.scheduling Namespace

Position Enumeration

Specifies the position of an element relative to its container.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java
`public enum Position`

Members

	Member name	Description
	Bottom	The element is docked at the bottom side.
	Left	The element is docked at the left side.
	None	The element is not displayed.
	Right	The element is docked at the right side.
	Top	The element is docked at the top side.

See Also

com.mindfusion.scheduling Namespace

PreviewTextKey Enumeration

Contains the key for various texts in the built-in Print Preview form.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java
`public enum PreviewTextKey`

Members

	Member name	Description
	Auto	Identifies the 'Auto' menu item text.
	Close	Identifies the 'Close' menu item text.
	DecreaseSize	Identifies the 'Decrease Size' menu item text.
	DoubleSize	Identifies the 'Double Size' menu item text.
	FirstPage	Identifies the 'First Page' button tool-tip.
	FitToPage	Identifies the 'Fit to Page' menu item text.
	FourPages	Identifies the 'Four Pages' button tool-tip.
	HalveSize	Identifies the 'Halve Size' menu item text.
	IncreaseSize	Identifies the 'Increase Size' menu item text.
	Landscape	Identifies the 'Orientation' button tool-tip.
	LastPage	Identifies the 'Last Page' button tool-tip.
	NextPage	Identifies the 'Next Page' button tool-tip.

	OnePage	Identifies the 'One Page' button tool-tip.
	OriginalSize	Identifies the 'Original Size' menu item text.
	PageRange	Identifies the 'Page Range' button tool-tip.
	Portrait	Identifies the 'Orientation' button tool-tip.
	PrevPage	Identifies the 'Previous Page' button tool-tip.
	Print	Identifies the 'Print' button tool-tip.
	Scale	Identifies the 'Scale' button tool-tip.
	SixPages	Identifies the 'Six Pages' button tool-tip.
	ThreePages	Identifies the 'Three Pages' button tool-tip.
	TwoPages	Identifies the 'Two Pages' button tool-tip.
	Zoom	Identifies the 'Zoom' button tool-tip.
	Zoom10	Identifies the '10%' menu item text.
	Zoom100	Identifies the '100%' menu item text.
	Zoom150	Identifies the '150%' menu item text.
	Zoom200	Identifies the '200%' menu item text.
	Zoom25	Identifies the '25%' menu item text.
	Zoom50	Identifies the '50%' menu item text.
	Zoom500	Identifies the '500%' menu item text.
	Zoom75	Identifies the '75%' menu item text.
	ZoomAuto	Identifies the 'Zoom Auto' menu item text.

Remarks

Members of this enumeration can be used as keys in the PrintOptions.getCustomPreviewTexts dictionary of the PrintOptions class.

See Also

com.mindfusion.scheduling Namespace

PrintOptions Class

Defines a set of properties that allow customization of various print and print-preview aspects.

Syntax

Java

```
public class PrintOptions
```

Inheritance Hierarchy

java.lang.Object
com.mindfusion.scheduling.PrintOptions

See Also

PrintOptions Members
com.mindfusion.scheduling Namespace

PrintOptions Members

Defines a set of properties that allow customization of various print and print-preview aspects.

The following tables list the members exposed by the PrintOptions type.

Public Methods

	Name	Description
	getCustomPreviewTexts	Gets a dictionary with the custom texts to use in the built-in Print Preview form.
	getFillContents	Gets a value indicating whether to print calendar elements with their original fill or to use a white brush for filling.
	getFitToPage	Gets a value indicating whether the print output is scaled to fit in a single page, preserving the aspect ratio of the original view.
	getLandscape	Gets the orientation of the pages.
	getPageMargins	Gets the page margins.
	getResourceHeaderTextsPerPage	Gets a value indicating whether row header texts in a resource view are printed on each page or only once in the middle of the row.
	getScale	Gets the scale of the print output.
	getScaleToPage	Gets a value indicating whether the print output is scaled to fit in a single page, without preserving the aspect ratio of the original view. This property has less priority than FitToPage. If both are set, FitToPage will take precedence.
	setFillContents	Sets a value indicating whether to print calendar elements with their original fill or to use a white brush for filling.
	setFitToPage	Sets a value indicating whether the print output is scaled to fit in a single page, preserving the aspect ratio of the original view.
	setLandscape	Sets the orientation of the pages.
	setPageMargins	Sets the page margins.
	setResourceHeaderTextsPerPage	Sets a value indicating whether row header texts in a resource view are printed on each page or only once in the middle of the row.
	setScale	Sets the scale of the print output.

	setScaleToPage	Sets a value indicating whether the print output is scaled to fit in a single page, without preserving the aspect ratio of the original view. This property has less priority than FitToPage. If both are set, FitToPage will take precedence.

See Also

PrintOptions Class
com.mindfusion.scheduling Namespace

PrintOptions Methods

PrintOptions.getCustomPreviewTexts Method

Gets a dictionary with the custom texts to use in the built-in Print Preview form.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Dictionary<PreviewTextKey, String> getCustomPreviewTexts ()
```

Return Value

A **Dictionary** with mapping between PreviewTextKey values and the custom texts.

See Also

PrintOptions Members
PrintOptions Class
com.mindfusion.scheduling Namespace

PrintOptions.getFillContents Method

Gets a value indicating whether to print calendar elements with their original fill or to use a white brush for filling.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean getFillContents ()
```

Return Value

true, to fill calendar contents with their associated colors when printing; **false**, to fill them with white. The default is **true**.

See Also

PrintOptions Members
PrintOptions Class
com.mindfusion.scheduling Namespace

PrintOptions.getFitToPage Method

Gets a value indicating whether the print output is scaled to fit in a single page, preserving the aspect ratio of the original view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean getFitToPage ()
```

Return Value

true to fit the print output into a single page; otherwise, **false**. The default is **false**.

See Also

PrintOptions Members
PrintOptions Class
com.mindfusion.scheduling Namespace

PrintOptions.getLandscape Method

Gets the orientation of the pages.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean getLandscape ()
```

Return Value

true to set the initial orientation of the print pages to landscape; **false** to set it to portrait. The default is **false**.

See Also

PrintOptions Members
PrintOptions Class
com.mindfusion.scheduling Namespace

PrintOptions.getPageMargins Method

Gets the page margins.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Insets getPageMargins ()
```

Return Value

An **Insets** object specifying the page margins size.

See Also

PrintOptions Members
PrintOptions Class
com.mindfusion.scheduling Namespace

PrintOptions.getResourceHeaderTextsPerPage Method

Gets a value indicating whether row header texts in a resource view are printed on each page or only once in the middle of the row.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public boolean getResourceHeaderTextsPerPage ()
```

Return Value

true to print resource row header texts on each page; **false** to print the text in the middle of the row (on whatever page it might occur). The default is **false**.

See Also

PrintOptions Members
PrintOptions Class
com.mindfusion.scheduling Namespace

PrintOptions.getScale Method

Gets the scale of the print output.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public float getScale ()
```

Return Value

A float value specifying the scale of print output relative to the screen. The default is 1.

See Also

PrintOptions Members
PrintOptions Class
com.mindfusion.scheduling Namespace

PrintOptions.getScaleToPage Method

Gets a value indicating whether the print output is scaled to fit in a single page, without preserving the aspect ratio of the original view. This property has less priority than FitToPage. If both are set, FitToPage will take precedence.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean getScaleToPage ()
```

Return Value

true to fit the print output into a single page, or **false** otherwise. The default is **false**.

See Also

PrintOptions Members
PrintOptions Class
com.mindfusion.scheduling Namespace

PrintOptions.setFillContents Method

Sets a value indicating whether to print calendar elements with their original fill or to use a white brush for filling.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setFillContents (
    boolean value
)
```

Parameters

value
true, to fill calendar contents with their associated colors when printing; **false**, to fill them with white. The default is **true**.

See Also

PrintOptions Members
PrintOptions Class
com.mindfusion.scheduling Namespace

PrintOptions.setFitToPage Method

Sets a value indicating whether the print output is scaled to fit in a single page, preserving the aspect ratio of the original view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setFitToPage (
    boolean value
)
```

Parameters

value
true to fit the print output into a single page; otherwise, **false**. The default is **false**.

See Also

PrintOptions Members
PrintOptions Class
com.mindfusion.scheduling Namespace

PrintOptions.setLandscape Method

Sets the orientation of the pages.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setLandscape (
    boolean value
)
```

Parameters

value
true to set the initial orientation of the print pages to landscape; **false** to set it to portrait. The default is **false**.

See Also

PrintOptions Members
PrintOptions Class
com.mindfusion.scheduling Namespace

PrintOptions.setPageMargins Method

Sets the page margins.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setPageMargins (
    Insets value
)
```

Parameters

value
An **Insets** object specifying the page margins size.

See Also

PrintOptions Members
PrintOptions Class
com.mindfusion.scheduling Namespace

PrintOptions.setResourceHeaderTextsPerPage Method

Sets a value indicating whether row header texts in a resource view are printed on each page or only once in the middle of the row.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setResourceHeaderTextsPerPage (
    boolean value
)
```

Parameters

value
true to print resource row header texts on each page; **false** to print the text in the middle of the row (on whatever page it might occur). The default is **false**.

See Also

PrintOptions Members
PrintOptions Class
com.mindfusion.scheduling Namespace

PrintOptions.setScale Method

Sets the scale of the print output.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setScale (
    float value
)
```

Parameters

value
A float value specifying the scale of print output relative to the screen. The default is 1. The allowed values range from 0.1 to 10.

See Also

PrintOptions Members
PrintOptions Class
com.mindfusion.scheduling Namespace

PrintOptions.setScaleToPage Method

Sets a value indicating whether the print output is scaled to fit in a single page, without preserving the aspect ratio of the original view. This property has less priority than FitToPage. If both are set, FitToPage will take precedence.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setScaleToPage (
    boolean value
)
```

Parameters

value
true to fit the print output into a single page, or **false** otherwise. The default is **false**.

See Also

PrintOptions Members
PrintOptions Class
com.mindfusion.scheduling Namespace

RecurringItemConfirmEvent Class

Contains the arguments passed to handlers of the CalendarListener.recurringItemDeleting event.

Syntax

Java
`public class RecurringItemConfirmEvent extends ItemEvent`

Inheritance Hierarchy

java.lang.Object
  java.util.EventObject
    com.mindfusion.scheduling.model.ItemEvent
      com.mindfusion.scheduling.RecurringItemConfirmEvent

See Also

RecurringItemConfirmEvent Members
com.mindfusion.scheduling Namespace

RecurringItemConfirmEvent Members

Contains the arguments passed to handlers of the CalendarListener.recurringItemDeleting event.

The following tables list the members exposed by the RecurringItemConfirmEvent type.

Public Constructors

	Name	Description
	RecurringItemConfirmEvent	Initializes a new instance of the **RecurringItemConfirmEvent** class.

Public Methods

	Name	Description
	getConfirmAll	Gets a value indicating whether the operation is allowed for all occurrences of a repeating item.
	getConfirmOccurrence	Gets a value indicating whether the operation is allowed for the particular occurrence.
	getItem	Gets the item related to the event. (Inherited from ItemEvent.)
	setConfirmAll	Sets a value indicating whether the operation is allowed for all occurrences of a repeating item.
	setConfirmOccurrence	Sets a value indicating whether the operation is allowed for the particular occurrence.

See Also

RecurringItemConfirmEvent Class
com.mindfusion.scheduling Namespace

RecurringItemConfirmEvent Constructor

Initializes a new instance of the RecurringItemConfirmEvent class.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public RecurringItemConfirmEvent (
    Object source,
    Item item
)
```

Parameters

source
The Calendar that raises this event.

item
The Item instance for which the event is raised.

See Also

RecurringItemConfirmEvent Class
com.mindfusion.scheduling Namespace

RecurringItemConfirmEvent Methods

RecurringItemConfirmEvent.getConfirmAll Method

Gets a value indicating whether the operation is allowed for all occurrences of a repeating item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean getConfirmAll ()
```

Return Value

true to allow the operation for all occurrences of the recurring item.

See Also

RecurringItemConfirmEvent Members
RecurringItemConfirmEvent Class
com.mindfusion.scheduling Namespace

RecurringItemConfirmEvent.getConfirmOccurrence Method

Gets a value indicating whether the operation is allowed for the particular occurrence.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean getConfirmOccurrence ()
```

Return Value

true to allow the operation for the specified item's occurrence; otherwise, **false**.

See Also

RecurringItemConfirmEvent Members
RecurringItemConfirmEvent Class
com.mindfusion.scheduling Namespace

RecurringItemConfirmEvent.setConfirmAll Method

Sets a value indicating whether the operation is allowed for all occurrences of a repeating item.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setConfirmAll (
    boolean value
)
```

Parameters

value
true to allow the operation for all occurrences of the recurring item.

See Also

RecurringItemConfirmEvent Members
RecurringItemConfirmEvent Class
com.mindfusion.scheduling Namespace

RecurringItemConfirmEvent.setConfirmOccurrence Method

Sets a value indicating whether the operation is allowed for the particular occurrence.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setConfirmOccurrence (
    boolean value
)
```

Parameters

value
true to allow the operation for the specified item's occurrence; otherwise, **false**.

See Also

RecurringItemConfirmEvent Members
RecurringItemConfirmEvent Class
com.mindfusion.scheduling Namespace

ResourceDateEvent Class

Contains the arguments passed to handlers of mouse events related to date/time and resource related cells in the calendar.

Syntax

```
Java
public class ResourceDateEvent extends DateEvent
```

Inheritance Hierarchy

java.lang.Object
  java.util.EventObject
    com.mindfusion.scheduling.DateEvent
      com.mindfusion.scheduling.ResourceDateEvent

See Also

ResourceDateEvent Members
com.mindfusion.scheduling Namespace

ResourceDateEvent Members

Contains the arguments passed to handlers of mouse events related to date/time and resource related cells in the calendar.

The following tables list the members exposed by the ResourceDateEvent type.

Public Constructors

	Name	Description
	ResourceDateEvent	Initializes a new instance of the **ResourceDateEvent** class.

Public Methods

	Name	Description
	getBounds	Gets the bounding rectangle of the clicked date cell. (Inherited from DateEvent.)
	getButton	Gets the pressed mouse button. (Inherited from DateEvent.)
	getClicks	Gets the number of clicks. (Inherited from DateEvent.)
	getDate	Gets the date and time associated with the event. (Inherited from DateEvent.)
	getIndex	Gets the index (if any) of the calendar cell related to the event or -1 otherwise. (Inherited from DateEvent.)
	getResource	Gets the resource associated with the clicked cell.
	getResourcePath	Gets the resources associated with the clicked cell.

See Also

ResourceDateEvent Class
com.mindfusion.scheduling Namespace

ResourceDateEvent Constructor

Initializes a new instance of the ResourceDateEvent class.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public ResourceDateEvent (
    Object source,
    Resource[] resources,
    DateTime date,
    int index,
    int button,
    int clicks,
    Rectangle bounds
)
```

Parameters

source
The Calendar that raises this event.

resources
The resources associated with the clicked cell.

date
The date and time associated with this event.

index
Index of the calendar cell related to this event.

button
The pressed mouse button.

clicks

The number of clicks.

bounds
Bounding rectangle of the clicked date cell.

See Also

ResourceDateEvent Class
com.mindfusion.scheduling Namespace

ResourceDateEvent Methods

ResourceDateEvent.getResource Method

Gets the resource associated with the clicked cell.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Resource getResource ()
```

Return Value

A reference to a Resource, Contact, Location or Task object or **null**.

See Also

ResourceDateEvent Members
ResourceDateEvent Class
com.mindfusion.scheduling Namespace

ResourceDateEvent.getResourcePath Method

Gets the resources associated with the clicked cell.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Resource[] getResourcePath ()
```

Return Value

A list with all related resources.

See Also

ResourceDateEvent Members
ResourceDateEvent Class

com.mindfusion.scheduling Namespace

ResourceLengthMethod Enumeration

Specifies how to calculate the length of the resources in a CalendarView.ResourceView view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java
`public enum ResourceLengthMethod`

Members

	Member name	Description
	Exact	The length of the resources depends on the time span they occupy.
	MinimumAuto	The length of the resources is at least big enough to fit their contents.
	MinimumFixed	The length of the resources is not less than a specified predefined value.

See Also

com.mindfusion.scheduling Namespace

ResourceResizeMethod Enumeration

Specifies the item resizing method in a CalendarView.ResourceView view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java
`public enum ResourceResizeMethod`

Members

	Member name	Description
	DurationBounds	The items are resized by pointing near the ends of the bounding rectangle of the bands showing their duration.
	ItemBounds	The items are resized by pointing near the ends of their bounding rectangle.

See Also

com.mindfusion.scheduling Namespace

ResourceViewSettings Class

Defines properties that allow customizing the visualization of the calendar in CalendarView.ResourceView view.

Syntax

Java
`public class ResourceViewSettings extends ViewSettings`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.ViewSettings
    com.mindfusion.scheduling.ResourceViewSettings

See Also

ResourceViewSettings Members
com.mindfusion.scheduling Namespace

ResourceViewSettings Members

Defines properties that allow customizing the visualization of the calendar in CalendarView.ResourceView view.

The following tables list the members exposed by the ResourceViewSettings type.

Public Methods

	Name	Description
	addChangeListener	Adds a ChangeListener to the view settings. (Inherited from ViewSettings.)
	getAllowReorderResources	Gets a value indicating whether users are allowed to reorder resource rows via drag and drop.
	getAllowResizeRowHeaders	Gets a value indicating whether the users can resize the row headers when getGroupRowHeader is enabled.
	getBottomTimelineSettings	Gets the settings for the bottom timeline.
	getCellOffset	Gets the time offset of the first cell from the origin of the resource view.
	getEnableCollisions	Gets a value indicating whether the item collision processing is enabled.
	getEnableRowTitleFormat	Gets a value indicating whether the getRowTitleFormat property will be taken into consideration.

	getExpandableRows	Gets a value indicating whether the rows in the resource view can be expanded/collapsed.
	getExpandActiveItemOn	Gets whether the active item should ignore collisions.
	getGridStyle	Gets the style of the grid lines.
	getGroupRowHeader	Gets a value indicating whether the rows display the header as a group header.
	getHeaderShadowColor	Gets the color of the shadow cast by headers.
	getHeaderShadowOffset	Gets the offset of the shadows from the headers that cast them.
	getHeaderShadowStyle	Gets the style of the shadows cast by headers.
	getHeaderSpacing	Gets the amount of space between headers.
	getHiddenDays	Gets the days of the week that should not be displayed in a resource view.
	getInnerGridStyle	Gets the style of the internal grid lines.
	getLaneSize	Gets the size of a single lane.
	getMiddleTimelineSettings	Gets the settings for the middle timeline.
	getMinItemSize	Gets the smallest size allowed for resource items.
	getMinResourceLength	Gets the minimum length for resources when setResourceLengthMethod is set to ResourceLengthMethod.MinimumFixed.
	getMinRowSize	Gets the smallest size allowed for resource rows.
	getReorderIndicatorColor	Gets the color of reorder indicator line.
	getReorderIndicatorWidth	Gets the width of reorder indicator line.
	getResourceLengthMethod	Gets the method used to calculate the length of the resources.
	getResourceResizeMethod	Gets the method to be used when resizing resources in the view.
	getRowHeaderSize	Gets the size of the row header.
	getRowTitleFormat	Gets the string used to format and display resource titles in row headers.
	getScrollStep	Gets the time modification interval when the user scrolls the view.
	getShowPaddingDates	Gets a value indicating whether to display padding dates.
	getShowResourceDuration	Gets a value indicating whether to display the duration of individual resources.
	getShowSubTicks	Gets a value indicating whether the view displays sub ticks in the bottom timeline.
	getSnapUnit	Gets the snap unit.
	getSnapUnitCount	Gets the snap unit count.

	getStyle	Gets the appearance style used to paint calendar elements that don't have a distinct style assigned to them.
	getSubTickSize	Gets the size of the sub ticks displayed in the bottom timeline.
	getTimelines	Gets the number of timelines displayed in the view.
	getTimelineScale	Gets the scale factor of the timeline.
	getTopTimelineSettings	Gets the settings for the top timeline.
	getViewStyle	Gets the style of the view.
	getVisibleEndTime	Gets the last visible time of displayed days.
	getVisibleRows	Gets the number of rows visible in the view.
	getVisibleStartTime	Gets the first visible time of displayed days.
	getWeekendStyle	Gets the style of the weekend cells.
	removeChangeListener	Removes the specified **ChangeListener** from the view settings. (Inherited from ViewSettings.)
	setAllowReorderResources	Sets a value indicating whether users are allowed to reorder resource rows via drag and drop.
	setAllowResizeRowHeaders	Sets a value indicating whether the users can resize the row headers when **getGroupRowHeader** is enabled.
	setCellOffset	Sets the time offset of the first cell from the origin of the resource view.
	setEnableCollisions	Gets a value indicating whether the item collision processing is enabled.
	setEnableRowTitleFormat	Sets a value indicating whether the **getRowTitleFormat** property will be taken into consideration.
	setExpandableRows	Sets a value indicating whether the rows in the resource view can be expanded/collapsed.
	setExpandActiveItemOn	Sets whether the active item should ignore collisions.
	setGridStyle	Sets the style of the grid lines.
	setGroupRowHeader	Sets a value indicating whether the rows display the header as a group header.
	setHeaderShadowColor	Sets the color of the shadow cast by headers.
	setHeaderShadowOffset	Sets the offset of the shadows from the headers that cast them.
	setHeaderShadowStyle	Sets the style of the shadows cast by headers.
	setHeaderSpacing	Sets the amount of space between headers.
	setHiddenDays	Sets the days of the week that should not be displayed in a resource view.
	setInnerGridStyle	Sets the style of the internal grid lines.
	setLaneSize	Sets the size of a single lane.

	setMinItemSize	Sets the smallest size allowed for resource items.
	setMinResourceLength	Sets the minimum length for resources when **setResourceLengthMethod** is set to **ResourceLengthMethod.MinimumFixed**.
	setMinRowSize	Sets the smallest size allowed for resource rows.
	setReorderIndicatorColor	Sets the color of reorder indicator line.
	setReorderIndicatorWidth	Sets the width of reorder indicator line.
	setResourceLengthMethod	Sets the method used to calculate the length of the resources.
	setResourceResizeMethod	Sets the method to be used when resizing resources in the view.
	setRowHeaderSize	Sets the size of the row header.
	setRowTitleFormat	Sets the string used to format and display resource titles in row headers.
	setScrollStep	Sets the time modification interval when the user scrolls the view.
	setShowPaddingDates	Sets a value indicating whether to display padding dates.
	setShowResourceDuration	Sets a value indicating whether to display the duration of individual resources.
	setShowSubTicks	Sets a value indicating whether the view displays sub ticks in the bottom timeline.
	setSnapUnit	Sets the snap unit.
	setSnapUnitCount	Sets the snap unit count.
	setStyle	Sets the appearance style used to paint calendar elements that don't have a distinct style assigned to them.
	setSubTickSize	Sets the size of the sub ticks displayed in the bottom timeline.
	setTimelines	Sets the number of timelines displayed in the view.
	setTimelineScale	Sets the scale factor of the timeline.
	setViewStyle	Sets the style of the view.
	setVisibleEndTime	Sets the last visible time of displayed days.
	setVisibleRows	Sets the number of rows visible in the view.
	setVisibleStartTime	Sets the first visible time of displayed days.
	setWeekendStyle	Sets the style of the weekend cells.

See Also

ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings Methods

ResourceViewSettings.getAllowReorderResources Method

Gets a value indicating whether users are allowed to reorder resource rows via drag and drop.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Boolean getAllowReorderResources ()
```

Return Value

A Boolean value.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.getAllowResizeRowHeaders Method

Gets a value indicating whether the users can resize the row headers when getGroupRowHeader is enabled.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Boolean getAllowResizeRowHeaders ()
```

Return Value

A **Boolean** value.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.getBottomTimelineSettings Method

Gets the settings for the bottom timeline.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public TimelineSettings getBottomTimelineSettings ()
```

Return Value

An instance of the TimelineSettings class that defines the preferences for the bottom timeline.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.getCellOffset Method

Gets the time offset of the first cell from the origin of the resource view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public float getCellOffset ()
```

Return Value

A floating point value, specifying the offset in the units set in the TimelineSettings.setUnit property of the getBottomTimelineSettings.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.getEnableCollisions Method

Gets a value indicating whether the item collision processing is enabled.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Boolean getEnableCollisions ()
```

Return Value

A Boolean value.

Remarks

Turn this flag off if you don't need collision detection to improve performance.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.getEnableRowTitleFormat Method

Gets a value indicating whether the getRowTitleFormat property will be taken into consideration.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Boolean getEnableRowTitleFormat ()
```

Return Value

A **Boolean** value.

Remarks

If this property is disabled the title of each row is determined by to the type of resources the view is currently grouped by. If the view is grouped by contacts, the title displays the Contact.getFirstName, Contact.getMiddleName and Contact.getLastName of the contact according to the pattern specified by Calendar.getContactNameFormat. If the view is grouped by locations or resources, the title displays the Resource.getName of the resource. If the view is grouped by tasks, the title displays the Task.getSubject of the task.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.getExpandableRows Method

Gets a value indicating whether the rows in the resource view can be expanded/collapsed.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Boolean getExpandableRows ()
```

Return Value

A **Boolean** value.

Remarks

This property is only used if setViewStyle is set to **ResourceViewStyle.Lanes**.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.getExpandActiveItemOn Method

Gets whether the active item should ignore collisions.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public ItemAction getExpandActiveItemOn ()
```

Return Value

One of the ItemAction constants.

Remarks

This only works if setViewStyle is set to **ResourceViewStyle.General**.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.getGridStyle Method

Gets the style of the grid lines.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public LineStyle getGridStyle ()
```

Return Value

One of the LineStyle constants.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.getGroupRowHeader Method

Gets a value indicating whether the rows display the header as a group header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Boolean getGroupRowHeader ()
```

Return Value

A **Boolean** value. **true** to activate this feature or **false** to turn it off.

Remarks

This property is only used if setViewStyle is set to **ResourceViewStyle.Lanes**.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.getHeaderShadowColor Method

Gets the color of the shadow cast by headers.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Color getHeaderShadowColor ()
```

Return Value

A Color object specifying the color of headers' shadows.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.getHeaderShadowOffset Method

Gets the offset of the shadows from the headers that cast them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Integer getHeaderShadowOffset ()
```

Return Value

An integer value specifying with how many pixels to offset a header's shadow from the header. The allowed values range from 1 to 5.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.getHeaderShadowStyle Method

Gets the style of the shadows cast by headers.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public ShadowStyle getHeaderShadowStyle ()
```

Return Value

One of the ShadowStyle constants.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.getHeaderSpacing Method

Gets the amount of space between headers.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Integer getHeaderSpacing ()
```

Return Value

An integer value specifying how many pixels there are between adjacent headers. The minimal allowed value is -1.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.getHiddenDays Method

Gets the days of the week that should not be displayed in a resource view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public EnumSet<DayOfWeek> getHiddenDays ()
```

Return Value

One of the DaysOfWeek constants indicating the visible days in a CalendarView.ResourceView.

Remarks

This property determines which days should be filtered (that is, not displayed) in a resource view. This setting only works if the TimelineSettings.getUnit of the bottom timeline is set to TimeUnit.Day or **TimeUnit.Hour**.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.getInnerGridStyle Method

Gets the style of the internal grid lines.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public LineStyle getInnerGridStyle ()
```

Return Value

One of the LineStyle constants.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.getLaneSize Method

Gets the size of a single lane.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getLaneSize ()
```

Return Value

An integer value specifying the size in pixels of a resource lane. The minimal allowed value is 10.

Remarks

This property is only used when setViewStyle is set to **ResourceViewStyle.Lanes**.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.getMiddleTimelineSettings Method

Gets the settings for the middle timeline.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public TimelineSettings getMiddleTimelineSettings ()
```

Return Value

An instance of the TimelineSettings class that defines the preferences for the bottom timeline.

See Also

ResourceViewSettings Members
ResourceViewSettings Class

ResourceViewSettings.getMinItemSize Method

Gets the smallest size allowed for resource items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getMinItemSize ()
```

Return Value

An integer value, specifying the minimal item size in pixels. The minimal allowed value is 5.

Remarks

If there is not enough space in a row to display all related items, the items that do not fit remain invisible. This property is only used when setViewStyle is set to **ResourceViewStyle.General**.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.getMinResourceLength Method

Gets the minimum length for resources when setResourceLengthMethod is set to ResourceLengthMethod.MinimumFixed.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getMinResourceLength ()
```

Return Value

An integer value, specifying the minimal resource length in pixels. The minimal allowed value is 5.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.getMinRowSize Method

Gets the smallest size allowed for resource rows.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getMinRowSize ()
```

Return Value

An integer value, specifying the minimal row size in pixels. The minimal allowed value is 10.

Remarks

This property is only used when setViewStyle is set to **ResourceViewStyle.General**.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.getReorderIndicatorColor Method

Gets the color of reorder indicator line.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Color getReorderIndicatorColor ()
```

Return Value

A Color object specifying the color of reorder indicator.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.getReorderIndicatorWidth Method

Gets the width of reorder indicator line.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getReorderIndicatorWidth ()
```

Return Value

An Integer object specifying the width of reorder indicator.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.getResourceLengthMethod Method

Gets the method used to calculate the length of the resources.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public ResourceLengthMethod getResourceLengthMethod ()
```

Return Value

One of the ResourceLengthMethod constants.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.getResourceResizeMethod Method

Gets the method to be used when resizing resources in the view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public ResourceResizeMethod getResourceResizeMethod ()
```

Return Value

One of the ResourceResizeMethod constants.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.getRowHeaderSize Method

Gets the size of the row header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Integer getRowHeaderSize ()
```

Return Value

An integer value specifying the size in pixels of the row headers.

Remarks

The size of a header is used only when getGroupRowHeader is enabled. Otherwise, the size of the header equals getLaneSize.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.getRowTitleFormat Method

Gets the string used to format and display resource titles in row headers.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public String getRowTitleFormat ()
```

Return Value

A string specifying the display format.

Remarks

The **getRowTitleFormat** represents raw text containing property references enclosed in curly brackets. The following is an example of a formatting string containing a single reference to a property called Name:

This is {Name}.

The value of the referenced property is obtained from the resource object associated with the row whose title is being formatted with this string.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.getScrollStep Method

Gets the time modification interval when the user scrolls the view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Duration getScrollStep ()
```

Return Value

A Duration object that defines the scroll interval. The minimal allowed value is 1 second.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.getShowPaddingDates Method

Gets a value indicating whether to display padding dates.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Boolean getShowPaddingDates ()
```

Return Value

A **Boolean** value.

Remarks

It is sometimes possible that the control draws dates outside of the range specified by the **Calendar.getDate** and **Calendar.getEndDate** properties. This usually happens when the viewport is larger than the entire time range. Set this property to **false** if you don't want the control to draw external dates.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.getShowResourceDuration Method

Gets a value indicating whether to display the duration of individual resources.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Boolean getShowResourceDuration ()
```

Return Value

A **Boolean** value.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.getShowSubTicks Method

Gets a value indicating whether the view displays sub ticks in the bottom timeline.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Boolean getShowSubTicks ()
```

Return Value

A **Boolean** value.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.getSnapUnit Method

Gets the snap unit.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public TimeUnit getSnapUnit ()
```

Return Value

One of the TimeUnit constants.

Remarks

Specifies the time unit of the nearest value to align to when an item is being modified interactively. For example specifying TimeUnit.Day causes the manipulated item to always be aligned to the nearest day. To practically disable snapping, specify **TimeUnit.Second** for this property.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.getSnapUnitCount Method

Gets the snap unit count.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getSnapUnitCount ()
```

Return Value

A positive integer value specifying the number of units from the associated SnapUnit to snap to.

Remarks

When **getSnapUnitCount** is 1 the snapping is absolute. When **getSnapUnitCount** is greater than 1, then the snapping is relative to the element being dragged. For example, if the item is moved or its start is being resized, the snapping is relative to the item's start. If the item's end is being resized, the snapping is relative to the item's end. For example, if the item starts at 02/16, the unit count is 3 and the unit is TimeUnit.Day, an attempt to resize the item's start on the left would cause snapping at 02/13 (which is the item's start time minus 3 days).

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.getStyle Method

Gets the appearance style used to paint calendar elements that don't have a distinct style assigned to them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Style getStyle ()
```

Return Value

A Style object specifying the style of calendar UI elements. This property cannot be **null**.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.getSubTickSize Method

Gets the size of the sub ticks displayed in the bottom timeline.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getSubTickSize ()
```

Return Value

A non-negative integer value.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.getTimelines Method

Gets the number of timelines displayed in the view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
```

```
public Integer getTimelines ()
```

Return Value

An integer value specifying the number of timelines visible in the view. The allowed values range from 1 to 3.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.getTimelineScale Method

Gets the scale factor of the timeline.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Integer getTimelineScale ()
```

Return Value

An integer value specifying the scale of the timeline expressed in percents. The allowed values range from 10 to 1000.

Remarks

Usually the size of the cells in the CalendarView.ResourceView is calculated to be large enough so that the texts in the timeline can fit without clipping. By using values other than 100 for this property, you can scale up or down the precalculated size of the cells.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.getTopTimelineSettings Method

Gets the settings for the top timeline.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public TimelineSettings getTopTimelineSettings ()
```

Return Value

An instance of the TimelineSettings class that defines the preferences for the bottom timeline.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.getViewStyle Method

Gets the style of the view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public ResourceViewStyle getViewStyle ()
```

Return Value

One of the ResourceViewStyle constants.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.getVisibleEndTime Method

Gets the last visible time of displayed days.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Duration getVisibleEndTime ()
```

Return Value

A Duration value indicating the last visible hour of the day in a CalendarView.ResourceView.

Remarks

This property along with the **getVisibleEndTime** property determine the range of hours displayed in a resource view for each day. The rest of the day is filtered (that is, the hours outside this range are not displayed). Despite being a Duration, only the Duration.getHours component is taken into consideration when filtering. Furthermore, this setting only works if the TimelineSettings.getUnit property of the

bottom timeline is set to TimeUnit.Hour and the TimelineSettings.getUnitCount is set to 1 or if the **TimelineSettings.getUnit** is set to **TimeUnit.Minute**.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.getVisibleRows Method

Gets the number of rows visible in the view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getVisibleRows ()
```

Return Value

An integer value specifying the number of rows visible at a time. The minimal allowed value is 1.

Remarks

This property is only used when setViewStyle is set to **ResourceViewStyle.General**.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.getVisibleStartTime Method

Gets the first visible time of displayed days.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Duration getVisibleStartTime ()
```

Return Value

A Duration value indicating the first visible hour of the day in a CalendarView.ResourceView.

Remarks

This property along with the getVisibleEndTime property determine the range of hours displayed in a resource view for each day. The rest of the day is filtered (that is, the hours outside this range are not displayed). Despite being a Duration, only the Duration.getHours component is taken into consideration when filtering. Furthermore, this setting only works if the TimelineSettings.getUnit property of the bottom timeline is set to TimeUnit.Hour and the TimelineSettings.getUnitCount is set to 1 or if the **TimelineSettings.getUnit** is set to **TimeUnit.Minute**.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.getWeekendStyle Method

Gets the style of the weekend cells.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Style getWeekendStyle ()
```

Return Value

A Style object specifying the appearance of weekend cells. This property cannot be **null**.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.setAllowReorderResources Method

Sets a value indicating whether users are allowed to reorder resource rows via drag and drop.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setAllowReorderResources (
    Boolean value
)
```

Parameters

value
A Boolean value. Set to null to use the corresponding value from the current theme.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.setAllowResizeRowHeaders Method

Sets a value indicating whether the users can resize the row headers when getGroupRowHeader is enabled.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setAllowResizeRowHeaders (
    Boolean value
)
```

Parameters

value
A **Boolean** value. Set to **null** to use the corresponding value from the current theme.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.setCellOffset Method

Sets the time offset of the first cell from the origin of the resource view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setCellOffset (
    float value
)
```

Parameters

value
A floating point value, specifying the offset in the units set in the TimelineSettings.setUnit property of the getBottomTimelineSettings.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.setEnableCollisions Method

Gets a value indicating whether the item collision processing is enabled.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setEnableCollisions (
    Boolean value
)
```

Parameters

value
A Boolean value.

Remarks

Turn this flag off if you don't need collision detection to improve performance.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.setEnableRowTitleFormat Method

Sets a value indicating whether the getRowTitleFormat property will be taken into consideration.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setEnableRowTitleFormat (
    Boolean value
)
```

Parameters

value
A **Boolean** value. Set to **null** to use the corresponding value from the current theme.

Remarks

If this property is disabled the title of each row is determined by to the type of resources the view is currently grouped by. If the view is grouped by contacts, the title displays the Contact.getFirstName, Contact.getMiddleName and Contact.getLastName of the contact according to the pattern specified by Calendar.getContactNameFormat. If the view is grouped by locations or resources, the title displays the Resource.getName of the resource. If the view is grouped by tasks, the title displays the Task.getSubject of the task.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.setExpandableRows Method

Sets a value indicating whether the rows in the resource view can be expanded/collapsed.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setExpandableRows (
    Boolean value
)
```

Parameters

value
A **Boolean** value. Set to **null** to use the corresponding value from the current theme.

Remarks

This property is only used if setViewStyle is set to **ResourceViewStyle.Lanes**.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.setExpandActiveItemOn Method

Sets whether the active item should ignore collisions.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setExpandActiveItemOn (
    ItemAction value
)
```

Parameters

value
One of the ItemAction constants. Set to **null** to use the corresponding value from the current theme.

Remarks

This only works if setViewStyle is set to ResourceViewStyle.General.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.setGridStyle Method

Sets the style of the grid lines.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setGridStyle (
    LineStyle value
)
```

Parameters

value
One of the LineStyle constants. Set to **null** to use the corresponding value from the current theme.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.setGroupRowHeader Method

Sets a value indicating whether the rows display the header as a group header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setGroupRowHeader (
    Boolean value
)
```

Parameters

value
A **Boolean** value. true to activate this feature or false to turn it off. Set to **null** to use the corresponding value from the current theme.

Remarks

This property is only used if setViewStyle is set to ResourceViewStyle.Lanes.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.setHeaderShadowColor Method

Sets the color of the shadow cast by headers.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setHeaderShadowColor (
    Color value
)
```

Parameters

value
A **Color** object specifying the color of headers' shadows. Set to **null** to use the corresponding value from the current theme.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.setHeaderShadowOffset Method

Sets the offset of the shadows from the headers that cast them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setHeaderShadowOffset (
    Integer value
)
```

Parameters

value
An integer value specifying with how many pixels to offset a header's shadow from the header. The allowed values range from 1 to 5. Set to **null** to use the corresponding value from the current theme.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.setHeaderShadowStyle Method

Sets the style of the shadows cast by headers.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setHeaderShadowStyle (
    ShadowStyle value
)
```

Parameters

value
One of the ShadowStyle constants. Set to null to use the corresponding value from the current theme.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.setHeaderSpacing Method

Sets the amount of space between headers.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setHeaderSpacing (
    Integer value
)
```

Parameters

value
An integer value specifying how many pixels there are between adjacent headers. The minimal allowed value is -1. Set to **null** to use the corresponding value from the current theme.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.setHiddenDays Method

Sets the days of the week that should not be displayed in a resource view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setHiddenDays (
    EnumSet<DayOfWeek> value
)
```

Parameters

value
One of the DaysOfWeek constants indicating the visible days in a CalendarView.ResourceView.

Remarks

This property determines which days should be filtered (that is, not displayed) in a resource view. This setting only works if the TimelineSettings.getUnit of the bottom timeline is set to TimeUnit.Day or **TimeUnit.Hour**.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.setInnerGridStyle Method

Sets the style of the internal grid lines.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setInnerGridStyle (
    LineStyle value
)
```

Parameters

value
One of the LineStyle constants. Set to **null** to use the corresponding value from the current theme.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.setLaneSize Method

Sets the size of a single lane.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setLaneSize (
    Integer value
)
```

Parameters

value
An integer value specifying the size in pixels of a resource lane. The minimal allowed value is 10. Set to **null** to use the corresponding value from the current theme.

Remarks

This property is only used when setViewStyle is set to **ResourceViewStyle.Lanes**.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.setMinItemSize Method

Sets the smallest size allowed for resource items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setMinItemSize (
    Integer value
)
```

Parameters

value
An integer value, specifying the minimal item size in pixels. The minimal allowed value is 5. Set to **null** to use the corresponding value from the current theme.

Remarks

If there is not enough space in a row to display all related items, the items that do not fit remain invisible. This property is only used when setViewStyle is set to **ResourceViewStyle.General**.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.setMinResourceLength Method

Sets the minimum length for resources when setResourceLengthMethod is set to ResourceLengthMethod.MinimumFixed.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setMinResourceLength (
    Integer value
)
```

Parameters

value
An integer value, specifying the minimal resource length in pixels. The minimal allowed value is 5. Set to **null** to use the corresponding value from the current theme.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.setMinRowSize Method

Sets the smallest size allowed for resource rows.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setMinRowSize (
    Integer value
)
```

Parameters

value
An integer value, specifying the minimal row size in pixels. The minimal allowed value is 10. Set to **null** to use the corresponding value from the current theme.

Remarks

This property is only used when setViewStyle is set to **ResourceViewStyle.General**.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.setReorderIndicatorColor Method

Sets the color of reorder indicator line.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setReorderIndicatorColor (
    Color value
)
```

Parameters

value
A Color object specifying the color of reorder indicator.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.setReorderIndicatorWidth Method

Sets the width of reorder indicator line.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setReorderIndicatorWidth (
    Integer value
)
```

Parameters

value
An Integer object specifying the width of reorder indicator.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.setResourceLengthMethod Method

Sets the method used to calculate the length of the resources.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setResourceLengthMethod (
    ResourceLengthMethod value
)
```

Parameters

value
One of the ResourceLengthMethod constants. Set to **null** to use the corresponding value from the current theme.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.setResourceResizeMethod Method

Sets the method to be used when resizing resources in the view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setResourceResizeMethod (
    ResourceResizeMethod value
)
```

Parameters

value
One of the ResourceResizeMethod constants. Set to null to use the corresponding value from the current theme.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.setRowHeaderSize Method

Sets the size of the row header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setRowHeaderSize (
    Integer value
)
```

Parameters

value
An integer value specifying the size in pixels of the row headers. Set to **null** to use the corresponding value from the current theme.

Remarks

The size of a header is used only when getGroupRowHeader is enabled. Otherwise, the size of the header equals getLaneSize.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.setRowTitleFormat Method

Sets the string used to format and display resource titles in row headers.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setRowTitleFormat (
    String value
)
```

Parameters

value
A string specifying the display format. Set to **null** to use the corresponding value from the current theme.

Remarks

The getRowTitleFormat represents raw text containing property references enclosed in curly brackets. The following is an example of a formatting string containing a single reference to a property called Name:

This is {Name}.

The value of the referenced property is obtained from the resource object associated with the row whose title is being formatted with this string.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.setScrollStep Method

Sets the time modification interval when the user scrolls the view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setScrollStep (
    Duration value
)
```

Parameters

value
A Duration object that defines the scroll interval. The minimal allowed value is 1 second. Set to **null** to use the corresponding value from the current theme.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.setShowPaddingDates Method

Sets a value indicating whether to display padding dates.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setShowPaddingDates (
    Boolean value
)
```

Parameters

value
A **Boolean** value. Set to **null** to use the corresponding value from the current theme.

Remarks

It is sometimes possible that the control draws dates outside of the range specified by the Calendar.getDate and Calendar.getEndDate properties. This usually happens when the viewport is larger than the entire time range. Set this property to false if you don't want the control to draw external dates.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.setShowResourceDuration Method

Sets a value indicating whether to display the duration of individual resources.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setShowResourceDuration (
    Boolean value
)
```

Parameters

value
A **Boolean** value. Set to **null** to use the corresponding value from the current theme.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.setShowSubTicks Method

Sets a value indicating whether the view displays sub ticks in the bottom timeline.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setShowSubTicks (
    Boolean value
)
```

Parameters

value
A **Boolean** value. Set to **null** to use the corresponding value from the current theme.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.setSnapUnit Method

Sets the snap unit.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setSnapUnit (
    TimeUnit value
)
```

Parameters

value
One of the TimeUnit constants. Set to null to use the corresponding value from the current theme.

Remarks

Specifies the time unit of the nearest value to align to when an item is being modified interactively. For example specifying TimeUnit.Day causes the manipulated item to always be aligned to the nearest day. To practically disable snapping, specify **TimeUnit.Second** for this property.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.setSnapUnitCount Method

Sets the snap unit count.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setSnapUnitCount (
    Integer value
)
```

Parameters

value
A positive integer value specifying the number of units from the associated SnapUnit to snap to. Set to **null** to use the corresponding value from the current theme.

Remarks

When getSnapUnitCount is 1 the snapping is absolute. When **getSnapUnitCount** is greater than 1, then the snapping is relative to the element being dragged. For example, if the item is moved or its start is being resized, the snapping is relative to the item's start. If the item's end is being resized, the snapping is relative to the item's end. For example, if the item starts at 02/16, the unit count is 3 and the unit is TimeUnit.Day, an attempt to resize the item's start on the left would cause snapping at 02/13 (which is the item's start time minus 3 days).

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.setStyle Method

Sets the appearance style used to paint calendar elements that don't have a distinct style assigned to them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setStyle (
    Style value
)
```

Parameters

value
A Style object specifying the style of calendar UI elements. This property cannot be **null**.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.setSubTickSize Method

Sets the size of the sub ticks displayed in the bottom timeline.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setSubTickSize (
    Integer value
)
```

Parameters

value
A non-negative integer value. Set to **null** to use the corresponding value from the current theme.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.setTimelines Method

Sets the number of timelines displayed in the view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setTimelines (
    Integer value
)
```

Parameters

value
An integer value specifying the number of timelines visible in the view. The allowed values range from 1 to 3. Set to **null** to use the corresponding value from the current theme.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.setTimelineScale Method

Sets the scale factor of the timeline.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setTimelineScale (
    Integer value
)
```

Parameters

value
An integer value specifying the scale of the timeline expressed in percents. The allowed values range from 10 to 1000. Set to **null** to use the corresponding value from the current theme.

Remarks

Usually the size of the cells in the CalendarView.ResourceView is calculated to be large enough so that the texts in the timeline can fit without clipping. By using values other than 100 for this property, you can scale up or down the precalculated size of the cells.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.setViewStyle Method

Sets the style of the view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setViewStyle (
    ResourceViewStyle value
)
```

Parameters

value
One of the ResourceViewStyle constants. Set to null to use the corresponding value from the current theme.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.setVisibleEndTime Method

Sets the last visible time of displayed days.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setVisibleEndTime (
    Duration value
)
```

Parameters

value

A Duration value indicating the last visible hour of the day in a CalendarView.ResourceView.

Remarks

This property along with the getVisibleEndTime property determine the range of hours displayed in a resource view for each day. The rest of the day is filtered (that is, the hours outside this range are not displayed). Despite being a Duration, only the Duration.getHours component is taken into consideration when filtering. Furthermore, this setting only works if the TimelineSettings.getUnit property of the bottom timeline is set to TimeUnit.Hour and the TimelineSettings.getUnitCount is set to 1 or if the **TimelineSettings.getUnit** is set to **TimeUnit.Minute**.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.setVisibleRows Method

Sets the number of rows visible in the view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setVisibleRows (
    Integer value
)
```

Parameters

value
An integer value specifying the number of rows visible at a time. The minimal allowed value is 1. Set to **null** to use the corresponding value from the current theme.

Remarks

This property is only used when setViewStyle is set to **ResourceViewStyle.General**.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.setVisibleStartTime Method

Sets the first visible time of displayed days.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setVisibleStartTime (
    Duration value
)
```

Parameters

value
A Duration value indicating the first visible hour of the day in a CalendarView.ResourceView.

Remarks

This property along with the getVisibleEndTime property determine the range of hours displayed in a resource view for each day. The rest of the day is filtered (that is, the hours outside this range are not displayed). Despite being a Duration, only the Duration.getHours component is taken into consideration when filtering. Furthermore, this setting only works if the TimelineSettings.getUnit property of the bottom timeline is set to TimeUnit.Hour and the TimelineSettings.getUnitCount is set to 1 or if the **TimelineSettings.getUnit** is set to **TimeUnit.Minute**.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewSettings.setWeekendStyle Method

Sets the style of the weekend cells.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setWeekendStyle (
    Style value
)
```

Parameters

value
A Style object specifying the appearance of weekend cells. This property cannot be **null**.

See Also

ResourceViewSettings Members
ResourceViewSettings Class
com.mindfusion.scheduling Namespace

ResourceViewStyle Enumeration

Specifies the style of a CalendarView.ResourceView view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java
`public enum ResourceViewStyle`

Members

	Member name	Description
	General	Each row in a CalendarView.ResourceView view has a fixed width. The items within the row are positioned similarly to the items in a **CalendarView.Timetable** view.
	Lanes	Each row in a **CalendarView.ResourceView** view displays one or more lanes where items are positioned. More lanes are added automatically to respect the requirement that all overlapping items are on separate lanes.

See Also

com.mindfusion.scheduling Namespace

SchedulingItemList Class

A strongly-typed list of Item objects.

Syntax

Java
`public class SchedulingItemList extends BaseList<E> implements Cloneable`

Inheritance Hierarchy

java.lang.Object
  java.util.AbstractCollection(E)
    java.util.AbstractList(E)
      com.mindfusion.common.BaseList(E)
        com.mindfusion.scheduling.SchedulingItemList

See Also

SchedulingItemList Members
com.mindfusion.scheduling Namespace

SchedulingItemList Members

A strongly-typed list of Item objects.

The following tables list the members exposed by the SchedulingItemList type.

Public Constructors

	Name	Description
	SchedulingItemList	Overloaded.

Public Methods

	Name	Description
	add	Overloaded. (Inherited from BaseList.)
	addBaseListListener	Adds a BaseListListener to the list. (Inherited from BaseList.)
	clear	Removes all elements from the list. (Inherited from BaseList.)
	clone	
	first	Gets the first element of this list. (Inherited from BaseList.)
	get	Returns the element at the specified position in the list. (Inherited from BaseList.)
	last	Gets the last element of this list. (Inherited from BaseList.)
	readExternal	(Inherited from BaseList.)
	remove	Overloaded. (Inherited from BaseList.)
	removeBaseListListener	Removes the specified **BaseListListener** from the list. (Inherited from BaseList.)
	set	Replaces the element at the specified position in this list with the specified element. (Inherited from BaseList.)
	size	Returns the number of elements in the list. (Inherited from BaseList.)
	writeExternal	(Inherited from BaseList.)

See Also

SchedulingItemList Class
com.mindfusion.scheduling Namespace

SchedulingItemList Constructor

Overload List

Name	Description
SchedulingItemList ()	
SchedulingItemList (Collection(Item))	
SchedulingItemList (Int32)	

See Also

SchedulingItemList Class
com.mindfusion.scheduling Namespace

SchedulingItemList Constructor ()

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public SchedulingItemList ()
```

See Also

SchedulingItemList Constructor Overload List
SchedulingItemList Class
com.mindfusion.scheduling Namespace

SchedulingItemList Constructor (Collection(Item))

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public SchedulingItemList (
    Collection<Item> items
)
```

Parameters

items

See Also

SchedulingItemList Constructor Overload List
SchedulingItemList Class
com.mindfusion.scheduling Namespace

SchedulingItemList Constructor (Int32)

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public SchedulingItemList (
    int capacity
)
```

Parameters

capacity

See Also

SchedulingItemList Constructor Overload List
SchedulingItemList Class
com.mindfusion.scheduling Namespace

SchedulingItemList Methods

SchedulingItemList.clone Method

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Object clone ()
```

Return Value

See Also

SchedulingItemList Members
SchedulingItemList Class
com.mindfusion.scheduling Namespace

Selection Class

Represents a set of selected date cells and defines a visualization style applied to the selected elements.

Syntax

Java

```
public class Selection
```

Inheritance Hierarchy

java.lang.Object
com.mindfusion.scheduling.Selection

See Also

Selection Members

Represents a set of selected date cells and defines a visualization style applied to the selected elements.

The following tables list the members exposed by the Selection type.

Public Methods

	Name	Description
	add	Overloaded. Adds a date or range of date to the selection.
	addChangeListener	Adds a ChangeListener to the selection.
	contains	Determines whether the specified date is currently selected.
	containsDay	Determines whether any part of the specified day is selected.
	getAllowMultiple	Gets a value indicating whether users are allowed to select multiple elements at a time.
	getContinuous	Gets a value indicating whether users can select only one range of dates in the calendar.
	getDayRanges	Gets a read-only collection of DateTime objects, sorted chronologically. Each pair in the collection represents an interval of selected days.
	getEnabled	Gets a value indicating whether users are allowed to select any cells in the calendar.
	getIsEmpty	Gets a value indicating whether this selection is empty.
	getRanges	Gets a read-only collection of **DateTime** objects, sorted chronologically. Each pair in the collection represents a selected time range.
	getResource	Gets the resource related to the current selection.
	getResources	Gets the resources related to the current selection.
	getSelectedElementsStyle	Gets the visualization style to apply to selected elements.
	getStyle	Gets the style of the selection frame drawn around selected calendar cells.
	remove	Overloaded. Removes a date or range of date from the selection.
	removeChangeListener	Removes the specified **ChangeListener** from the selection.
	reset	Clears the selection.
	restore	Restores a previously saved state.
	save	Saves the current selection state.
	set	Overloaded. Selects a date or range of dates.

	setAllowMultiple	Sets a value indicating whether users are allowed to select multiple elements at a time.
	setContinuous	Sets a value indicating whether users can select only one range of dates in the calendar.
	setEnabled	Sets a value indicating whether users are allowed to select any cells in the calendar.
	setSelectedElementsStyle	Sets the visualization style to apply to selected elements.
	setStyle	Sets the style of the selection frame drawn around selected calendar cells.

See Also

Selection Class
com.mindfusion.scheduling Namespace

Selection Methods

Selection.add Method

Adds a date or range of date to the selection.

Overload List

Name	Description
Selection.add (DateTime)	Adds the specified date to the selection.
Selection.add (DateTime, DateTime)	Adds the specified date range to the selection.
Selection.add (DateTime, DateTime, Resource)	Adds the specified date range to the selection of the specified resource.
Selection.add (DateTime, DateTime, Resource[])	Adds to the selection the specified date range associated with the specified resources.

See Also

Selection Members
Selection Class
com.mindfusion.scheduling Namespace

Selection.add Method (DateTime)

Adds the specified date to the selection.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void add (
    DateTime date
)
```

Parameters

date
The date to be added to the selection.

See Also

add Method Overload List
Selection Members
Selection Class
com.mindfusion.scheduling Namespace

Selection.add Method (DateTime, DateTime)

Adds the specified date range to the selection.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void add (
    DateTime start,
    DateTime end
)
```

Parameters

start
The start of the time range to be added to the selection.

end
The end of the time range to be added to the selection.

See Also

add Method Overload List
Selection Members
Selection Class
com.mindfusion.scheduling Namespace

Selection.add Method (DateTime, DateTime, Resource)

Adds the specified date range to the selection of the specified resource.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void add (
    DateTime start,
    DateTime end,
    Resource resource
)
```

Parameters

start
The start of the time range to be added to the selection.

end
The end of the time range to be added to the selection.

resource
A reference to a Resource to associate the selection with.

Remarks

Either all of the parameters contact, resource, location and task must be set to null or only one of them should be a non-null reference.

See Also

add Method Overload List
Selection Members
Selection Class
com.mindfusion.scheduling Namespace

Selection.add Method (DateTime, DateTime, Resource[])

Adds to the selection the specified date range associated with the specified resources.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void add (
    DateTime start,
    DateTime end,
    Resource[] resources
)
```

Parameters

start
The start of the time range to be added to the selection.

end
The end of the time range to be added to the selection.

resources
The resources associated with the specified interval.

See Also

add Method Overload List
Selection Members

Selection.addChangeListener Method

Adds a ChangeListener to the selection.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void addChangeListener (
    ChangeListener listener
)
```

Parameters

listener
The ChangeListener to be added.

See Also

Selection Members
Selection Class
com.mindfusion.scheduling Namespace

Selection.contains Method

Determines whether the specified date is currently selected.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public boolean contains (
    DateTime date
)
```

Parameters

date
A date to search for in the selection.

Return Value

true if the date's cell is selected; otherwise **false**.

See Also

Selection Members
Selection Class
com.mindfusion.scheduling Namespace

Selection.containsDay Method

Determines whether any part of the specified day is selected.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public boolean containsDay (
    DateTime date
)
```

Parameters

date
A DateTime instance specifying the day to check.

Return Value

true if any part of the day is into the selection; otherwise **false**.

See Also

Selection Members
Selection Class
com.mindfusion.scheduling Namespace

Selection.getAllowMultiple Method

Gets a value indicating whether users are allowed to select multiple elements at a time.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Boolean getAllowMultiple ()
```

Return Value

true to allow multiple selection; otherwise, **false**.

See Also

Selection Members
Selection Class
com.mindfusion.scheduling Namespace

Selection.getContinuous Method

Gets a value indicating whether users can select only one range of dates in the calendar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Boolean getContinuous ()
```

Return Value

true to prevent users from selecting more than one, continuous range of dates in the component; otherwise, **false**.

See Also

Selection Members
Selection Class
com.mindfusion.scheduling Namespace

Selection.getDayRanges Method

Gets a read-only collection of DateTime objects, sorted chronologically. Each pair in the collection represents an interval of selected days.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public List<DateTime> getDayRanges ()
```

Return Value

An instance of the List class containing even number of DateTime objects.

Remarks

Any attempt to modify this connection will result in an exception.

See Also

Selection Members
Selection Class
com.mindfusion.scheduling Namespace

Selection.getEnabled Method

Gets a value indicating whether users are allowed to select any cells in the calendar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Boolean getEnabled ()
```

Return Value

true if users are allowed to select calendar cells; otherwise, **false**.

See Also

Selection Members
Selection Class
com.mindfusion.scheduling Namespace

Selection.getIsEmpty Method

Gets a value indicating whether this selection is empty.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public boolean getIsEmpty ()
```

Return Value

true if there are selected calendar cells; otherwise, **false**.

See Also

Selection Members
Selection Class
com.mindfusion.scheduling Namespace

Selection.getRanges Method

Gets a read-only collection of DateTime objects, sorted chronologically. Each pair in the collection represents a selected time range.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public List<DateTime> getRanges ()
```

Return Value

Any attempt to modify this connection will result in an exception.

See Also

Selection Members
Selection Class
com.mindfusion.scheduling Namespace

Selection.getResource Method

Gets the resource related to the current selection.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Resource getResource ()
```

Return Value

The resource related to the current selection or if there are no selected cells or the current selection is not associated with a resource.

See Also

Selection Members
Selection Class
com.mindfusion.scheduling Namespace

Selection.getResources Method

Gets the resources related to the current selection.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Resource[] getResources ()
```

Return Value

A list with all related resources.

Remarks

This property is relevant in CalendarView.ResourceView view with enabled multiple grouping.

See Also

Selection Members
Selection Class
com.mindfusion.scheduling Namespace

Selection.getSelectedElementsStyle Method

Gets the visualization style to apply to selected elements.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Style getSelectedElementsStyle ()
```

Return Value

A Style object specifying the style applied to selected calendar cells. This cannot be **null**.

See Also

Selection Members
Selection Class
com.mindfusion.scheduling Namespace

Selection.getStyle Method

Gets the style of the selection frame drawn around selected calendar cells.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public SelectionStyle getStyle ()
```

Return Value

One of the SelectionStyle constants.

See Also

Selection Members
Selection Class
com.mindfusion.scheduling Namespace

Selection.remove Method

Removes a date or range of date from the selection.

Overload List

Name	Description
Selection.remove (DateTime)	Removes the specified date from the selection.
Selection.remove (DateTime, DateTime)	Removes the specified date range from the selection.

See Also

Selection Members
Selection Class
com.mindfusion.scheduling Namespace

Selection.remove Method (DateTime)

Removes the specified date from the selection.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void remove (
    DateTime date
)
```

Parameters

date
The date to be removed from the selection.

See Also

remove Method Overload List
Selection Members
Selection Class
com.mindfusion.scheduling Namespace

Selection.remove Method (DateTime, DateTime)

Removes the specified date range from the selection.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void remove (
    DateTime start,
    DateTime end
)
```

Parameters

start
The start of the time range to be removed from the selection.

end
The end of the time range to be removed from the selection.

See Also

remove Method Overload List
Selection Members
Selection Class
com.mindfusion.scheduling Namespace

Selection.removeChangeListener Method

Removes the specified ChangeListener from the selection.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void removeChangeListener (
    ChangeListener listener
)
```

Parameters

listener
The listener to be removed.

See Also

Selection Members
Selection Class
com.mindfusion.scheduling Namespace

Selection.reset Method

Clears the selection.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void reset ()
```

See Also

Selection Members
Selection Class
com.mindfusion.scheduling Namespace

Selection.restore Method

Restores a previously saved state.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void restore (
    SelectionState state
)
```

Parameters

state
A previously saved selection state.

See Also

Selection Members
Selection Class
com.mindfusion.scheduling Namespace

Selection.save Method

Saves the current selection state.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public SelectionState save ()
```

Return Value

A SelectionState object representing the current selection state.

See Also

Selection Members
Selection Class
com.mindfusion.scheduling Namespace

Selection.set Method

Selects a date or range of dates.

Overload List

Name	Description
Selection.set (DateTime)	Selects the specified date cell.
Selection.set (DateTime, DateTime)	Selects a range of date cells.
Selection.set (DateTime, DateTime, Resource)	Selects a range of date cells for a specified resource.
Selection.set (DateTime, DateTime, Resource[])	Selects a range of date cells associated with the specified resources.

See Also

Selection Members
Selection Class
com.mindfusion.scheduling Namespace

Selection.set Method (DateTime)

Selects the specified date cell.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void set (
    DateTime date
)
```

Parameters

date
A date whose calendar cell to select.

See Also

set Method Overload List
Selection Members
Selection Class
com.mindfusion.scheduling Namespace

Selection.set Method (DateTime, DateTime)

Selects a range of date cells.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void set (
    DateTime start,
    DateTime end
)
```

Parameters

start
Specifies the first date in the range.

end
Specifies the last date in the range.

See Also

set Method Overload List
Selection Members
Selection Class
com.mindfusion.scheduling Namespace

Selection.set Method (DateTime, DateTime, Resource)

Selects a range of date cells for a specified resource.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void set (
    DateTime start,
    DateTime end,
    Resource resource
)
```

Parameters

start
Specifies the first date in the range.

end
Specifies the last date in the range.

resource
A reference to a Resource to associate the selection with.

Remarks

Either all of the parameters contact, resource, location and task must be set to **null** or only one of them should be a non-null reference.

See Also

set Method Overload List
Selection Members

Selection.set Method (DateTime, DateTime, Resource[])

Selects a range of date cells associated with the specified resources.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void set (
    DateTime start,
    DateTime end,
    Resource[] resources
)
```

Parameters

start
Specifies the first date in the range.

end
Specifies the last date in the range.

resources
The resources associated with the specified interval.

See Also

set Method Overload List
Selection Members
Selection Class
com.mindfusion.scheduling Namespace

Selection.setAllowMultiple Method

Sets a value indicating whether users are allowed to select multiple elements at a time.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setAllowMultiple (
    Boolean value
)
```

Parameters

value
true to allow multiple selection; otherwise, **false**. Set to **null** to use the corresponding value from the current theme.

See Also

Selection Members
Selection Class
com.mindfusion.scheduling Namespace

Selection.setContinuous Method

Sets a value indicating whether users can select only one range of dates in the calendar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setContinuous (
    Boolean value
)
```

Parameters

value
true to prevent users from selecting more than one, continuous range of dates in the component; otherwise, **false**. Set to **null** to use the corresponding value from the current theme.

See Also

Selection Members
Selection Class
com.mindfusion.scheduling Namespace

Selection.setEnabled Method

Sets a value indicating whether users are allowed to select any cells in the calendar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setEnabled (
    Boolean value
)
```

Parameters

value
true if users are allowed to select calendar cells; otherwise, **false**. Set to **null** to use the corresponding value from the current theme.

See Also

Selection Members
Selection Class
com.mindfusion.scheduling Namespace

Selection.setSelectedElementsStyle Method

Sets the visualization style to apply to selected elements.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setSelectedElementsStyle (
    Style value
)
```

Parameters

value
A Style object specifying the style applied to selected calendar cells. This cannot be **null**.

See Also

Selection Members
Selection Class
com.mindfusion.scheduling Namespace

Selection.setStyle Method

Sets the style of the selection frame drawn around selected calendar cells.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setStyle (
    SelectionStyle value
)
```

Parameters

value
One of the SelectionStyle constants. Set to null to use the corresponding value from the current theme.

See Also

Selection Members
Selection Class
com.mindfusion.scheduling Namespace

SelectionState Class

Represents the saved state of a Selection object.

Syntax

Java
`public class SelectionState`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.SelectionState

See Also

SelectionState Members
com.mindfusion.scheduling Namespace

SelectionState Members

Represents the saved state of a Selection object.

The following tables list the members exposed by the SelectionState type.

See Also

SelectionState Class
com.mindfusion.scheduling Namespace

SelectionStyle Enumeration

Specifies what type of frame to draw around selected elements.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java
`public enum SelectionStyle`

Members

	Member name	Description
	FocusFrame	Draw a focus frame around the selected elements.
	None	Do not draw a frame.

See Also

com.mindfusion.scheduling Namespace

ShowClocks Enumeration

Specifies whether and when to display clocks in items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java
`public enum ShowClocks`

Members

	Member name	Description
	Always	Indicates that the clocks are always displayed.
	Default	Indicates that the clocks are displayed for non all-day times.
	Never	Indicates that the clocks are always hidden.

See Also

com.mindfusion.scheduling Namespace

Theme Class

Encapsulates visualization settings that can be applied to a Calendar control by calling the Calendar.applyTheme method. A theme includes settings for all calendar views - List, Month, Timetable, and so on.

Syntax

Java
`public abstract class Theme`

Remarks

You can create custom themes by deriving from this class and overriding all of the exposed properties. You can assign a custom theme to the control through the Calendar.setCustomTheme method.

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.Theme

See Also

Theme Members

Encapsulates visualization settings that can be applied to a Calendar control by calling the Calendar.applyTheme method. A theme includes settings for all calendar views - List, Month, Timetable, and so on.

The following tables list the members exposed by the Theme type.

Protected Constructors

	Name	Description
	Theme	Initializes a new instance of the **Theme** class.

Public Methods

	Name	Description
	getBlack	Gets the ThemeType.Black predefined theme.
	getControlAppearance	Gets the appearance of the child controls in this theme.
	getControlStyle	Gets a value indicating the appearance of the child controls within the **Calendar**, such as buttons and scrollbars.
	getDark	Gets the **ThemeType.Dark** predefined theme.
	getItemSettings	Gets an object defining the appearance of items in this theme.
	getLight	Gets the Light predefined theme.
	getLila	Gets the **ThemeType.Lila** predefined theme.
	getListViewSettings	Gets an object defining the appearance of the CalendarView.List view in this theme.
	getMonthRangeSettings	Gets an object defining the appearance of the **CalendarView.MonthRange** view in this theme.
	getMonthSettings	Gets an object defining the appearance of the **CalendarView.SingleMonth** view in this theme.
	getResourceViewSettings	Gets an object defining the appearance of the **CalendarView.ResourceView** view in this theme.
	getSelectionAllowMultiple	Gets whether the multiple selection is allowed.
	getSelectionContinuous	Gets a flag indicating whether the users can select only one range of dates in the calendar.
	getSelectionEnabled	Gets whether the selection is enabled.
	getSelectionSelectedElementsStyle	Gets the Style of the selected elements in this theme.
	getSelectionStyle	Gets the selection style in this theme.

	getSilver	Gets the **ThemeType.Silver** predefined theme.
	getStandard	Gets the **ThemeType.Standard** theme.
	getTimetableSettings	Gets an object defining the appearance of the **CalendarView.Timetable** view in this theme.
	getVista	Gets the **ThemeType.Vista** predefined theme.
	getWeekRangeSettings	Gets an object defining the appearance of the **CalendarView.WeekRange** view in this theme.
	getWindows2003	Gets the **ThemeType.Windows2003** predefined theme.

Protected Methods

	Name	Description
	createControlStyle	Creates a new ControlStyle object.
	createItemSettings	Creates a new ItemSettings object.
	createListViewSettings	Creates a new ListViewSettings object.
	createMonthRangeSettings	Creates a new MonthRangeSettings object.
	createMonthSettings	Creates a new MonthSettings object.
	createResourceViewSettings	Creates a new ResourceViewSettings object.
	createTimetableSettings	Creates a new TimetableSettings object.
	createWeekRangeSettings	Creates a new WeekRangeSettings object.

See Also

Theme Class
com.mindfusion.scheduling Namespace

Theme Constructor

Initializes a new instance of the Theme class.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected Theme ()
```

Remarks

Theme class is abstract and cannot be instantiated.

See Also

Theme Methods

Theme.createControlStyle Method

Creates a new ControlStyle object.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
protected ControlStyle createControlStyle ()
```

Return Value

An instance of the ControlStyle class.

Remarks

Invoke this method from within a derived custom theme class in order to create an instance of the ControlStyle class. This is necessary since **ControlStyle** does not have a public constructor and cannot be instantiated directly.

See Also

Theme Members
Theme Class
com.mindfusion.scheduling Namespace

Theme.createItemSettings Method

Creates a new ItemSettings object.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
protected ItemSettings createItemSettings ()
```

Return Value

An instance of the ItemSettings class.

Remarks

Invoke this method from within a derived custom theme class in order to create an instance of the ItemSettings class. This is necessary since **ItemSettings** does not have a public constructor and cannot be instantiated directly.

See Also

Theme Members
Theme Class
com.mindfusion.scheduling Namespace

Theme.createListViewSettings Method

Creates a new ListViewSettings object.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
protected ListViewSettings createListViewSettings ()
```

Return Value

An instance of the ListViewSettings class.

Remarks

Invoke this method from within a derived custom theme class in order to create an instance of the ListViewSettings class. This is necessary since **ListViewSettings** does not have a public constructor and cannot be instantiated directly.

See Also

Theme Members
Theme Class
com.mindfusion.scheduling Namespace

Theme.createMonthRangeSettings Method

Creates a new MonthRangeSettings object.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
protected MonthRangeSettings createMonthRangeSettings ()
```

Return Value

An instance of the MonthRangeSettings class.

Remarks

Invoke this method from within a derived custom theme class in order to create an instance of the MonthRangeSettings class. This is necessary since **MonthRangeSettings** does not have a public

constructor and cannot be instantiated directly.

See Also

Theme Members
Theme Class
com.mindfusion.scheduling Namespace

Theme.createMonthSettings Method

Creates a new MonthSettings object.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected MonthSettings createMonthSettings ()
```

Return Value

An instance of the MonthSettings class.

Remarks

Invoke this method from within a derived custom theme class in order to create an instance of the MonthSettings class. This is necessary since **MonthSettings** does not have a public constructor and cannot be instantiated directly.

See Also

Theme Members
Theme Class
com.mindfusion.scheduling Namespace

Theme.createResourceViewSettings Method

Creates a new ResourceViewSettings object.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected ResourceViewSettings createResourceViewSettings ()
```

Return Value

An instance of the ResourceViewSettings class.

Remarks

Invoke this method from within a derived custom theme class in order to create an instance of the ResourceViewSettings class. This is necessary since **ResourceViewSettings** does not have a public constructor and cannot be instantiated directly.

See Also

Theme Members
Theme Class
com.mindfusion.scheduling Namespace

Theme.createTimetableSettings Method

Creates a new TimetableSettings object.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected TimetableSettings createTimetableSettings ()
```

Return Value

An instance of the TimetableSettings class.

Remarks

Invoke this method from within a derived custom theme class in order to create an instance of the TimetableSettings class. This is necessary since **TimetableSettings** does not have a public constructor and cannot be instantiated directly.

See Also

Theme Members
Theme Class
com.mindfusion.scheduling Namespace

Theme.createWeekRangeSettings Method

Creates a new WeekRangeSettings object.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
protected WeekRangeSettings createWeekRangeSettings ()
```

Return Value

An instance of the WeekRangeSettings class.

Remarks

Invoke this method from within a derived custom theme class in order to create an instance of the WeekRangeSettings class. This is necessary since **WeekRangeSettings** does not have a public constructor and cannot be instantiated directly.

See Also

Theme Members
Theme Class
com.mindfusion.scheduling Namespace

Theme.getBlack Method

Gets the ThemeType.Black predefined theme.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public static Theme getBlack ()
```

Return Value

An instance of the Theme class representing the Black theme.

See Also

Theme Members
Theme Class
com.mindfusion.scheduling Namespace

Theme.getControlAppearance Method

Gets the appearance of the child controls in this theme.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public abstract ControlAppearance getControlAppearance ()
```

Return Value

One of the ControlAppearance constants.

See Also

Theme Members
Theme Class

Theme.getControlStyle Method

Gets a value indicating the appearance of the child controls within the Calendar, such as buttons and scrollbars.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public abstract ControlStyle getControlStyle ()
```

Return Value

An instance of the ControlStyle class.

See Also

Theme Members
Theme Class
com.mindfusion.scheduling Namespace

Theme.getDark Method

Gets the ThemeType.Dark predefined theme.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public static Theme getDark ()
```

Return Value

An instance of the Theme class representing the Dark theme.

See Also

Theme Members
Theme Class
com.mindfusion.scheduling Namespace

Theme.getItemSettings Method

Gets an object defining the appearance of items in this theme.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public abstract ItemSettings getItemSettings ()
```

Return Value

An instance of the ItemSettings class.

See Also

Theme Members
Theme Class
com.mindfusion.scheduling Namespace

Theme.getLight Method

Gets the Light predefined theme.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public static Theme getLight ()
```

Return Value

An instance of the Theme class representing the Light theme.

See Also

Theme Members
Theme Class
com.mindfusion.scheduling Namespace

Theme.getLila Method

Gets the ThemeType.Lila predefined theme.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public static Theme getLila ()
```

Return Value

An instance of the Theme class representing the Lila theme.

See Also

Theme Members
Theme Class
com.mindfusion.scheduling Namespace

Theme.getListViewSettings Method

Gets an object defining the appearance of the CalendarView.List view in this theme.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public abstract ListViewSettings getListViewSettings ()
```

Return Value

An instance of the ListViewSettings class.

See Also

Theme Members
Theme Class
com.mindfusion.scheduling Namespace

Theme.getMonthRangeSettings Method

Gets an object defining the appearance of the CalendarView.MonthRange view in this theme.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public abstract MonthRangeSettings getMonthRangeSettings ()
```

Return Value

An instance of the MonthRangeSettings class.

See Also

Theme Members
Theme Class
com.mindfusion.scheduling Namespace

Theme.getMonthSettings Method

Gets an object defining the appearance of the CalendarView.SingleMonth view in this theme.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public abstract MonthSettings getMonthSettings ()
```

Return Value

An instance of the MonthSettings class.

See Also

Theme Members
Theme Class
com.mindfusion.scheduling Namespace

Theme.getResourceViewSettings Method

Gets an object defining the appearance of the CalendarView.ResourceView view in this theme.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public abstract ResourceViewSettings getResourceViewSettings ()
```

Return Value

An instance of the ResourceViewSettings class.

See Also

Theme Members
Theme Class
com.mindfusion.scheduling Namespace

Theme.getSelectionAllowMultiple Method

Gets whether the multiple selection is allowed.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public abstract Boolean getSelectionAllowMultiple ()
```

Return Value

A **Boolean** value.

See Also

Theme Members
Theme Class
com.mindfusion.scheduling Namespace

Theme.getSelectionContinuous Method

Gets a flag indicating whether the users can select only one range of dates in the calendar.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public abstract Boolean getSelectionContinuous ()
```

Return Value

A **Boolean** value.

See Also

Theme Members
Theme Class
com.mindfusion.scheduling Namespace

Theme.getSelectionEnabled Method

Gets whether the selection is enabled.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public abstract Boolean getSelectionEnabled ()
```

Return Value

A **Boolean** value.

See Also

Theme Members
Theme Class
com.mindfusion.scheduling Namespace

Theme.getSelectionSelectedElementsStyle Method

Gets the Style of the selected elements in this theme.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public abstract Style getSelectionSelectedElementsStyle ()
```

Return Value

An instance of the Style class.

See Also

Theme Members
Theme Class
com.mindfusion.scheduling Namespace

Theme.getSelectionStyle Method

Gets the selection style in this theme.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public abstract SelectionStyle getSelectionStyle ()
```

Return Value

One of the SelectionStyle constants.

See Also

Theme Members
Theme Class
com.mindfusion.scheduling Namespace

Theme.getSilver Method

Gets the ThemeType.Silver predefined theme.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public static Theme getSilver ()
```

Return Value

An instance of the Theme class representing the Silver theme.

See Also

Theme Members
Theme Class
com.mindfusion.scheduling Namespace

Theme.getStandard Method

Gets the ThemeType.Standard theme.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public static Theme getStandard ()
```

Return Value

An instance of the Theme class representing the Standard theme.

See Also

Theme Members
Theme Class
com.mindfusion.scheduling Namespace

Theme.getTimetableSettings Method

Gets an object defining the appearance of the CalendarView.Timetable view in this theme.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public abstract TimetableSettings getTimetableSettings ()
```

Return Value

An instance of the TimetableSettings class.

See Also

Theme Members
Theme Class

Theme.getVista Method

Gets the ThemeType.Vista predefined theme.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public static Theme getVista ()
```

Return Value

An instance of the Theme class representing the Vista theme.

See Also

Theme Members
Theme Class
com.mindfusion.scheduling Namespace

Theme.getWeekRangeSettings Method

Gets an object defining the appearance of the CalendarView.WeekRange view in this theme.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public abstract WeekRangeSettings getWeekRangeSettings ()
```

Return Value

An instance of the WeekRangeSettings class.

See Also

Theme Members
Theme Class
com.mindfusion.scheduling Namespace

Theme.getWindows2003 Method

Gets the ThemeType.Windows2003 predefined theme.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java
`public static Theme getWindows2003 ()`

Return Value

An instance of the Theme class representing the Win2003 theme.

See Also

Theme Members
Theme Class
com.mindfusion.scheduling Namespace

ThemeType Enumeration

Specifies a calendar theme.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java
`public enum ThemeType`

Members

	Member name	Description
	Black	The black theme.
	Custom	Indicates a user-defined theme.
	Dark	The dark theme.
	Light	Indicates a light-colored theme.
	Lila	The Lila theme.
	Silver	The Silver theme.
	Standard	The standard theme.
	Vista	A theme with a Windows Vista look and feel.
	Windows2003	The Windows 2003 standard theme.

See Also

com.mindfusion.scheduling Namespace

TimelineSettings Class

Encapsulates settings for a timeline in a CalendarView.ResourceView view.

Syntax

Java
`public class TimelineSettings`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.TimelineSettings

See Also

TimelineSettings Members
com.mindfusion.scheduling Namespace

TimelineSettings Members

Encapsulates settings for a timeline in a CalendarView.ResourceView view.

The following tables list the members exposed by the TimelineSettings type.

Public Methods

	Name	Description
	getExtendedCurrentTimeMarker	Gets whether current-time marker spans the full extent of resource view.
	getFormat	Gets the format of the displayed dates in the timeline.
	getNowColor	Gets the color used to mark the current time in the timeline.
	getNowFillColor	Gets the fill color used to mark the current time in the timeline.
	getShowCurrentTime	Gets a value indicating whether to indicate the current time in the timeline.
	getShowTicks	Gets a value indicating whether the timeline displays tick lines.
	getSize	Gets the size of the timeline.
	getSpanCellCount	Gets a value indicating the number of cells to span when getSpanTexts is enabled.
	getSpanTexts	Gets a value indicating whether some cell texts will span more than one cell when the space in their corresponding cells is insufficient due to scaling the view.
	getStyle	Gets the style of the timeline.
	getTickSize	Gets the size of the ticks displayed in the timeline.
	getUnit	Gets the time unit of the timeline.
	getUnitCount	Gets the number of units between adjacent ticks in the timeline.

	isSettingsChanged	Gets a value indicating whether unit, format or unitcount has changed.
	setExtendedCurrentTimeMarker	Sets whether current-time marker spans the full extent of resource view.
	setFormat	Sets the format of the displayed dates in the timeline.
	setNowColor	Sets the color used to mark the current time in the timeline.
	setNowFillColor	Sets the fill color used to mark the current time in the timeline.
	setShowCurrentTime	Sets a value indicating whether to indicate the current time in the timeline.
	setShowTicks	Sets a value indicating whether the timeline displays tick lines.
	setSize	Sets the size of the timeline.
	setSpanCellCount	Sets a value indicating the number of cells to span when **getSpanTexts** is enabled.
	setSpanTexts	Sets a value indicating whether some cell texts will span more than one cell when the space in their corresponding cells is insufficient due to scaling the view.
	setStyle	Sets the style of the timeline.
	setTickSize	Sets the size of the ticks displayed in the timeline.
	setUnit	Sets the time unit of the timeline.
	setUnitCount	Sets the number of units between adjacent ticks in the timeline.

See Also

TimelineSettings Class
com.mindfusion.scheduling Namespace

TimelineSettings Methods

TimelineSettings.getExtendedCurrentTimeMarker Method

Gets whether current-time marker spans the full extent of resource view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Boolean getExtendedCurrentTimeMarker ()
```

Return Value

true to span full extent, or false to span only header area.

See Also

TimelineSettings Members
TimelineSettings Class
com.mindfusion.scheduling Namespace

TimelineSettings.getFormat Method

Gets the format of the displayed dates in the timeline.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public String getFormat ()
```

Return Value

A string specifying the display format.

See Also

TimelineSettings Members
TimelineSettings Class
com.mindfusion.scheduling Namespace

TimelineSettings.getNowColor Method

Gets the color used to mark the current time in the timeline.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Color getNowColor ()
```

Return Value

A Color object specifying the color used to indicate the current time.

See Also

TimelineSettings Members
TimelineSettings Class
com.mindfusion.scheduling Namespace

TimelineSettings.getNowFillColor Method

Gets the fill color used to mark the current time in the timeline.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Color getNowFillColor ()
```

Return Value

A Color object specifying the color used to indicate the current time.

See Also

TimelineSettings Members
TimelineSettings Class
com.mindfusion.scheduling Namespace

TimelineSettings.getShowCurrentTime Method

Gets a value indicating whether to indicate the current time in the timeline.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Boolean getShowCurrentTime ()
```

Return Value

true to indicate the current time; otherwise, **false**.

See Also

TimelineSettings Members
TimelineSettings Class
com.mindfusion.scheduling Namespace

TimelineSettings.getShowTicks Method

Gets a value indicating whether the timeline displays tick lines.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Boolean getShowTicks ()
```

Return Value

A **Boolean** value.

See Also

TimelineSettings Members
TimelineSettings Class
com.mindfusion.scheduling Namespace

TimelineSettings.getSize Method

Gets the size of the timeline.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Integer getSize ()
```

Return Value

A non-negative integer value.

Remarks

A value of 0 causes the size to be calculated automatically based on the size of the header font.

See Also

TimelineSettings Members
TimelineSettings Class
com.mindfusion.scheduling Namespace

TimelineSettings.getSpanCellCount Method

Gets a value indicating the number of cells to span when getSpanTexts is enabled.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Integer getSpanCellCount ()
```

Return Value

A non-negative integer value specifying the number of cells to span.

Remarks

If this value is 0, it is automatically calculated based on the current scale factor, which is specified by ResourceViewSettings.getTimelineScale.

See Also

TimelineSettings Members
TimelineSettings Class
com.mindfusion.scheduling Namespace

TimelineSettings.getSpanTexts Method

Gets a value indicating whether some cell texts will span more than one cell when the space in their corresponding cells is insufficient due to scaling the view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Boolean getSpanTexts ()
```

Return Value

A **Boolean** value.

Remarks

The number of spanned cells is specified by the getSpanCellCount property. If the value of this property is 0, then the number of cells is automatically calculated based on the current scale factor, which is specified by the ResourceViewSettings.getTimelineScale property.

See Also

TimelineSettings Members
TimelineSettings Class
com.mindfusion.scheduling Namespace

TimelineSettings.getStyle Method

Gets the style of the timeline.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Style getStyle ()
```

Return Value

A Style object specifying the style of the timeline. This property cannot be **null**.

See Also

TimelineSettings Members
TimelineSettings Class
com.mindfusion.scheduling Namespace

TimelineSettings.getTickSize Method

Gets the size of the ticks displayed in the timeline.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getTickSize ()
```

Return Value

A non-negative integer value.

See Also

TimelineSettings Members
TimelineSettings Class
com.mindfusion.scheduling Namespace

TimelineSettings.getUnit Method

Gets the time unit of the timeline.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public TimeUnit getUnit ()
```

Return Value

One of the TimeUnit constants.

See Also

TimelineSettings Members
TimelineSettings Class
com.mindfusion.scheduling Namespace

TimelineSettings.getUnitCount Method

Gets the number of units between adjacent ticks in the timeline.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getUnitCount ()
```

Return Value

A non-negative integer value.

See Also

TimelineSettings Members
TimelineSettings Class
com.mindfusion.scheduling Namespace

TimelineSettings.isSettingsChanged Method

Gets a value indicating whether unit, format or unitcount has changed.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public boolean isSettingsChanged ()
```

Return Value

true to indicate that unit, format or unitcount has changed, or false otherwise.

See Also

TimelineSettings Members
TimelineSettings Class
com.mindfusion.scheduling Namespace

TimelineSettings.setExtendedCurrentTimeMarker Method

Sets whether current-time marker spans the full extent of resource view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setExtendedCurrentTimeMarker (
    Boolean value
)
```

Parameters

value

true to span full extent, or false to span only header area.

See Also

TimelineSettings Members
TimelineSettings Class
com.mindfusion.scheduling Namespace

TimelineSettings.setFormat Method

Sets the format of the displayed dates in the timeline.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java

public void setFormat (
    String value
)
```

Parameters

value
A string specifying the display format. Set to **null** to use the corresponding value from the current theme.

See Also

TimelineSettings Members
TimelineSettings Class
com.mindfusion.scheduling Namespace

TimelineSettings.setNowColor Method

Sets the color used to mark the current time in the timeline.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java

public void setNowColor (
    Color value
)
```

Parameters

value
A Color object specifying the color used to indicate the current time. Set to null to use the corresponding value from the current theme.

See Also

TimelineSettings Members
TimelineSettings Class
com.mindfusion.scheduling Namespace

TimelineSettings.setNowFillColor Method

Sets the fill color used to mark the current time in the timeline.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setNowFillColor (
    Color value
)
```

Parameters

value
A Color object specifying the color used to indicate the current time. Set to null to use the corresponding value from the current theme.

See Also

TimelineSettings Members
TimelineSettings Class
com.mindfusion.scheduling Namespace

TimelineSettings.setShowCurrentTime Method

Sets a value indicating whether to indicate the current time in the timeline.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setShowCurrentTime (
    Boolean value
)
```

Parameters

value
true to indicate the current time; otherwise, **false**. Set to **null** to use the corresponding value from the current theme.

See Also

TimelineSettings Members
TimelineSettings Class
com.mindfusion.scheduling Namespace

TimelineSettings.setShowTicks Method

Sets a value indicating whether the timeline displays tick lines.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setShowTicks (
    Boolean value
)
```

Parameters

value
A **Boolean** value. Set to **null** to use the corresponding value from the current theme.

See Also

TimelineSettings Members
TimelineSettings Class
com.mindfusion.scheduling Namespace

TimelineSettings.setSize Method

Sets the size of the timeline.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setSize (
    Integer value
)
```

Parameters

value
A non-negative integer value. Set to **null** to use the corresponding value from the current theme.

Remarks

A value of 0 causes the size to be calculated automatically based on the size of the header font.

See Also

TimelineSettings Members
TimelineSettings Class
com.mindfusion.scheduling Namespace

TimelineSettings.setSpanCellCount Method

Sets a value indicating the number of cells to span when getSpanTexts is enabled.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setSpanCellCount (
    Integer value
)
```

Parameters

value
A non-negative integer value specifying the number of cells to span. Set to **null** to use the corresponding value from the current theme.

Remarks

If this value is 0, it is automatically calculated based on the current scale factor, which is specified by ResourceViewSettings.getTimelineScale.

See Also

TimelineSettings Members
TimelineSettings Class
com.mindfusion.scheduling Namespace

TimelineSettings.setSpanTexts Method

Sets a value indicating whether some cell texts will span more than one cell when the space in their corresponding cells is insufficient due to scaling the view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setSpanTexts (
    Boolean value
)
```

Parameters

value
A **Boolean** value. Set to **null** to use the corresponding value from the current theme.

Remarks

The number of spanned cells is specified by the getSpanCellCount property. If the value of this property is 0, then the number of cells is automatically calculated based on the current scale factor, which is specified by the ResourceViewSettings.getTimelineScale property.

See Also

TimelineSettings Members
TimelineSettings Class
com.mindfusion.scheduling Namespace

TimelineSettings.setStyle Method

Sets the style of the timeline.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setStyle (
    Style value
)
```

Parameters

value
A Style object specifying the style of the timeline. This property cannot be **null**.

See Also

TimelineSettings Members
TimelineSettings Class
com.mindfusion.scheduling Namespace

TimelineSettings.setTickSize Method

Sets the size of the ticks displayed in the timeline.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setTickSize (
    Integer value
)
```

Parameters

value
A non-negative integer value. Set to **null** to use the corresponding value from the current theme.

See Also

TimelineSettings Members
TimelineSettings Class
com.mindfusion.scheduling Namespace

TimelineSettings.setUnit Method

Sets the time unit of the timeline.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setUnit (
    TimeUnit value
)
```

Parameters

value
One of the TimeUnit constants. Set to null to use the corresponding value from the current theme.

See Also

TimelineSettings Members
TimelineSettings Class
com.mindfusion.scheduling Namespace

TimelineSettings.setUnitCount Method

Sets the number of units between adjacent ticks in the timeline.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setUnitCount (
    Integer value
)
```

Parameters

value
A non-negative integer value. Set to **null** to use the corresponding value from the current theme.

See Also

TimelineSettings Members
TimelineSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings Class

Defines properties that allow customizing the visualization of the calendar in CalendarView.Timetable view.

Syntax

Java
`public class TimetableSettings extends ViewSettings`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.ViewSettings
    com.mindfusion.scheduling.TimetableSettings

See Also

TimetableSettings Members
com.mindfusion.scheduling Namespace

TimetableSettings Members

Defines properties that allow customizing the visualization of the calendar in CalendarView.Timetable view.

The following tables list the members exposed by the TimetableSettings type.

Public Methods

	Name	Description
	addChangeListener	Adds a ChangeListener to the view settings. (Inherited from ViewSettings.)
	getAllowReorderResources	Gets a value indicating whether users are allowed to reorder resource columns via drag and drop.
	getAllowResizeColumns	Gets a value indicating whether the users can resize timetable columns.
	getCellSize	Gets the size of time cells.
	getCellStyle	Gets the style of a time segment cell.
	getCellTime	Gets the time length of a single cell in a timetable view, accurate to the nearest second.
	getColumnBandSize	Gets the size of the bands displayed on the left/top side of each timetable column.
	getDates	Gets a collection of all dates visualized in the timetable.
	getDayHeaderBrush	Gets the brush used to paint the subheader where the all-day items are displayed.
	getDayHeaderMinSize	Gets the minimum size of the header displaying all-day items.
	getDayHeaderSize	Gets the desired size of the header displaying all-day items.

	getEnableAutoDayChange	Gets a value indicating whether the **CalendarView.Timetable** view will automatically scroll one day forth and back when the user moves the mouse at the top or at the bottom of the view.
	getEnableCollisions	Gets a value indicating whether the item collision processing is enabled.
	getEnableDayItems	Gets a value indicating whether items longer than 24 hours are displayed in the day header or not.
	getEnableSnapping	Gets a value indicating whether custom snapping is enabled.
	getEnableWorkOnWeekends	Gets a value indicating whether to color the work-time cells in weekend days.
	getEndTime	Gets the end time of the timetable, expressed in minutes since the beginning of the day.
	getExpandActiveItemOn	Gets whether the active item should ignore collisions.
	getExtendedCurrentTimeMarker	Gets whether current-time marker spans the full extent of timetable view.
	getGeneralFormat	Gets the string to use when formatting times in the timeline.
	getGroupHourCount	Gets the number of hours to group when getGroupHours is enabled.
	getGroupHours	Gets a value indicating whether hours displayed in the timeline are grouped.
	getHeaderDateFormat	Gets how to format and display dates in the timetable header.
	getHeaderShadowColor	Gets the color of the shadows cast by headers.
	getHeaderShadowOffset	Gets the offset of the shadows from the headers that cast them.
	getHeaderShadowStyle	Gets the style of the shadows cast by headers.
	getHourFormat	Gets the format of the hours displayed in the timeline.
	getInfoHeaderBrush	Gets the brush used to paint the info header.
	getInfoHeaderSize	Gets the size of the info header.
	getItemOffset	Gets the distance between the first item and its adjoining cell side.
	getMainHeaderSize	Gets the size of the main header.
	getMaxAllDayItems	Gets the maximum number of all-day items visible in the columns headers at a time.
	getMaxItemSize	Gets the largest size allowed for schedule items.
	getMinColumnSize	Gets the smallest size allowed for timetable columns.
	getMinItemSize	Gets the smallest size allowed for schedule items.
	getMinuteFormat	Gets how to format and display minutes.
	getNowColor	Gets the color used to mark the current time in the timeline.

	getNowFillColor	Gets the fill color used to mark the current time in the timeline.
	getOrientation	Gets the view orientation.
	getReorderIndicatorColor	Gets the color of reorder indicator line.
	getReorderIndicatorWidth	Gets the width of reorder indicator line.
	getReverseGrouping	Gets a value indicating whether grouping (if enabled) will be performed first by the resource, and then by the date.
	getRotateHeaderTexts	Gets a value indicating whether the header texts are rotated in a view with Orientation.Horizontal orientation.
	getRotateTimelineTexts	Gets a value indicating whether the timeline texts are rotated in a view with Orientation.Horizontal orientation.
	getScrollStep	Gets the number of days to scroll when the user clicks the navigation buttons.
	getSecondTimelineOffset	Gets the offset in hours of the second timeline.
	getSecondTimelineStyle	Gets a value indicating whether a second timeline is displayed in addition to the primary one.
	getSelectWholeDayOnHeaderClick	Gets a value indicating whether the whole day is selected when the user clicks in the column's header.
	getShowAM	Gets a value indicating whether the AM and PM suffixes are displayed.
	getShowCurrentTime	Gets a value indicating whether to display the current time in the timeline.
	getShowDayHeader	Gets a value indicating whether to show the header displaying all-day items.
	getShowInfoHeader	Gets a value indicating whether to show the info header.
	getShowItemSpans	Gets a value indicating whether the item time spans are also projected in the left band of the corresponding column.
	getShowMinutesInHourHeaders	Gets a value indicating whether to display the minutes of each hour in the timeline header when it displays whole hour cells.
	getShowMoreItemsCue	Gets a value indicating whether to display a 'more items' icon in the timeline header when some items in a timetable column are not currently visible.
	getShowNavigationButtons	Gets a value indicating whether the Timetable view displays navigation buttons.
	getShowPadding	Gets a value indicating whether padding should be disabled. Padding of items appear when the items are not aligned to cells.
	getShowWorkTime	Gets a value indicating whether the work time should be displayed with different style.
	getSnapInterval	Gets the custom snap interval.

	getStartTime	Gets the start time of the timetable, expressed in minutes since the beginning of the day.
	getStyle	Gets the appearance style used to paint calendar elements that don't have a distinct style assigned to them.
	getSubHeaderSize	Gets the size of the secondary header.
	getTimelinePadding	Gets the padding of the separator lines in the timeline, expressed as a percent of the timeline size.
	getTimelineSize	Gets the size of the timeline header.
	getTimelineStyle	Gets the style of the timeline header.
	getTwelveHourFormat	Gets a value indicating whether to use a 12-hour format.
	getUseZoom	Gets a value indicating whether to use the associated zoom factor or the fixed cell height when displaying cells.
	getVisibleColumns	Gets the number of columns visible in the view.
	getWorkTimeCellStyle	Gets the style of cells in the work time interval.
	getWorkTimeEndHour	Gets the end hour of the work time interval.
	getWorkTimeStartHour	Gets the start hour of the work time interval.
	getZoomFactor	Gets the zoom factor when zoom is enabled.
	removeChangeListener	Removes the specified **ChangeListener** from the view settings. (Inherited from ViewSettings.)
	setAllowReorderResources	Sets a value indicating whether users are allowed to reorder resource columns via drag and drop.
	setAllowResizeColumns	Sets a value indicating whether the users can resize timetable columns.
	setCellSize	Sets the size of time cells.
	setCellStyle	Sets the style of a time segment cell.
	setCellTime	Sets the time length of a single cell in a timetable view, accurate to the nearest second.
	setColumnBandSize	Sets the size of the bands displayed on the left/top side of each timetable column.
	setDayHeaderBrush	Sets the brush used to paint the subheader where the all-day items are displayed.
	setDayHeaderMinSize	Sets the minimum size of the header displaying all-day items.
	setDayHeaderSize	Sets the desired size of the header displaying all-day items.
	setEnableAutoDayChange	Sets a value indicating whether the **CalendarView.Timetable** view will automatically scroll one day forth and back when the user moves the mouse at the top or at the bottom of the view.
	setEnableCollisions	Sets a value indicating whether the item collision processing is enabled.

	setEnableDayItems	Sets a value indicating whether items longer than 24 hours are displayed in the day header or not.
	setEnableSnapping	Sets a value indicating whether custom snapping is enabled.
	setEnableWorkOnWeekends	Sets a value indicating whether to color the work-time cells in weekend days.
	setEndTime	Sets the end time of the timetable, expressed in minutes since the beginning of the day.
	setExpandActiveItemOn	Sets whether the active item should ignore collisions.
	setExtendedCurrentTimeMarker	Sets whether current-time marker spans the full extent of timetable view.
	setGeneralFormat	Sets the string to use when formatting times in the timeline.
	setGroupHourCount	Sets the number of hours to group when **getGroupHours** is enabled.
	setGroupHours	Sets a value indicating whether hours displayed in the timeline are grouped.
	setHeaderDateFormat	Sets how to format and display dates in the timetable header.
	setHeaderShadowColor	Sets the color of the shadows cast by headers.
	setHeaderShadowOffset	Sets the offset of the shadows from the headers that cast them.
	setHeaderShadowStyle	Sets the style of the shadows cast by headers.
	setHourFormat	Sets the format of the hours displayed in the timeline.
	setInfoHeaderBrush	Sets the brush used to paint the info header.
	setInfoHeaderSize	Sets the size of the info header.
	setItemOffset	Sets the distance between the first item and its adjoining cell side.
	setMainHeaderSize	Sets the size of the main header.
	setMaxAllDayItems	Sets the maximum number of all-day items visible in the columns headers at a time.
	setMaxItemSize	Sets the largest size allowed for schedule items.
	setMinColumnSize	Sets the smallest size allowed for timetable columns.
	setMinItemSize	Sets the smallest size allowed for schedule items.
	setMinuteFormat	Sets how to format and display minutes.
	setNowColor	Sets the color used to mark the current time in the timeline.
	setNowFillColor	Sets the fill color used to mark the current time in the timeline.
	setOrientation	Sets the view orientation.
	setReorderIndicatorColor	Sets the color of reorder indicator line.

	setReorderIndicatorWidth	Sets the width of reorder indicator line.
	setReverseGrouping	Sets a value indicating whether grouping (if enabled) will be performed first by the resource, and then by the date.
	setRotateHeaderTexts	Sets a value indicating whether the header texts are rotated in a view with Orientation.Horizontal orientation.
	setRotateTimelineTexts	Sets a value indicating whether the timeline texts are rotated in a view with Orientation.Horizontal orientation.
	setScrollStep	Sets the number of days to scroll when the user clicks the navigation buttons.
	setSecondTimelineOffset	Sets the offset in hours of the second timeline.
	setSecondTimelineStyle	Sets a value indicating whether a second timeline is displayed in addition to the primary one.
	setSelectWholeDayOnHeaderClick	Sets a value indicating whether the whole day is selected when the user clicks in the column's header.
	setShowAM	Sets a value indicating whether the AM and PM suffixes are displayed.
	setShowCurrentTime	Sets a value indicating whether to display the current time in the timeline.
	setShowDayHeader	Sets a value indicating whether to show the header displaying all-day items.
	setShowInfoHeader	Sets a value indicating whether to show the info header.
	setShowItemSpans	Sets a value indicating whether the item time spans are also projected in the left band of the corresponding column.
	setShowMinutesInHourHeaders	Sets a value indicating whether to display the minutes of each hour in the timeline header when it displays whole hour cells.
	setShowMoreItemsCue	Sets a value indicating whether to display a 'more items' icon in the timeline header when some items in a timetable column are not currently visible.
	setShowNavigationButtons	Sets a value indicating whether the Timetable view displays navigation buttons.
	setShowPadding	Sets a value indicating whether padding should be disabled. Padding of items appear when the items are not aligned to cells.
	setShowWorkTime	Sets a value indicating whether the work time should be displayed with different style.
	setSnapInterval	Sets the custom snap interval.
	setStartTime	Sets the start time of the timetable, expressed in minutes since the beginning of the day.
	setStyle	Sets the appearance style used to paint calendar elements that don't have a distinct style assigned to them.
	setSubHeaderSize	Sets the size of the secondary header.

	setTimelinePadding	Sets the padding of the separator lines in the timeline, expressed as a percent of the timeline size.
	setTimelineSize	Sets the size of the timeline header.
	setTimelineStyle	Sets the style of the timeline header.
	setTwelveHourFormat	Sets a value indicating whether to use a 12-hour format.
	setUseZoom	Sets a value indicating whether to use the associated zoom factor or the fixed cell height when displaying cells.
	setVisibleColumns	Sets the number of columns visible in the view.
	setWorkTimeCellStyle	Sets the style of cells in the work time interval.
	setWorkTimeEndHour	Sets the end hour of the work time interval.
	setWorkTimeStartHour	Sets the start hour of the work time interval.
	setZoomFactor	Sets the zoom factor when zoom is enabled.

See Also

TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings Methods

TimetableSettings.getAllowReorderResources Method

Gets a value indicating whether users are allowed to reorder resource columns via drag and drop.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Boolean getAllowReorderResources ()
```

Return Value

A Boolean value.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getAllowResizeColumns Method

Gets a value indicating whether the users can resize timetable columns.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Boolean getAllowResizeColumns ()
```

Return Value

true to let users resize the view columns; otherwise, **false**.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getCellSize Method

Gets the size of time cells.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getCellSize ()
```

Return Value

An integer value specifying the cell size. The minimal allowed value is 10.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getCellStyle Method

Gets the style of a time segment cell.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Style getCellStyle ()
```

Return Value

A Style object specifying the style of timetable cells. This property cannot be **null**.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getCellTime Method

Gets the time length of a single cell in a timetable view, accurate to the nearest second.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Duration getCellTime ()
```

Return Value

A Duration object that specifies the time length of a single cell. The allowed values range from 1 second to 1 hour inclusive.

Remarks

Valid values for this property range from 1 second to 1 hour.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getColumnBandSize Method

Gets the size of the bands displayed on the left/top side of each timetable column.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getColumnBandSize ()
```

Return Value

A non-negative integer specifying band width in pixels.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getDates Method

Gets a collection of all dates visualized in the timetable.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public DateList getDates ()
```

Return Value

An instance of the DateList class specifying which dates to display as columns in the timetable view.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getDayHeaderBrush Method

Gets the brush used to paint the subheader where the all-day items are displayed.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Brush getDayHeaderBrush ()
```

Return Value

An instance of a Brush-derived class used to fill the day header.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getDayHeaderMinSize Method

Gets the minimum size of the header displaying all-day items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getDayHeaderMinSize ()
```

Return Value

An integer value specifying the minimal header size in pixels. The minimal allowed value is 5.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getDayHeaderSize Method

Gets the desired size of the header displaying all-day items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getDayHeaderSize ()
```

Return Value

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getEnableAutoDayChange Method

Gets a value indicating whether the CalendarView.Timetable view will automatically scroll one day forth and back when the user moves the mouse at the top or at the bottom of the view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Boolean getEnableAutoDayChange ()
```

Return Value

A **Boolean** value.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getEnableCollisions Method

Gets a value indicating whether the item collision processing is enabled.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Boolean getEnableCollisions ()
```

Return Value

A **Boolean** value.

Remarks

Turn this flag off if you don't need collision detection to improve performance.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getEnableDayItems Method

Gets a value indicating whether items longer than 24 hours are displayed in the day header or not.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Boolean getEnableDayItems ()
```

Return Value

A **Boolean** value.

Remarks

By default, items longer than 1 day or items marked as Item.getAllDayEvent are displayed in the day header of the view. If the day header is not displayed (that is, getShowDayHeader is set to **false**) then these items are never displayed. Settings this property to **false** causes all items regardless of their length to be displayed in the main view.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getEnableSnapping Method

Gets a value indicating whether custom snapping is enabled.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Boolean getEnableSnapping ()
```

Return Value

A **Boolean** value.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getEnableWorkOnWeekends Method

Gets a value indicating whether to color the work-time cells in weekend days.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Boolean getEnableWorkOnWeekends ()
```

Return Value

A **Boolean** value.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getEndTime Method

Gets the end time of the timetable, expressed in minutes since the beginning of the day.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getEndTime ()
```

Return Value

An integer value specifying the end time in minutes. The allowed values range from 0 to 2880.

Remarks

Specifying value for this property which is smaller than the value of getStartTime is permissible. This indicates that the end value represents time from the next day. For example, if **getStartTime** is set to 600 (10:00 AM) and **getEndTime** is set to 480 (8:00 AM), then each column in the view represents the time from 10:00 AM until 8:00 AM on the following day. Specifying 1920 (480 + 1440) for the **getEndTime** yields the same result.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getExpandActiveItemOn Method

Gets whether the active item should ignore collisions.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public EnumSet<ItemAction> getExpandActiveItemOn ()
```

Return Value

One of the ItemAction constants.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getExtendedCurrentTimeMarker Method

Gets whether current-time marker spans the full extent of timetable view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Boolean getExtendedCurrentTimeMarker ()
```

Return Value

true to span full extent, or false to span only header area.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getGeneralFormat Method

Gets the string to use when formatting times in the timeline.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public String getGeneralFormat ()
```

Return Value

A string specifying the display format.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getGroupHourCount Method

Gets the number of hours to group when getGroupHours is enabled.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Integer getGroupHourCount ()
```

Return Value

A non-negative integer specifying the number of hours.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getGroupHours Method

Gets a value indicating whether hours displayed in the timeline are grouped.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Boolean getGroupHours ()
```

Return Value

true to enable grouping; otherwise, **false**.

Remarks

Certain conditions prevent hours from grouping, such as when the hours are not divisible by the specified getCellTime.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getHeaderDateFormat Method

Gets how to format and display dates in the timetable header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public String getHeaderDateFormat ()
```

Return Value

A string specifying the display format.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getHeaderShadowColor Method

Gets the color of the shadows cast by headers.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Color getHeaderShadowColor ()
```

Return Value

A Color object specifying the color of headers' shadows.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getHeaderShadowOffset Method

Gets the offset of the shadows from the headers that cast them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Integer getHeaderShadowOffset ()
```

Return Value

An integer value specifying how many pixels there are between headers and their shadows. The allowed values range from 1 to 5.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getHeaderShadowStyle Method

Gets the style of the shadows cast by headers.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public ShadowStyle getHeaderShadowStyle ()
```

Return Value

One of the ShadowStyle constants.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getHourFormat Method

Gets the format of the hours displayed in the timeline.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public String getHourFormat ()
```

Return Value

A string specifying the display format.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getInfoHeaderBrush Method

Gets the brush used to paint the info header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Brush getInfoHeaderBrush ()
```

Return Value

A Brush object specifying the interior fill of the header.

See Also

TimetableSettings Members
TimetableSettings Class

TimetableSettings.getInfoHeaderSize Method

Gets the size of the info header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Integer getInfoHeaderSize ()
```

Return Value

A positive integer value specifying the size of the info header.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getItemOffset Method

Gets the distance between the first item and its adjoining cell side.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Integer getItemOffset ()
```

Return Value

A non-negative integer value specifying the item offset in pixels.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getMainHeaderSize Method

Gets the size of the main header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Integer getMainHeaderSize ()
```

Return Value

A non-negative integer value specifying the size of the header in pixels.

Remarks

A value of 0 causes the calendar to automatically calculate a header size based on the size of the header font.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getMaxAllDayItems Method

Gets the maximum number of all-day items visible in the columns headers at a time.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Integer getMaxAllDayItems ()
```

Return Value

An integer value specifying how many all-day items to display at most in the column headers. The allowed values range from 1 to 20.

Remarks

The all-day items header is automatically resized to hold all items up to the number set in this property. If there are more all-day items, the rest of them are not shown. In that case, the 'hidden items' icon is displayed if getShowMoreItemsCue is enabled.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getMaxItemSize Method

Gets the largest size allowed for schedule items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getMaxItemSize ()
```

Return Value

An integer value specifying the maximum size in pixels.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getMinColumnSize Method

Gets the smallest size allowed for timetable columns.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getMinColumnSize ()
```

Return Value

An integer value specifying the minimal column size. The minimal allowed value is 10.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getMinItemSize Method

Gets the smallest size allowed for schedule items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getMinItemSize ()
```

Return Value

An integer value specifying the minimal size in pixels. The minimal allowed value is 5.

Remarks

If there is not enough space in a column to display all related items, the items that do not fit remain invisible.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getMinuteFormat Method

Gets how to format and display minutes.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public MinuteFormat getMinuteFormat ()
```

Return Value

One of the MinuteFormat constants.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getNowColor Method

Gets the color used to mark the current time in the timeline.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Color getNowColor ()
```

Return Value

A Color object specifying the color used to indicate the current time.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getNowFillColor Method

Gets the fill color used to mark the current time in the timeline.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Color getNowFillColor ()
```

Return Value

A Color object specifying the color used to indicate the current time.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getOrientation Method

Gets the view orientation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Orientation getOrientation ()
```

Return Value

A member of the Orientation enumeration.

Remarks

A vertical timetable view displays cells for the same daytime in a row, and cells for the same date in a column. A horizontal timetable view displays cells for the same time of the day in a column, and cells for the same date in a row.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getReorderIndicatorColor Method

Gets the color of reorder indicator line.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Color getReorderIndicatorColor ()
```

Return Value

A Color object specifying the color of reorder indicator.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getReorderIndicatorWidth Method

Gets the width of reorder indicator line.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Integer getReorderIndicatorWidth ()
```

Return Value

An Integer object specifying the width of reorder indicator.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getReverseGrouping Method

Gets a value indicating whether grouping (if enabled) will be performed first by the resource, and then by the date.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Boolean getReverseGrouping ()
```

Return Value

A **Boolean** value.

Remarks

By default grouping is done first by available dates, then by the resources specified in the current grouping type. Setting this property to true reverses this behavior.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getRotateHeaderTexts Method

Gets a value indicating whether the header texts are rotated in a view with Orientation.Horizontal orientation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Boolean getRotateHeaderTexts ()
```

Return Value

true to display the header text rotated; otherwise, **false**.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getRotateTimelineTexts Method

Gets a value indicating whether the timeline texts are rotated in a view with Orientation.Horizontal orientation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Boolean getRotateTimelineTexts ()
```

Return Value

true to display the timeline text rotated; otherwise, **false**.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getScrollStep Method

Gets the number of days to scroll when the user clicks the navigation buttons.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getScrollStep ()
```

Return Value

A positive integer value specifying the number of days to scroll.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getSecondTimelineOffset Method

Gets the offset in hours of the second timeline.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getSecondTimelineOffset ()
```

Return Value

An integer value specifying the offset in hours. The allowed values range from 0 to 23.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getSecondTimelineStyle Method

Gets a value indicating whether a second timeline is displayed in addition to the primary one.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Alignment getSecondTimelineStyle ()
```

Return Value

One of the Alignment constants.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getSelectWholeDayOnHeaderClick Method

Gets a value indicating whether the whole day is selected when the user clicks in the column's header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Boolean getSelectWholeDayOnHeaderClick ()
```

Return Value

A **Boolean** value.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getShowAM Method

Gets a value indicating whether the AM and PM suffixes are displayed.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Boolean getShowAM ()
```

Return Value

true to show AM/PM suffixes; otherwise, **false**.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getShowCurrentTime Method

Gets a value indicating whether to display the current time in the timeline.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Boolean getShowCurrentTime ()
```

Return Value

true to indicate the current time; otherwise, **false**.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getShowDayHeader Method

Gets a value indicating whether to show the header displaying all-day items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Boolean getShowDayHeader ()
```

Return Value

true to show the days header; otherwise, **false**.

See Also

TimetableSettings Members
TimetableSettings Class

com.mindfusion.scheduling Namespace

TimetableSettings.getShowInfoHeader Method

Gets a value indicating whether to show the info header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Boolean getShowInfoHeader ()
```

Return Value

A **Boolean** value.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getShowItemSpans Method

Gets a value indicating whether the item time spans are also projected in the left band of the corresponding column.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Boolean getShowItemSpans ()
```

Return Value

true to display item duration projections; otherwise, **false**.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getShowMinutesInHourHeaders Method

Gets a value indicating whether to display the minutes of each hour in the timeline header when it displays whole hour cells.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Boolean getShowMinutesInHourHeaders ()
```

Return Value

true to show minutes; otherwise, **false**.

Remarks

Whole hour cells are displayed when the hours are divisible by the specified getCellTime.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getShowMoreItemsCue Method

Gets a value indicating whether to display a 'more items' icon in the timeline header when some items in a timetable column are not currently visible.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Boolean getShowMoreItemsCue ()
```

Return Value

true to show the 'more items' cue when there are items not visible in the current viewport; otherwise, **false**.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getShowNavigationButtons Method

Gets a value indicating whether the Timetable view displays navigation buttons.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
```

```
public Boolean getShowNavigationButtons ()
```

Return Value

true to show navigation buttons; otherwise, **false**.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getShowPadding Method

Gets a value indicating whether padding should be disabled. Padding of items appear when the items are not aligned to cells.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Boolean getShowPadding ()
```

Return Value

A **Boolean** value.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getShowWorkTime Method

Gets a value indicating whether the work time should be displayed with different style.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Boolean getShowWorkTime ()
```

Return Value

A **Boolean** value.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getSnapInterval Method

Gets the custom snap interval.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Duration getSnapInterval ()
```

Return Value

A Duration object that specifies the snap interval, relative to the beginning of the timetable column. The allowed values range from 1 second to 1 hour inclusive.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getStartTime Method

Gets the start time of the timetable, expressed in minutes since the beginning of the day.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getStartTime ()
```

Return Value

An integer value specifying the view start time in minutes. The allowed values range from 0 to 1440.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getStyle Method

Gets the appearance style used to paint calendar elements that don't have a distinct style assigned to them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Style getStyle ()
```

Return Value

A Style object specifying the style of calendar UI elements. This property cannot be **null**.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getSubHeaderSize Method

Gets the size of the secondary header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getSubHeaderSize ()
```

Return Value

A non-negative integer value specifying the size of the secondary header in pixels.

Remarks

A value of 0 causes the calendar to automatically calculate a header size based on the size of the header font.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getTimelinePadding Method

Gets the padding of the separator lines in the timeline, expressed as a percent of the timeline size.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Integer getTimelinePadding ()
```

Return Value

An integer value specifying the padding of the timeline separator lines, in percents.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getTimelineSize Method

Gets the size of the timeline header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Integer getTimelineSize ()
```

Return Value

A non-negative integer value specifying the size of the timeline header in pixels.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getTimelineStyle Method

Gets the style of the timeline header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Style getTimelineStyle ()
```

Return Value

A Style object specifying the appearance of the timeline header. This property cannot be **null**.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getTwelveHourFormat Method

Gets a value indicating whether to use a 12-hour format.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Boolean getTwelveHourFormat ()
```

Return Value

true to use 12-hour format, or **false** to use 24-hour format.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getUseZoom Method

Gets a value indicating whether to use the associated zoom factor or the fixed cell height when displaying cells.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Boolean getUseZoom ()
```

Return Value

A **Boolean** value.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getVisibleColumns Method

Gets the number of columns visible in the view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getVisibleColumns ()
```

Return Value

A positive integer value specifying the number of columns visible at the same time.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getWorkTimeCellStyle Method

Gets the style of cells in the work time interval.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Style getWorkTimeCellStyle ()
```

Return Value

A Style object specifying the style of the work time cells. This property cannot be **null**.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getWorkTimeEndHour Method

Gets the end hour of the work time interval.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getWorkTimeEndHour ()
```

Return Value

An integer value specifying the start of the work time in hours. The allowed values range from 0 to 23. The value cannot be less than getWorkTimeStartHour.

Remarks

This property and getWorkTimeStartHour specify the working time period, whose cells are usually displayed in a different style as set in setWorkTimeCellStyle. To use the same style for all cells in the timetable view, set **setWorkTimeCellStyle** to a new empty Style.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getWorkTimeStartHour Method

Gets the start hour of the work time interval.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Integer getWorkTimeStartHour ()
```

Return Value

An integer value specifying the start of the work time in hours. The allowed values range from 0 to 23. The value cannot be greater than getWorkTimeEndHour.

Remarks

This property and getWorkTimeEndHour specify the working time period, whose cells are usually displayed in a different style as set in setWorkTimeCellStyle. To use the same style for all cells in the timetable view, set **setWorkTimeCellStyle** to a new empty Style.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.getZoomFactor Method

Gets the zoom factor when zoom is enabled.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Integer getZoomFactor ()
```

Return Value

An integer value specifying the zoom factor when UseZoom is enabled. The allowed values range from 100 to 1000.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setAllowReorderResources Method

Sets a value indicating whether users are allowed to reorder resource columns via drag and drop.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setAllowReorderResources (
    Boolean value
)
```

Parameters

value
A Boolean value. Set to null to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setAllowResizeColumns Method

Sets a value indicating whether the users can resize timetable columns.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setAllowResizeColumns (
    Boolean value
)
```

Parameters

value

true to let users resize the view columns; otherwise, **false**. Set to **null** to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setCellSize Method

Sets the size of time cells.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setCellSize (
    Integer value
)
```

Parameters

value
An integer value specifying the cell size. The minimal allowed value is 10. Set to **null** to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setCellStyle Method

Sets the style of a time segment cell.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setCellStyle (
    Style value
)
```

Parameters

value
A Style object specifying the style of timetable cells. This property cannot be **null**.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setCellTime Method

Sets the time length of a single cell in a timetable view, accurate to the nearest second.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java

public void setCellTime (
    Duration value
)
```

Parameters

value
A Duration object that specifies the time length of a single cell. The allowed values range from 1 second to 1 hour inclusive. Set to **null** to use the corresponding value from the current theme.

Remarks

Valid values for this property range from 1 second to 1 hour.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setColumnBandSize Method

Sets the size of the bands displayed on the left/top side of each timetable column.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java

public void setColumnBandSize (
    Integer value
)
```

Parameters

value
A non-negative integer specifying band width in pixels. Set to **null** to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setDayHeaderBrush Method

Sets the brush used to paint the subheader where the all-day items are displayed.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setDayHeaderBrush (
    Brush value
)
```

Parameters

value
An instance of a Brush-derived class used to fill the day header. Set to **null** to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setDayHeaderMinSize Method

Sets the minimum size of the header displaying all-day items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setDayHeaderMinSize (
    Integer value
)
```

Parameters

value
An integer value specifying the minimal header size in pixels. The minimal allowed value is 5. Set to **null** to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setDayHeaderSize Method

Sets the desired size of the header displaying all-day items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setDayHeaderSize (
    Integer value
)
```

Parameters

value
An integer value specifying the header size in pixels. Set to 0 to indicate that the header should be auto-sized according to the getDayHeaderMinSize property.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setEnableAutoDayChange Method

Sets a value indicating whether the CalendarView.Timetable view will automatically scroll one day forth and back when the user moves the mouse at the top or at the bottom of the view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setEnableAutoDayChange (
    Boolean value
)
```

Parameters

value
A **Boolean** value. Set to **null** to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setEnableCollisions Method

Sets a value indicating whether the item collision processing is enabled.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setEnableCollisions (
    Boolean value
)
```

Parameters

value
A **Boolean** value. Set to **null** to use the corresponding value from the current theme.

Remarks

Turn this flag off if you don't need collision detection to improve performance.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setEnableDayItems Method

Sets a value indicating whether items longer than 24 hours are displayed in the day header or not.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setEnableDayItems (
    Boolean value
)
```

Parameters

value
A **Boolean** value. Set to **null** to use the corresponding value from the current theme.

Remarks

By default, items longer than 1 day or items marked as Item.getAllDayEvent are displayed in the day header of the view. If the day header is not displayed (that is, getShowDayHeader is set to **false**) then these items are never displayed. Settings this property to false causes all items regardless of their length to be displayed in the main view.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setEnableSnapping Method

Sets a value indicating whether custom snapping is enabled.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setEnableSnapping (
    Boolean value
)
```

Parameters

value
A **Boolean** value. Set to **null** to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setEnableWorkOnWeekends Method

Sets a value indicating whether to color the work-time cells in weekend days.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setEnableWorkOnWeekends (
    Boolean value
)
```

Parameters

value
A **Boolean** value. Set to **null** to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setEndTime Method

Sets the end time of the timetable, expressed in minutes since the beginning of the day.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setEndTime (
    Integer value
)
```

Parameters

value
An integer value specifying the end time in minutes. The allowed values range from 0 to 2880. Set to **null** to use the corresponding value from the current theme.

Remarks

Specifying value for this property which is smaller than the value of getStartTime is permissible. This indicates that the end value represents time from the next day. For example, if **getStartTime** is set to 600 (10:00 AM) and getEndTime is set to 480 (8:00 AM), then each column in the view represents the time from 10:00 AM until 8:00 AM on the following day. Specifying 1920 (480 + 1440) for the **getEndTime** yields the same result.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setExpandActiveItemOn Method

Sets whether the active item should ignore collisions.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setExpandActiveItemOn (
    EnumSet<ItemAction> value
)
```

Parameters

value
One of the ItemAction constants. Set to null to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class

TimetableSettings.setExtendedCurrentTimeMarker Method

Sets whether current-time marker spans the full extent of timetable view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setExtendedCurrentTimeMarker (
    Boolean value
)
```

Parameters

value
true to span full extent, or false to span only header area.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setGeneralFormat Method

Sets the string to use when formatting times in the timeline.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setGeneralFormat (
    String value
)
```

Parameters

value
A string specifying the display format. Set to **null** to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setGroupHourCount Method

Sets the number of hours to group when getGroupHours is enabled.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setGroupHourCount (
    Integer value
)
```

Parameters

value
A non-negative integer specifying the number of hours. Set to **null** to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setGroupHours Method

Sets a value indicating whether hours displayed in the timeline are grouped.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setGroupHours (
    Boolean value
)
```

Parameters

value
true to enable grouping; otherwise, **false**. Set to **null** to use the corresponding value from the current theme.

Remarks

Certain conditions prevent hours from grouping, such as when the hours are not divisible by the specified getCellTime.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setHeaderDateFormat Method

Sets how to format and display dates in the timetable header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setHeaderDateFormat (
    String value
)
```

Parameters

value
A string specifying the display format. Set to **null** to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setHeaderShadowColor Method

Sets the color of the shadows cast by headers.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setHeaderShadowColor (
    Color value
)
```

Parameters

value
A Color object specifying the color of headers' shadows. Set to null to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setHeaderShadowOffset Method

Sets the offset of the shadows from the headers that cast them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setHeaderShadowOffset (
    Integer value
)
```

Parameters

value
An integer value specifying how many pixels there are between headers and their shadows. The allowed values range from 1 to 5. Set to **null** to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setHeaderShadowStyle Method

Sets the style of the shadows cast by headers.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setHeaderShadowStyle (
    ShadowStyle value
)
```

Parameters

value
One of the ShadowStyle constants. Set to null to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setHourFormat Method

Sets the format of the hours displayed in the timeline.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setHourFormat (
    String value
)
```

Parameters

value
A string specifying the display format. Set to **null** to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setInfoHeaderBrush Method

Sets the brush used to paint the info header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setInfoHeaderBrush (
    Brush value
)
```

Parameters

value
A Brush object specifying the interior fill of the header. Set to **null** to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setInfoHeaderSize Method

Sets the size of the info header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setInfoHeaderSize (
    Integer value
```

```
)
```

Parameters

value
A positive integer value specifying the size of the info header. Set to **null** to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setItemOffset Method

Sets the distance between the first item and its adjoining cell side.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setItemOffset (
    Integer value
)
```

Parameters

value
A non-negative integer value specifying the item offset in pixels. Set to **null** to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setMainHeaderSize Method

Sets the size of the main header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setMainHeaderSize (
    Integer value
)
```

Parameters

value
A non-negative integer value specifying the size of the header in pixels. Set to **null** to use the corresponding value from the current theme.

Remarks

A value of 0 causes the calendar to automatically calculate a header size based on the size of the header font.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setMaxAllDayItems Method

Sets the maximum number of all-day items visible in the columns headers at a time.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setMaxAllDayItems (
    Integer value
)
```

Parameters

value
An integer value specifying how many all-day items to display at most in the column headers. The allowed values range from 1 to 20. Set to **null** to use the corresponding value from the current theme.

Remarks

The all-day items header is automatically resized to hold all items up to the number set in this property. If there are more all-day items, the rest of them are not shown. In that case, the 'hidden items' icon is displayed if getShowMoreItemsCue is enabled.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setMaxItemSize Method

Sets the largest size allowed for schedule items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setMaxItemSize (
    Integer value
)
```

Parameters

value

An integer value specifying the maximum size in pixels. Set to **null** to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setMinColumnSize Method

Sets the smallest size allowed for timetable columns.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setMinColumnSize (
    Integer value
)
```

Parameters

value

An integer value specifying the minimal column size. The minimal allowed value is 10. Set to **null** to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setMinItemSize Method

Sets the smallest size allowed for schedule items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setMinItemSize (
    Integer value
```

```
)
```

Parameters

value
An integer value specifying the minimal size in pixels. The minimal allowed value is 5. Set to **null** to use the corresponding value from the current theme.

Remarks

If there is not enough space in a column to display all related items, the items that do not fit remain invisible.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setMinuteFormat Method

Sets how to format and display minutes.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setMinuteFormat (
    MinuteFormat value
)
```

Parameters

value
One of the MinuteFormat constants. Set to null to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setNowColor Method

Sets the color used to mark the current time in the timeline.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setNowColor (
    Color value
)
```

Parameters

value
A Color object specifying the color used to indicate the current time. Set to null to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setNowFillColor Method

Sets the fill color used to mark the current time in the timeline.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setNowFillColor (
    Color value
)
```

Parameters

value
A Color object specifying the color used to indicate the current time. Set to null to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setOrientation Method

Sets the view orientation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setOrientation (
    Orientation value
)
```

Parameters

value
A member of the Orientation enumeration. Set to **null** to use the corresponding value from the current theme.

Remarks

A vertical timetable view displays cells for the same daytime in a row, and cells for the same date in a column. A horizontal timetable view displays cells for the same time of the day in a column, and cells for the same date in a row.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setReorderIndicatorColor Method

Sets the color of reorder indicator line.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setReorderIndicatorColor (
    Color value
)
```

Parameters

value
A Color object specifying the color of reorder indicator.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setReorderIndicatorWidth Method

Sets the width of reorder indicator line.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setReorderIndicatorWidth (
    Integer value
)
```

Parameters

value
An Integer object specifying the width of reorder indicator.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setReverseGrouping Method

Sets a value indicating whether grouping (if enabled) will be performed first by the resource, and then by the date.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setReverseGrouping (
    Boolean value
)
```

Parameters

value
A **Boolean** value. Set to **null** to use the corresponding value from the current theme.

Remarks

By default grouping is done first by available dates, then by the resources specified in the current grouping type. Setting this property to **true** reverses this behavior.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setRotateHeaderTexts Method

Sets a value indicating whether the header texts are rotated in a view with Orientation.Horizontal orientation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setRotateHeaderTexts (
    Boolean value
)
```

Parameters

value

true to display the header text rotated; otherwise, **false**. Set to **null** to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setRotateTimelineTexts Method

Sets a value indicating whether the timeline texts are rotated in a view with Orientation.Horizontal orientation.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setRotateTimelineTexts (
    Boolean value
)
```

Parameters

value

true to display the timeline text rotated; otherwise, **false**. Set to **null** to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setScrollStep Method

Sets the number of days to scroll when the user clicks the navigation buttons.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setScrollStep (
    Integer value
)
```

Parameters

value
A positive integer value specifying the number of days to scroll. Set to **null** to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setSecondTimelineOffset Method

Sets the offset in hours of the second timeline.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setSecondTimelineOffset (
    Integer value
)
```

Parameters

value
An integer value specifying the offset in hours. The allowed values range from 0 to 23. Set to **null** to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setSecondTimelineStyle Method

Sets a value indicating whether a second timeline is displayed in addition to the primary one.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setSecondTimelineStyle (
    Alignment value
)
```

Parameters

value
One of the Alignment constants. Set to **Alignment.Near** to show the second timeline next to the main one, **Alignment.Far** to place it at the opposite side of the view, or **Alignment.None** to hide it. Set to null to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setSelectWholeDayOnHeaderClick Method

Sets a value indicating whether the whole day is selected when the user clicks in the column's header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setSelectWholeDayOnHeaderClick (
    Boolean value
)
```

Parameters

value
A **Boolean** value. Set to **null** to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setShowAM Method

Sets a value indicating whether the AM and PM suffixes are displayed.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setShowAM (
    Boolean value
)
```

Parameters

value

true to show AM/PM suffixes; otherwise, **false**. Set to **null** to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setShowCurrentTime Method

Sets a value indicating whether to display the current time in the timeline.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setShowCurrentTime (
    Boolean value
)
```

Parameters

value
true to indicate the current time; otherwise, **false**. Set to **null** to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setShowDayHeader Method

Sets a value indicating whether to show the header displaying all-day items.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setShowDayHeader (
    Boolean value
)
```

Parameters

value
true to show the days header; otherwise, **false**. Set to **null** to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setShowInfoHeader Method

Sets a value indicating whether to show the info header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setShowInfoHeader (
    Boolean value
)
```

Parameters

value
A **Boolean** value. Set to **null** to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setShowItemSpans Method

Sets a value indicating whether the item time spans are also projected in the left band of the corresponding column.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setShowItemSpans (
    Boolean value
)
```

Parameters

value
true to display item duration projections; otherwise, **false**. Set to **null** to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setShowMinutesInHourHeaders Method

Sets a value indicating whether to display the minutes of each hour in the timeline header when it displays whole hour cells.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setShowMinutesInHourHeaders (
    Boolean value
)
```

Parameters

value
true to show minutes; otherwise, **false**. Set to **null** to use the corresponding value from the current theme.

Remarks

Whole hour cells are displayed when the hours are divisible by the specified getCellTime.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setShowMoreItemsCue Method

Sets a value indicating whether to display a 'more items' icon in the timeline header when some items in a timetable column are not currently visible.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setShowMoreItemsCue (
    Boolean value
)
```

Parameters

value
true to show the 'more items' cue when there are items not visible in the current viewport; otherwise, **false**. Set to **null** to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setShowNavigationButtons Method

Sets a value indicating whether the Timetable view displays navigation buttons.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setShowNavigationButtons (
    Boolean value
)
```

Parameters

value
true to show navigation buttons; otherwise, **false**. Set to **null** to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setShowPadding Method

Sets a value indicating whether padding should be disabled. Padding of items appear when the items are not aligned to cells.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setShowPadding (
    Boolean value
)
```

Parameters

value
A **Boolean** value. Set to **null** to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setShowWorkTime Method

Sets a value indicating whether the work time should be displayed with different style.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setShowWorkTime (
    Boolean value
)
```

Parameters

value
A **Boolean** value. Set to **null** to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setSnapInterval Method

Sets the custom snap interval.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setSnapInterval (
    Duration value
)
```

Parameters

value
A Duration object that specifies the snap interval, relative to the beginning of the timetable column. The allowed values range from 1 second to 1 hour inclusive. Set to **null** to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setStartTime Method

Sets the start time of the timetable, expressed in minutes since the beginning of the day.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setStartTime (
    Integer value
)
```

Parameters

value
An integer value specifying the view start time in minutes. The allowed values range from 0 to 1440. Set to **null** to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setStyle Method

Sets the appearance style used to paint calendar elements that don't have a distinct style assigned to them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setStyle (
    Style value
)
```

Parameters

value
A Style object specifying the style of calendar UI elements. This property cannot be **null**.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setSubHeaderSize Method

Sets the size of the secondary header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setSubHeaderSize (
    Integer value
)
```

Parameters

value
A non-negative integer value specifying the size of the secondary header in pixels. Set to **null** to use the corresponding value from the current theme.

Remarks

A value of 0 causes the calendar to automatically calculate a header size based on the size of the header font.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setTimelinePadding Method

Sets the padding of the separator lines in the timeline, expressed as a percent of the timeline size.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setTimelinePadding (
    Integer value
)
```

Parameters

value
An integer value specifying the padding of the timeline separator lines, in percents. Set to **null** to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setTimelineSize Method

Sets the size of the timeline header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setTimelineSize (
    Integer value
)
```

Parameters

value
A non-negative integer value specifying the size of the timeline header in pixels. Set to **null** to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setTimelineStyle Method

Sets the style of the timeline header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setTimelineStyle (
    Style value
)
```

Parameters

value
A Style object specifying the appearance of the timeline header. This property cannot be **null**.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setTwelveHourFormat Method

Sets a value indicating whether to use a 12-hour format.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setTwelveHourFormat (
    Boolean value
)
```

Parameters

value
true to use 12-hour format, or **false** to use 24-hour format. Set to **null** to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setUseZoom Method

Sets a value indicating whether to use the associated zoom factor or the fixed cell height when displaying cells.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setUseZoom (
    Boolean value
)
```

Parameters

value
A **Boolean** value. Set to **null** to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setVisibleColumns Method

Sets the number of columns visible in the view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setVisibleColumns (
    Integer value
)
```

Parameters

value
A positive integer value specifying the number of columns visible at the same time. Set to **null** to use the corresponding value from the current theme.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setWorkTimeCellStyle Method

Sets the style of cells in the work time interval.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setWorkTimeCellStyle (
    Style value
)
```

Parameters

value
A Style object specifying the style of the work time cells. This property cannot be **null**.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setWorkTimeEndHour Method

Sets the end hour of the work time interval.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
```

```
public void setWorkTimeEndHour (
    Integer value
)
```

Parameters

value
An integer value specifying the start of the work time in hours. The allowed values range from 0 to 23. The value cannot be less than getWorkTimeStartHour. Set to **null** to use the corresponding value from the current theme.

Remarks

This property and getWorkTimeStartHour specify the working time period, whose cells are usually displayed in a different style as set in setWorkTimeCellStyle. To use the same style for all cells in the timetable view, set **setWorkTimeCellStyle** to a new empty Style.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setWorkTimeStartHour Method

Sets the start hour of the work time interval.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setWorkTimeStartHour (
    Integer value
)
```

Parameters

value
An integer value specifying the start of the work time in hours. The allowed values range from 0 to 23. The value cannot be greater than getWorkTimeEndHour. Set to **null** to use the corresponding value from the current theme.

Remarks

This property and getWorkTimeEndHour specify the working time period, whose cells are usually displayed in a different style as set in setWorkTimeCellStyle. To use the same style for all cells in the timetable view, set **setWorkTimeCellStyle** to a new empty Style.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimetableSettings.setZoomFactor Method

Sets the zoom factor when zoom is enabled.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setZoomFactor (
    Integer value
)
```

Parameters

value
An integer value specifying the zoom factor when UseZoom is enabled. The allowed values range from 100 to 1000. Set to **null** to use the corresponding value from the current theme.

Remarks

To make the whole timeline visible at a time, set this to 100.

See Also

TimetableSettings Members
TimetableSettings Class
com.mindfusion.scheduling Namespace

TimeUnit Enumeration

Specifies a time resolution.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public enum TimeUnit
```

Members

	Member name	Description
	Day	Specifies days.
	Hour	Specifies hours.
	Minute	Specifies minutes.
	Month	Specifies months.
	Second	Specifies seconds.

	Week	Specifies weeks.
	Year	Specifies years.

See Also

com.mindfusion.scheduling Namespace

TooltipEvent Class

Contains the arguments passed to handlers of the CalendarListener.tooltipDisplaying event.

Syntax

Java
`public class TooltipEvent extends EventObject`

Inheritance Hierarchy

java.lang.Object
  java.util.EventObject
    com.mindfusion.scheduling.TooltipEvent

See Also

TooltipEvent Members
com.mindfusion.scheduling Namespace

TooltipEvent Members

Contains the arguments passed to handlers of the CalendarListener.tooltipDisplaying event.

The following tables list the members exposed by the TooltipEvent type.

Public Constructors

	Name	Description
	TooltipEvent	Initializes a new instance of the **TooltipEvent** class.

Public Methods

	Name	Description
	getElement	Gets the element whose tooltip is being displayed.
	getResource	Gets the resource associated with the calendar element or null if none.
	getTime	Gets the time associated with the calendar element or DateTime.MinValue if none.
	getTooltip	Gets the tooltip of the element.

	setTooltip	Sets the tooltip of the element.

See Also

TooltipEvent Class
com.mindfusion.scheduling Namespace

TooltipEvent Constructor

Initializes a new instance of the TooltipEvent class.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public TooltipEvent (
    Object source,
    CalendarElement element,
    String tooltip,
    Resource resource,
    DateTime time
)
```

Parameters

source

element

tooltip

resource

time

See Also

TooltipEvent Class
com.mindfusion.scheduling Namespace

TooltipEvent Methods

TooltipEvent.getElement Method

Gets the element whose tooltip is being displayed.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public CalendarElement getElement ()
```

Return Value

One of the CalendarElement constants identifying the calendar element whose tooltip is about to be displayed.

See Also

TooltipEvent Members
TooltipEvent Class
com.mindfusion.scheduling Namespace

TooltipEvent.getResource Method

Gets the resource associated with the calendar element or null if none.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Resource getResource ()
```

Return Value

A reference to a Contact, Location, Task or Resource. This value can be **null** if the current view is not grouped or the element whose tooltip is being displayed is not associated with a resource.

See Also

TooltipEvent Members
TooltipEvent Class
com.mindfusion.scheduling Namespace

TooltipEvent.getTime Method

Gets the time associated with the calendar element or DateTime.MinValue if none.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public DateTime getTime ()
```

Return Value

A DateTime object representing the date and time associated with the element whose tooltip is being displayed or DateTime.MinValue if no time is related with the element.

See Also

TooltipEvent Members
TooltipEvent Class

TooltipEvent.getTooltip Method

Gets the tooltip of the element.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public String getTooltip ()
```

Return Value

The text of the tooltip.

See Also

TooltipEvent Members
TooltipEvent Class
com.mindfusion.scheduling Namespace

TooltipEvent.setTooltip Method

Sets the tooltip of the element.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setTooltip (
    String value
)
```

Parameters

value
The text of the tooltip.

See Also

TooltipEvent Members
TooltipEvent Class
com.mindfusion.scheduling Namespace

ViewSettings Class

The base class for the different view settings classes.

Syntax

Java
`public abstract class ViewSettings`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.ViewSettings
    com.mindfusion.scheduling.CellSettings
    com.mindfusion.scheduling.ListViewSettings
    com.mindfusion.scheduling.MonthRangeSettings
    com.mindfusion.scheduling.MonthSettings
    com.mindfusion.scheduling.ResourceViewSettings
    com.mindfusion.scheduling.TimetableSettings
    com.mindfusion.scheduling.WeekRangeSettings

See Also

ViewSettings Members
com.mindfusion.scheduling Namespace

ViewSettings Members

The base class for the different view settings classes.

The following tables list the members exposed by the ViewSettings type.

Public Methods

	Name	Description
	addChangeListener	Adds a ChangeListener to the view settings.
	getStyle	Gets the appearance style used to paint calendar elements that don't have a distinct style assigned to them.
	removeChangeListener	Removes the specified **ChangeListener** from the view settings.
	setStyle	Sets the appearance style used to paint calendar elements that don't have a distinct style assigned to them.

See Also

ViewSettings Class
com.mindfusion.scheduling Namespace

ViewSettings Methods

ViewSettings.addChangeListener Method

Adds a ChangeListener to the view settings.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void addChangeListener (
    ChangeListener listener
)
```

Parameters

listener
The ChangeListener to be added.

See Also

ViewSettings Members
ViewSettings Class
com.mindfusion.scheduling Namespace

ViewSettings.getStyle Method

Gets the appearance style used to paint calendar elements that don't have a distinct style assigned to them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public abstract Style getStyle ()
```

Return Value

A Style instance.

See Also

ViewSettings Members
ViewSettings Class
com.mindfusion.scheduling Namespace

ViewSettings.removeChangeListener Method

Removes the specified ChangeListener from the view settings.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
```

```
public void removeChangeListener (
    ChangeListener listener
)
```

Parameters

listener
The listener to be removed.

See Also

ViewSettings Members
ViewSettings Class
com.mindfusion.scheduling Namespace

ViewSettings.setStyle Method

Sets the appearance style used to paint calendar elements that don't have a distinct style assigned to them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public abstract void setStyle (
    Style value
)
```

Parameters

value
A Style instance.

See Also

ViewSettings Members
ViewSettings Class
com.mindfusion.scheduling Namespace

WeekRangeHeaderStyle Enumeration

Specifies the appearance of the time period header in CalendarView.WeekRange view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public enum WeekRangeHeaderStyle
```

Members

	Member name	Description
	Reference	The header displays the name of the associated contact, location or task. This flag is valid only if grouping is enabled.
	Title	The header displays the start and end dates specified in the WeekRangeSettings object.

See Also

com.mindfusion.scheduling Namespace

WeekRangeSettings Class

Defines properties that allow customizing the visualization of in CalendarView.WeekRange view.

Syntax

Java
`public class WeekRangeSettings extends ViewSettings`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.ViewSettings
    com.mindfusion.scheduling.WeekRangeSettings

See Also

WeekRangeSettings Members
com.mindfusion.scheduling Namespace

WeekRangeSettings Members

Defines properties that allow customizing the visualization of in CalendarView.WeekRange view.

The following tables list the members exposed by the WeekRangeSettings type.

Public Methods

	Name	Description
	addChangeListener	Adds a ChangeListener to the view settings. (Inherited from ViewSettings.)
	getDayDistance	Gets the distance between adjacent days.
	getDayNamesHeaderHeight	Gets the height of the day-names header in the **CalendarView.WeekRange** view.
	getDayOfWeekFormat	Gets the display format of the names of the days of the week.
	getDaySettings	Gets the CellSettings object used to customize the visualization of days in a **CalendarView.WeekRange** view.

	getEvenMonthsBrush	Gets the brush used to paint the background of all even months' areas in the **CalendarView.WeekRange** view.
	getGroupWeekends	Gets a value indicating whether weekend days are grouped in a single calendar cell. Weekends are always grouped in a WeekRangeViewStyle.SingleWeek view.
	getGroupWeekendsTitleSeparator	Gets the separator string displayed between the weekend day names when **getGroupWeekends** is enabled.
	getHeaderShadowColor	Gets the color of the headers' shadows.
	getHeaderShadowOffset	Gets the offset of the shadows from the headers that cast them.
	getHeaderShadowStyle	Gets the style of the headers' shadows.
	getHeaderStyle	Gets the style of the time-period header, displayed above the day-names header.
	getMargin	Gets the distance between the outermost border and the rest of the calendar contents.
	getNumberOfDays	Gets the total number of days displayed in the **CalendarView.WeekRange** view.
	getOddMonthsBrush	Gets the brush used to paint the background of all odd months' areas in the WeekRange view.
	getReferenceHeaderHeight	Gets the height of the resource header in the **CalendarView.WeekRange** view.
	getShowDayOfWeek	Gets a value indicating whether the day names are displayed in the header area of the **CalendarView.WeekRange** view.
	getStyle	Gets the appearance style used to paint calendar elements that don't have a distinct style assigned to them.
	getTimePeriodHeaderHeight	Gets the height of the time-period header in the **CalendarView.WeekRange** view.
	getTitleFormat	Gets the format of the calendar's title.
	getTitleSeparator	Gets the string used as a separator in the calendar's title.
	getViewStyle	Gets the style of the **WeekRange** view.
	getVisibleColumns	Gets the number of columns visible when Calendar.getGroupType is enabled.
	getVisibleRows	Gets the number of weeks visible at a time.
	removeChangeListener	Removes the specified **ChangeListener** from the view settings. (Inherited from ViewSettings.)
	setDayDistance	Sets the distance between adjacent days.
	setDayNamesHeaderHeight	Sets the height of the day-names header in the **CalendarView.WeekRange** view.
	setDayOfWeekFormat	Sets the display format of the names of the days of the week.
	setEvenMonthsBrush	Sets the brush used to paint the background of all even months' areas in the **CalendarView.WeekRange** view.

	setGroupWeekends	Sets a value indicating whether weekend days are grouped in a single calendar cell. Weekends are always grouped in a **WeekRangeViewStyle.SingleWeek** view.
	setGroupWeekendsTitleSeparator	Sets the separator string displayed between the weekend day names when **getGroupWeekends** is enabled.
	setHeaderShadowColor	Sets the color of the headers' shadows.
	setHeaderShadowOffset	Sets the offset of the shadows from the headers that cast them.
	setHeaderShadowStyle	Sets the style of the headers' shadows.
	setHeaderStyle	Sets the style of the time-period header, displayed above the day-names header.
	setMargin	Sets the distance between the outermost border and the rest of the calendar contents.
	setOddMonthsBrush	Sets the brush used to paint the background of all odd months' areas in the WeekRange view.
	setReferenceHeaderHeight	Sets the height of the resource header in the **CalendarView.WeekRange** view.
	setShowDayOfWeek	Sets a value indicating whether the day names are displayed in the header area of the **CalendarView.WeekRange** view.
	setStyle	Sets the appearance style used to paint calendar elements that don't have a distinct style assigned to them.
	setTimePeriodHeaderHeight	Sets the height of the time-period header in the **CalendarView.WeekRange** view.
	setTitleFormat	Sets the format of the calendar's title.
	setTitleSeparator	Sets the string used as a separator in the calendar's title.
	setViewStyle	Sets the style of the WeekRange view.
	setVisibleColumns	Sets the number of columns visible when **Calendar.getGroupType** is enabled.
	setVisibleRows	Sets the number of weeks visible at a time.

See Also

WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings Methods

WeekRangeSettings.getDayDistance Method

Gets the distance between adjacent days.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getDayDistance ()
```

Return Value

A non-negative integer value specifying the distance between adjacent day cells in pixels.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.getDayNamesHeaderHeight Method

Gets the height of the day-names header in the CalendarView.WeekRange view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getDayNamesHeaderHeight ()
```

Return Value

A non-negative integer value specifying the height of the day-names header in pixels.

Remarks

A value of 0 causes the height to be calculated automatically based on the size of the header font.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.getDayOfWeekFormat Method

Gets the display format of the names of the days of the week.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public DayOfWeekFormat getDayOfWeekFormat ()
```

Return Value

One of the DayOfWeekFormat constants.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.getDaySettings Method

Gets the CellSettings object used to customize the visualization of days in a CalendarView.WeekRange view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public CellSettings getDaySettings ()
```

Return Value

An instance of the CellSettings class.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.getEvenMonthsBrush Method

Gets the brush used to paint the background of all even months' areas in the CalendarView.WeekRange view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Brush getEvenMonthsBrush ()
```

Return Value

An instance of a Brush-derived class used to fill the even month cells.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.getGroupWeekends Method

Gets a value indicating whether weekend days are grouped in a single calendar cell. Weekends are always grouped in a WeekRangeViewStyle.SingleWeek view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Boolean getGroupWeekends ()
```

Return Value

true to display weekend days together; otherwise, **false**.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.getGroupWeekendsTitleSeparator Method

Gets the separator string displayed between the weekend day names when getGroupWeekends is enabled.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public String getGroupWeekendsTitleSeparator ()
```

Return Value

A string specifying the separator text.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.getHeaderShadowColor Method

Gets the color of the headers' shadows.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Color getHeaderShadowColor ()
```

Return Value

A Color object specifying the color of headers' shadows.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.getHeaderShadowOffset Method

Gets the offset of the shadows from the headers that cast them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Integer getHeaderShadowOffset ()
```

Return Value

An integer value specifying with how many pixels to offset a header's shadow from the header. The allowed values range from 1 to 5.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.getHeaderShadowStyle Method

Gets the style of the headers' shadows.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public ShadowStyle getHeaderShadowStyle ()
```

Return Value

One of the ShadowStyle enumeration.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.getHeaderStyle Method

Gets the style of the time-period header, displayed above the day-names header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public EnumSet<WeekRangeHeaderStyle> getHeaderStyle ()
```

Return Value

One of the WeekRangeHeaderStyle constants.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.getMargin Method

Gets the distance between the outermost border and the rest of the calendar contents.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getMargin ()
```

Return Value

A non-negative integer value specifying the margin size in pixels.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.getNumberOfDays Method

Gets the total number of days displayed in the CalendarView.WeekRange view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public int getNumberOfDays ()
```

Return Value

An integer value specifying how many days are contained in the week range view.

Remarks

Use the Calendar.setDate and Calendar.setEndDate methods of the Calendar component to set the time period displayed in the week range view.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.getOddMonthsBrush Method

Gets the brush used to paint the background of all odd months' areas in the WeekRange view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Brush getOddMonthsBrush ()
```

Return Value

An instance of a Brush-derived class used to fill the odd month cells.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.getReferenceHeaderHeight Method

Gets the height of the resource header in the CalendarView.WeekRange view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getReferenceHeaderHeight ()
```

Return Value

A non-negative integer value specifying the header height.

Remarks

This header is where the contact, task, location or resource names are displayed, depending on Calendar.getGroupType. A value of 0 causes the height to be calculated automatically based on the size of the header font.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.getShowDayOfWeek Method

Gets a value indicating whether the day names are displayed in the header area of the CalendarView.WeekRange view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Boolean getShowDayOfWeek ()
```

Return Value

true to display the day names; otherwise, **false**.

Remarks

The day names are obtained from the Calendar.getDateTimeInfo object.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.getStyle Method

Gets the appearance style used to paint calendar elements that don't have a distinct style assigned to them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Style getStyle ()
```

Return Value

An instance of the Style class specifying the style of calendar UI elements. This property cannot be **null**.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.getTimePeriodHeaderHeight Method

Gets the height of the time-period header in the CalendarView.WeekRange view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public Integer getTimePeriodHeaderHeight ()
```

Return Value

A non-negative integer value specifying the header height in pixels.

Remarks

A value of 0 causes the height to be calculated automatically based on the size of the header font.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.getTitleFormat Method

Gets the format of the calendar's title.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public String getTitleFormat ()
```

Return Value

A string specifying the display format.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.getTitleSeparator Method

Gets the string used as a separator in the calendar's title.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public String getTitleSeparator ()
```

Return Value

A string specifying the separator text.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.getViewStyle Method

Gets the style of the WeekRange view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public WeekRangeViewStyle getViewStyle ()
```

Return Value

One of the WeekRangeViewStyle constants.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.getVisibleColumns Method

Gets the number of columns visible when Calendar.getGroupType is enabled.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getVisibleColumns ()
```

Return Value

A positive integer value specifying how many columns are visible simultaneously.

Remarks

In the week range view schedule data can be displayed in several columns grouped by contact, location, task or resource, as set in Calendar.getGroupType. This property determines how many parallel columns are visible at a time.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.getVisibleRows Method

Gets the number of weeks visible at a time.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public Integer getVisibleRows ()
```

Return Value

The allowed values range from 1 to 10.

Remarks

Used only when getViewStyle is set to WeekRangeViewStyle.WeekPerRow.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.setDayDistance Method

Sets the distance between adjacent days.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setDayDistance (
    Integer value
)
```

Parameters

value
A non-negative integer value specifying the distance between adjacent day cells in pixels. Set to **null** to use the corresponding value from the current theme.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.setDayNamesHeaderHeight Method

Sets the height of the day-names header in the CalendarView.WeekRange view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setDayNamesHeaderHeight (
    Integer value
)
```

Parameters

value
A non-negative integer value specifying the height of the day-names header in pixels. Set to **null** to use the corresponding value from the current theme.

Remarks

A value of 0 causes the height to be calculated automatically based on the size of the header font.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.setDayOfWeekFormat Method

Sets the display format of the names of the days of the week.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setDayOfWeekFormat (
    DayOfWeekFormat value
)
```

Parameters

value
One of the DayOfWeekFormat constants. Set to null to use the corresponding value from the current theme.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.setEvenMonthsBrush Method

Sets the brush used to paint the background of all even months' areas in the CalendarView.WeekRange view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

```
Java
public void setEvenMonthsBrush (
    Brush value
)
```

Parameters

value
An instance of a Brush-derived class used to fill the even month cells. Set to **null** to use the corresponding value from the current theme.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.setGroupWeekends Method

Sets a value indicating whether weekend days are grouped in a single calendar cell. Weekends are always grouped in a WeekRangeViewStyle.SingleWeek view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setGroupWeekends (
    Boolean value
)
```

Parameters

value

true to display weekend days together; otherwise, **false**. Set to **null** to use the corresponding value from the current theme.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.setGroupWeekendsTitleSeparator Method

Sets the separator string displayed between the weekend day names when getGroupWeekends is enabled.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setGroupWeekendsTitleSeparator (
    String value
)
```

Parameters

value

A string specifying the separator text. Set to **null** to use the corresponding value from the current theme.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.setHeaderShadowColor Method

Sets the color of the headers' shadows.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setHeaderShadowColor (
    Color value
```

```
)
```

Parameters

value
A Color object specifying the color of headers' shadows. Set to null to use the corresponding value from the current theme.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.setHeaderShadowOffset Method

Sets the offset of the shadows from the headers that cast them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setHeaderShadowOffset (
    Integer value
)
```

Parameters

value
An integer value specifying with how many pixels to offset a header's shadow from the header. The allowed values range from 1 to 5. Set to **null** to use the corresponding value from the current theme.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.setHeaderShadowStyle Method

Sets the style of the headers' shadows.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setHeaderShadowStyle (
    ShadowStyle value
)
```

Parameters

value
One of the ShadowStyle enumeration. Set to null to use the corresponding value from the current theme.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.setHeaderStyle Method

Sets the style of the time-period header, displayed above the day-names header.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setHeaderStyle (
    EnumSet<WeekRangeHeaderStyle> value
)
```

Parameters

value
One of the WeekRangeHeaderStyle constants. Set to null to use the corresponding value from the current theme.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.setMargin Method

Sets the distance between the outermost border and the rest of the calendar contents.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setMargin (
    Integer value
)
```

Parameters

value
A non-negative integer value specifying the margin size in pixels. Set to **null** to use the corresponding value from the current theme.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.setOddMonthsBrush Method

Sets the brush used to paint the background of all odd months' areas in the WeekRange view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setOddMonthsBrush (
    Brush value
)
```

Parameters

value
An instance of a Brush-derived class used to fill the odd month cells. Set to **null** to use the corresponding value from the current theme.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.setReferenceHeaderHeight Method

Sets the height of the resource header in the CalendarView.WeekRange view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setReferenceHeaderHeight (
    Integer value
)
```

Parameters

value
A non-negative integer value specifying the header height. Set to **null** to use the corresponding value from the current theme.

Remarks

This header is where the contact, task, location or resource names are displayed, depending on Calendar.getGroupType. A value of 0 causes the height to be calculated automatically based on the size of the header font.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.setShowDayOfWeek Method

Sets a value indicating whether the day names are displayed in the header area of the CalendarView.WeekRange view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setShowDayOfWeek (
    Boolean value
)
```

Parameters

value
true to display the day names; otherwise, **false**. Set to **null** to use the corresponding value from the current theme.

Remarks

The day names are obtained from the Calendar.getDateTimeInfo object.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.setStyle Method

Sets the appearance style used to paint calendar elements that don't have a distinct style assigned to them.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setStyle (
    Style value
)
```

Parameters

value
An instance of the Style class specifying the style of calendar UI elements. This property cannot be **null**.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.setTimePeriodHeaderHeight Method

Sets the height of the time-period header in the CalendarView.WeekRange view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setTimePeriodHeaderHeight (
    Integer value
)
```

Parameters

value
A non-negative integer value specifying the header height in pixels. Set to **null** to use the corresponding value from the current theme.

Remarks

A value of 0 causes the height to be calculated automatically based on the size of the header font.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.setTitleFormat Method

Sets the format of the calendar's title.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setTitleFormat (
    String value
)
```

Parameters

value
A string specifying the display format. Set to **null** to use the corresponding value from the current theme.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.setTitleSeparator Method

Sets the string used as a separator in the calendar's title.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setTitleSeparator (
    String value
)
```

Parameters

value
A string specifying the separator text. Set to **null** to use the corresponding value from the current theme.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.setViewStyle Method

Sets the style of the WeekRange view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setViewStyle (
    WeekRangeViewStyle value
)
```

Parameters

value

One of the WeekRangeViewStyle constants. Set to null to use the corresponding value from the current theme.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.setVisibleColumns Method

Sets the number of columns visible when Calendar.getGroupType is enabled.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setVisibleColumns (
    Integer value
)
```

Parameters

value
A positive integer value specifying how many columns are visible simultaneously. Set to **null** to use the corresponding value from the current theme.

Remarks

In the week range view schedule data can be displayed in several columns grouped by contact, location, task or resource, as set in Calendar.getGroupType. This property determines how many parallel columns are visible at a time.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeSettings.setVisibleRows Method

Sets the number of weeks visible at a time.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java

```
public void setVisibleRows (
    Integer value
)
```

Parameters

value
The allowed values range from 1 to 10. Set to **null** to use the corresponding value from the current theme.

Remarks

Used only when getViewStyle is set to WeekRangeViewStyle.WeekPerRow.

See Also

WeekRangeSettings Members
WeekRangeSettings Class
com.mindfusion.scheduling Namespace

WeekRangeViewStyle Enumeration

Specifies whether there are multiple weeks displayed in CalendarView.WeekRange view.

Namespace: com.mindfusion.scheduling
Package: com.mindfusion.scheduling

Syntax

Java
`public enum WeekRangeViewStyle`

Members

	Member name	Description
	SingleWeek	The calendar view displays a single week at a time.
	WeekPerRow	The calendar view displays several weeks at a time.

See Also

com.mindfusion.scheduling Namespace

com.mindfusion.scheduling.importers Namespace

GoogleCalendarImporter Class

Imports schedules from Google Calendar.

Syntax

Java
`public class GoogleCalendarImporter`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.importers.GoogleCalendarImporter

See Also

GoogleCalendarImporter Members
com.mindfusion.scheduling.importers Namespace

GoogleCalendarImporter Members

Imports schedules from Google Calendar.

The following tables list the members exposed by the GoogleCalendarImporter type.

Public Constructors

	Name	Description
	GoogleCalendarImporter	

Public Methods

	Name	Description
	importSchedule	Overloaded.

See Also

GoogleCalendarImporter Class
com.mindfusion.scheduling.importers Namespace

GoogleCalendarImporter Constructor

Namespace: com.mindfusion.scheduling.importers
Package: com.mindfusion.scheduling.importers

Syntax

Java
`public GoogleCalendarImporter ()`

See Also

GoogleCalendarImporter Class
com.mindfusion.scheduling.importers Namespace

GoogleCalendarImporter Methods

GoogleCalendarImporter.importSchedule Method

Overload List

Name	Description
GoogleCalendarImporter.importSchedule (String)	Imports the primary Google calendar.
GoogleCalendarImporter.importSchedule (String, String)	Imports the calendar with specified id.

See Also

GoogleCalendarImporter Members
GoogleCalendarImporter Class
com.mindfusion.scheduling.importers Namespace

GoogleCalendarImporter.importSchedule Method (String)

Imports the primary Google calendar.

Namespace: com.mindfusion.scheduling.importers
Package: com.mindfusion.scheduling.importers

Syntax

Java

```
public SwingFuture<Schedule> importSchedule (
    String accessToken
)
```

Parameters

accessToken
OAuth2 access token.

Return Value

The imported Schedule.

See Also

importSchedule Method Overload List
GoogleCalendarImporter Members
GoogleCalendarImporter Class
com.mindfusion.scheduling.importers Namespace

GoogleCalendarImporter.importSchedule Method (String, String)

Imports the calendar with specified id.

Namespace: com.mindfusion.scheduling.importers
Package: com.mindfusion.scheduling.importers

Syntax

```
Java
public SwingFuture<Schedule> importSchedule (
    String accessToken,
    String calendarId
)
```

Parameters

accessToken
OAuth2 access token.

calendarId
The id of a secondary Google calendar.

Return Value

The imported Schedule.

See Also

importSchedule Method Overload List
GoogleCalendarImporter Members
GoogleCalendarImporter Class
com.mindfusion.scheduling.importers Namespace

com.mindfusion.scheduling.model Namespace

AddItemCommand Class

Implements creation of new schedule items.

Syntax

```
Java
public class AddItemCommand extends Command
```

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.model.Command
    com.mindfusion.scheduling.model.AddItemCommand

See Also

AddItemCommand Members
com.mindfusion.scheduling.model Namespace

AddItemCommand Members

Implements creation of new schedule items.

The following tables list the members exposed by the AddItemCommand type.

Public Constructors

	Name	Description
	AddItemCommand	Initializes a new instance of the **AddItemCommand** class.

Public Methods

	Name	Description
	getSchedule	Gets the Schedule modified by this Command object. (Inherited from Command.)

Protected Methods

	Name	Description
	execute	Command.execute override.
	redo	Command.redo override.
	undo	Command.undo override.

See Also

AddItemCommand Class
com.mindfusion.scheduling.model Namespace

AddItemCommand Constructor

Initializes a new instance of the AddItemCommand class.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public AddItemCommand (
    Schedule schedule,
    Item item,
    int index
)
```

Parameters

schedule
The Schedule to which the new item is added.

item
The new Item that should be added to the schedule.

index
The position of the item within the item list.

See Also

AddItemCommand Class
com.mindfusion.scheduling.model Namespace

AddItemCommand Methods

AddItemCommand.execute Method

Command.execute override.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
protected boolean execute ()
```

Return Value

See Also

AddItemCommand Members
AddItemCommand Class
com.mindfusion.scheduling.model Namespace

AddItemCommand.redo Method

Command.redo override.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
protected void redo ()
```

See Also

AddItemCommand Members
AddItemCommand Class
com.mindfusion.scheduling.model Namespace

AddItemCommand.undo Method

Command.undo override.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java
`protected void undo ()`

See Also

AddItemCommand Members
AddItemCommand Class
com.mindfusion.scheduling.model Namespace

Appointment Class

The **Appointment** class represents appointments within a schedule.

Syntax

Java
`public class Appointment extends Item implements Cloneable`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.model.Item
    com.mindfusion.scheduling.model.Appointment

See Also

Appointment Members
com.mindfusion.scheduling.model Namespace

Appointment Members

The Appointment class represents appointments within a schedule.

The following tables list the members exposed by the **Appointment** type.

Public Constructors

	Name	Description
	Appointment	Initializes a new instance of the **Appointment** class.

Public Methods

	Name	Description
	addItemListener	Adds a ItemListener to the item. (Inherited from Item.)
	clone	Creates an exact shallow clone of this appointment.

	getAllDayEvent	Gets a value indicating whether the appointment is an all-day event.
	getAllowChangeEnd	Gets a value indicating whether users are allowed to change the appointment's end time.
	getAllowChangeStart	Gets a value indicating whether users are allowed to change the appointment's start time.
	getAllowMove	Gets a value indicating whether users are allowed to move the appointment.
	getAttendees	Gets the attendees of this appointment.
	getContacts	Gets a list with all contacts associated with this appointment.
	getDescriptionText	Gets the details text displayed for this appointment by scheduling controls.
	getDetails	Gets the detailed description of this appointment.
	getEndTime	Gets the appointment's scheduled end time.
	getHeaderText	Gets the header text displayed for this appointment by scheduling controls.
	getId	Gets the string identifier of this appointment.
	getLocation	Gets the location associated with this appointment.
	getLocked	Gets a value indicating whether users are forbidden to modify this appointment.
	getOccurrenceIndex	Gets the index of a repeating occurrence of a recurring item. (Inherited from Item.)
	getPointedSelectedStyle	Gets the style associated with this appointment.
	getPointedStyle	Gets the style associated with this appointment.
	getPriority	Gets the priority of this item. (Inherited from Item.)
	getRecurrence	Gets the recurrence pattern of this item. (Inherited from Item.)
	getRecurrenceState	Gets the recurrence state of this item. (Inherited from Item.)
	getReminder	Gets the reminder for this appointment.
	getResources	Gets a list with all resources associated with this appointment.
	getSelectedStyle	Gets the style used when this appointment is selected.
	getStartTime	Gets the appointment's scheduled start time.
	getStyle	Gets the style associated with this appointment.
	getSubject	Gets the subject of this appointment.
	getTag	Gets custom data associated with the appointment.
	getTask	Gets the task associated with this item.
	getVisible	Gets whether the appointment is visible or not.

	hashCode	Returns a hash code for this item. (Inherited from Item.)
	loadFrom	Overloaded.
	removeItemListener	Removes the specified **ItemListener** from the item. (Inherited from Item.)
	saveTo	Overloaded.
	setAllDayEvent	Sets a value indicating whether the appointment is an all-day event.
	setAllowChangeEnd	Sets a value indicating whether users are allowed to change the appointment's end time.
	setAllowChangeStart	Sets a value indicating whether users are allowed to change the appointment's start time.
	setAllowMove	Sets a value indicating whether users are allowed to move the appointment.
	setDescriptionText	Sets the details text displayed for this appointment by scheduling controls.
	setDetails	Sets the detailed description of this appointment.
	setEndTime	Sets the appointment's scheduled end time.
	setHeaderText	Sets the header text displayed for this appointment by scheduling controls.
	setId	Sets the string identifier of this appointment.
	setLocation	Sets the location associated with this appointment.
	setLocked	Sets a value indicating whether users are forbidden to modify this appointment.
	setPointedSelectedStyle	Sets the style associated with this appointment.
	setPointedStyle	Sets the style associated with this appointment.
	setPriority	Sets the priority of this item. (Inherited from Item.)
	setRecurrence	Sets the recurrence pattern of this item. (Inherited from Item.)
	setReminder	Sets the reminder for this appointment.
	setSelectedStyle	Sets the style used when this appointment is selected.
	setStartTime	Sets the appointment's scheduled start time.
	setStyle	Sets the style associated with this appointment.
	setSubject	Sets the subject of this appointment.
	setTag	Sets custom data associated with the appointment.
	setTask	Sets the task associated with this item.
	setVisible	Sets whether the appointment is visible or not.

Protected Methods

	Name	Description
	copyOccurrence	Called by the recurrence whenever a new occurrence is being generated in order to populate the fields of the instance from the master item. (Inherited from Item.)
	createState	Creates an item state corresponding to the concrete type of this item. (Inherited from Item.)
	onVisualsChanged	Forces the item to be repainted. (Inherited from Item.)
	restoreState	Restores the state of this item. (Inherited from Item.)
	saveState	Saves the state of this item. (Inherited from Item.)

See Also

Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment Constructor

Initializes a new instance of the Appointment class.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java
`public Appointment ()`

See Also

Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment Methods

Appointment.clone Method

Creates an exact shallow clone of this appointment.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java
`public Appointment clone ()`

Return Value

A new Appointment object representing a shallow copy of this one.

Remarks

The **clone** method creates an exact copy of an item with the following exceptions. The duplicates of a recurring item created through the **clone** method are no longer recurring items. The getId of the newly created item is unique and not the same as the **getId** of the source item.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.getAllDayEvent Method

Gets a value indicating whether the appointment is an all-day event.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public boolean getAllDayEvent ()
```

Return Value

true if the item is an all day event; otherwise, **false**. The default is **false**.

Remarks

All day events are displayed in a special header area when the Calendar displays a timetable view.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.getAllowChangeEnd Method

Gets a value indicating whether users are allowed to change the appointment's end time.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public boolean getAllowChangeEnd ()
```

Return Value

true if the appointment's end can be modified interactively; otherwise, **false**. The default is **true**.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.getAllowChangeStart Method

Gets a value indicating whether users are allowed to change the appointment's start time.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public boolean getAllowChangeStart ()
```

Return Value

true if the appointment's start can be modified interactively; otherwise, **false**. The default is **true**.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.getAllowMove Method

Gets a value indicating whether users are allowed to move the appointment.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public boolean getAllowMove ()
```

Return Value

true if the appointment can be moved interactively; otherwise, **false**. The default is **true**.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.getAttendees Method

Gets the attendees of this appointment.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public ResourceList<Contact> getAttendees ()
```

Return Value

An instance of the ResourceList class specifying the appointment's attendees.

Remarks

This method is equivalent to getContacts.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.getContacts Method

Gets a list with all contacts associated with this appointment.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public ResourceList<Contact> getContacts ()
```

Return Value

An instance of the ResourceList class containing the contacts associated with this appointment.

Remarks

This method is equivalent to getAttendees.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.getDescriptionText Method

Gets the details text displayed for this appointment by scheduling controls.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public String getDescriptionText ()
```

Return Value

A string containing the appointment's description. The default is an empty string.

Remarks

This method is equivalent to getDetails.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.getDetails Method

Gets the detailed description of this appointment.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public String getDetails ()
```

Return Value

A string containing the appointment's description. The default is an empty string.

Remarks

This method is equivalent to getDescriptionText.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.getEndTime Method

Gets the appointment's scheduled end time.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public DateTime getEndTime ()
```

Return Value

A DateTime object specifying the appointment's end time. The default is DateTime.MaxValue.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.getHeaderText Method

Gets the header text displayed for this appointment by scheduling controls.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public String getHeaderText ()
```

Return Value

A string containing the appointment's header text. The default is an empty string.

Remarks

This method is equivalent to getSubject.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.getId Method

Gets the string identifier of this appointment.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public String getId ()
```

Return Value

A string value that identifies uniquely this appointment.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.getLocation Method

Gets the location associated with this appointment.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Location getLocation ()
```

Return Value

An instance of the Location class specifying the appointment's location. The default is **null**.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.getLocked Method

Gets a value indicating whether users are forbidden to modify this appointment.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public boolean getLocked ()
```

Return Value

true if users are not allowed to modify the appointment interactively; otherwise, **false**. Default value is **false**.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.getPointedSelectedStyle Method

Gets the style associated with this appointment.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public Style getPointedSelectedStyle ()
```

Return Value

An instance of the Style class that defines the appearance of the item.

Remarks

This style is applied to the appointment when it is pointed with the mouse and selected at the same time. This property is ignored and getSelectedStyle is used instead of it when ItemSettings.getUseExtendedStyles is set to **false**.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.getPointedStyle Method

Gets the style associated with this appointment.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public Style getPointedStyle ()
```

Return Value

An instance of the Style class that defines the appearance of the item.

Remarks

This style is applied to the appointment when it is pointed with the mouse. This property is ignored and getStyle is used instead of it when ItemSettings.getUseExtendedStyles is set to **false**.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.getReminder Method

Gets the reminder for this appointment.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Reminder getReminder ()
```

Return Value

An instance of the Reminder class.

Remarks

If the reminder type is ReminderType.Exact, the ScheduleListener.itemReminderTriggered event is raised at the time set in the reminder's Reminder.getTime property. If the reminder type is ReminderType.Leading, the **ScheduleListener.itemReminderTriggered** event is raised certain amount of time prior to the item's getStartTime, as specified in the reminder's Reminder.getTimeInterval property.

Note: Recurring items cannot have leading reminders.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.getResources Method

Gets a list with all resources associated with this appointment.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public ResourceList<Resource> getResources ()
```

Return Value

An instance of the ResourceList class containing the resources associated with this item.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.getSelectedStyle Method

Gets the style used when this appointment is selected.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public Style getSelectedStyle ()
```

Return Value

An instance of the Style class that defines the appearance of the item.

Remarks

This style is applied on the appointment when it is selected.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.getStartTime Method

Gets the appointment's scheduled start time.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public DateTime getStartTime ()
```

Return Value

A DateTime instance specifying the scheduled time for the item.

Remarks

This property affects the initial time cell occupied by the item when it is displayed in a Calendar component.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.getStyle Method

Gets the style associated with this appointment.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Style getStyle ()
```

Return Value

An instance of the Style class that defines the appearance of the item.

Remarks

This style is applied to the appointment when it is neither pointed with the mouse nor selected.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.getSubject Method

Gets the subject of this appointment.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public String getSubject ()
```

Return Value

A string that identifies the subject of the appointment. The default is an empty string.

Remarks

This method is equivalent to getHeaderText.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.getTag Method

Gets custom data associated with the appointment.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Object getTag ()
```

Return Value

An instance of any class derived from **Object**.

Remarks

Use this property to store your custom data.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.getTask Method

Gets the task associated with this item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Task getTask ()
```

Return Value

An instance of the Task class. The default is **null**.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.getVisible Method

Gets whether the appointment is visible or not.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java
`public boolean getVisible ()`

Return Value

true if the item is visible; otherwise, **false**. The default is **true**.

Remarks

Invisible items are not drawn at all. You could use this property to hide an item temporarily, or to store additional data in a helper item object that always stays invisible.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.loadFrom Method

Overload List

Name	Description
Appointment.loadFrom (Element, XmlSerializationContext)	Loads appointment data from an XML document.
Appointment.loadFrom (JsonObject, JsonSerializationContext)	Loads appointment data from a JsonObject.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.loadFrom Method (Element, XmlSerializationContext)

Loads appointment data from an XML document.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

`public void loadFrom (`
`  Element element,`
`  XmlSerializationContext context`
`)`

Parameters

element
Allows reading data from the XML document.

context
The context object contains the file format revision number of the schedule being loaded. It also provides methods that facilitate reading and writing various data types from and to the XML document.

Remarks

Loads the appointment's fields from an XML document where they were stored by a previous call to the saveTo method.

See Also

loadFrom Method Overload List
Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.loadFrom Method (JsonObject, JsonSerializationContext)

Loads appointment data from a JsonObject.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void loadFrom (
    JsonObject obj,
    JsonSerializationContext context
)
```

Parameters

obj
The JsonObject containing the item data.

context
The context object contains the file format revision number of the schedule being loaded. It also provides methods that facilitate reading and writing various data types from and to JSON.

See Also

loadFrom Method Overload List
Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.saveTo Method

Overload List

Name	Description
Appointment.saveTo (Element, XmlSerializationContext)	Saves the appointment data to an XML document.
Appointment.saveTo (JsonObject, JsonSerializationContext)	Saves the appointment data to a JsonObject

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.saveTo Method (Element, XmlSerializationContext)

Saves the appointment data to an XML document.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void saveTo (
    Element element,
    XmlSerializationContext context
)
```

Parameters

element
Allows adding data to the XML document.

context
The context object contains the file format revision number of the schedule being loaded. It also provides methods that facilitate reading and writing various data types from and to the XML document.

Remarks

This method saves the appointment's fields as elements of an XML document, from which they can be loaded later via the loadFrom method.

See Also

saveTo Method Overload List
Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.saveTo Method (JsonObject, JsonSerializationContext)

Saves the appointment data to a JsonObject

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public void saveTo (
    JsonObject obj,
    JsonSerializationContext context
)
```

Parameters

obj
Saves the item data to a JsonObject.

context
The context object contains the file format revision number of the schedule being loaded. It also provides methods that facilitate reading and writing various data types from and to JSON.

See Also

saveTo Method Overload List
Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.setAllDayEvent Method

Sets a value indicating whether the appointment is an all-day event.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public void setAllDayEvent (
    boolean value
)
```

Parameters

value
true if the item is an all day event; otherwise, **false**. The default is **false**.

Remarks

All day events are displayed in a special header area when the Calendar displays a timetable view.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.setAllowChangeEnd Method

Sets a value indicating whether users are allowed to change the appointment's end time.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setAllowChangeEnd (
    boolean value
)
```

Parameters

value
true if the appointment's end can be modified interactively; otherwise, **false**. The default is **true**.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.setAllowChangeStart Method

Sets a value indicating whether users are allowed to change the appointment's start time.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setAllowChangeStart (
    boolean value
)
```

Parameters

value
true if the appointment's start can be modified interactively; otherwise, **false**. The default is **true**.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.setAllowMove Method

Sets a value indicating whether users are allowed to move the appointment.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public void setAllowMove (
    boolean value
)
```

Parameters

value
true if the appointment can be moved interactively; otherwise, **false**. The default is **true**.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.setDescriptionText Method

Sets the details text displayed for this appointment by scheduling controls.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public void setDescriptionText (
    String value
)
```

Parameters

value
A string containing the appointment's description. The default is an empty string.

Remarks

This method is equivalent to setDetails.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.setDetails Method

Sets the detailed description of this appointment.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setDetails (
    String value
)
```

Parameters

value
A string containing the appointment's description. The default is an empty string.

Remarks

This method is equivalent to setDescriptionText.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.setEndTime Method

Sets the appointment's scheduled end time.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setEndTime (
    DateTime value
)
```

Parameters

value
A DateTime object specifying the appointment's end time. The default is DateTime.MaxValue.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.setHeaderText Method

Sets the header text displayed for this appointment by scheduling controls.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setHeaderText (
    String value
)
```

Parameters

value
A string containing the appointment's header text. The default is an empty string.

Remarks

This method is equivalent to setSubject.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.setId Method

Sets the string identifier of this appointment.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setId (
    String value
)
```

Parameters

value
A string value that identifies uniquely this appointment.

Remarks

If you need to change this value, make sure it is always unique.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.setLocation Method

Sets the location associated with this appointment.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public void setLocation (
    Location value
)
```

Parameters

value
An instance of the Location class specifying the appointment's location. The default is **null**.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.setLocked Method

Sets a value indicating whether users are forbidden to modify this appointment.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public void setLocked (
    boolean value
)
```

Parameters

value
true if users are not allowed to modify the appointment interactively; otherwise **false**. Default value is **false**.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.setPointedSelectedStyle Method

Sets the style associated with this appointment.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
```

```
public void setPointedSelectedStyle (
    Style value
)
```

Parameters

value
An instance of the Style class that defines the appearance of the item.

Remarks

This style is applied to the appointment when it is pointed with the mouse and selected at the same time. This property is ignored and getSelectedStyle is used instead of it when com.mindfusion.scheduling.ItemSettings.getUseExtendedStyles is set to false.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.setPointedStyle Method

Sets the style associated with this appointment.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setPointedStyle (
    Style value
)
```

Parameters

value
An instance of the Style class that defines the appearance of the item.

Remarks

This style is applied to the appointment when it is pointed with the mouse. This property is ignored and getStyle is used instead of it when ItemSettings.getUseExtendedStyles is set to **false**.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.setReminder Method

Sets the reminder for this appointment.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public void setReminder (
    Reminder value
)
```

Parameters

value
An instance of the Reminder class.

Remarks

If the reminder type is ReminderType.Exact, the ScheduleListener.itemReminderTriggered event is raised at the time set in the reminder's Reminder.getTime property. If the reminder type is ReminderType.Leading, the **ScheduleListener.itemReminderTriggered** event is raised certain amount of time prior to the item's getStartTime, as specified in the reminder's Reminder.getTimeInterval property.

Note: Recurring items cannot have leading reminders.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.setSelectedStyle Method

Sets the style used when this appointment is selected.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public void setSelectedStyle (
    Style value
)
```

Parameters

value
An instance of the Style class that defines the appearance of the item.

Remarks

This style is applied on the appointment when it is selected.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.setStartTime Method

Sets the appointment's scheduled start time.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setStartTime (
    DateTime value
)
```

Parameters

value
A DateTime instance specifying the scheduled time for the item.

Remarks

This property affects the initial time cell occupied by the item when it is displayed in a Calendar component.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.setStyle Method

Sets the style associated with this appointment.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setStyle (
    Style value
)
```

Parameters

value
An instance of the Style class that defines the appearance of the item.

Remarks

This style is applied to the appointment when it is neither pointed with the mouse nor selected.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.setSubject Method

Sets the subject of this appointment.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setSubject (
    String value
)
```

Parameters

value
A string that identifies the subject of the appointment. The default is an empty string.

Remarks

This method is equivalent to setHeaderText.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.setTag Method

Sets custom data associated with the appointment.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setTag (
    Object value
)
```

Parameters

value
An instance of any class derived from **Object**.

Remarks

Use this property to store your custom data.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.setTask Method

Sets the task associated with this item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setTask (
    Task value
)
```

Parameters

value
An instance of the Task class. The default is **null**.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

Appointment.setVisible Method

Sets whether the appointment is visible or not.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setVisible (
    boolean value
)
```

Parameters

value
true if the item is visible; otherwise, **false**. The default is **true**.

Remarks

Invisible items are not drawn at all. You could use this property to hide an item temporarily, or to store additional data in a helper item object that always stays invisible.

See Also

Appointment Members
Appointment Class
com.mindfusion.scheduling.model Namespace

ChangeItemCommand Class

Handles undo / redo of property changes.

Syntax

Java
`public class ChangeItemCommand extends Command`

Remarks

The **ChangeItemCommand** constructor records the state of an item, and its undo and redo methods restore the item to either its old or new state.

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.model.Command
    com.mindfusion.scheduling.model.ChangeItemCommand

See Also

ChangeItemCommand Members
com.mindfusion.scheduling.model Namespace

ChangeItemCommand Members

Handles undo / redo of property changes.

The following tables list the members exposed by the ChangeItemCommand type.

Public Constructors

	Name	Description
	ChangeItemCommand	Initializes a new instance of the **ChangeItemCommand** class.

Public Methods

	Name	Description
	getSchedule	Gets the Schedule modified by this Command object. (Inherited from Command.)

Protected Methods

	Name	Description
	execute	Command.execute override.
	redo	Command.redo override.
	undo	Command.undo override.

See Also

ChangeItemCommand Class
com.mindfusion.scheduling.model Namespace

ChangeItemCommand Constructor

Initializes a new instance of the ChangeItemCommand class.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public ChangeItemCommand (
    Schedule schedule,
    Item item
)
```

Parameters

schedule
The Schedule whose item is changed.

item
The Item that will be modified.

See Also

ChangeItemCommand Class
com.mindfusion.scheduling.model Namespace

ChangeItemCommand Methods

ChangeItemCommand.execute Method

Command.execute override.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
protected boolean execute ()
```

Return Value

true, if the item's state has effectively changed; otherwise, **false**.

See Also

ChangeItemCommand Members
ChangeItemCommand Class
com.mindfusion.scheduling.model Namespace

ChangeItemCommand.redo Method

Command.redo override.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
protected void redo ()
```

See Also

ChangeItemCommand Members
ChangeItemCommand Class
com.mindfusion.scheduling.model Namespace

ChangeItemCommand.undo Method

Command.undo override.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
protected void undo ()
```

See Also

ChangeItemCommand Members
ChangeItemCommand Class
com.mindfusion.scheduling.model Namespace

Command Class

Represents an action that changes the schedule and whose effects can be undone.

Syntax

Java
`public abstract class Command`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.model.Command
    com.mindfusion.scheduling.model.AddItemCommand
    com.mindfusion.scheduling.model.ChangeItemCommand
    com.mindfusion.scheduling.model.CompositeCommand
    com.mindfusion.scheduling.model.RemoveItemCommand

See Also

Command Members
com.mindfusion.scheduling.model Namespace

Command Members

Represents an action that changes the schedule and whose effects can be undone.

The following tables list the members exposed by the Command type.

Protected Constructors

	Name	Description
	Command	Initializes a new instance of the **Command** class.

Public Methods

	Name	Description
	getSchedule	Gets the Schedule modified by this **Command** object.

Protected Methods

	Name	Description
	execute	Carries out an action that changes the schedule in some way.
	redo	Repeats an action that has been undone.
	undo	Undoes an action, restoring the schedule to the state it was in before carrying out the action.

See Also

Command Class
com.mindfusion.scheduling.model Namespace

Command Constructor

Initializes a new instance of the Command class.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
protected Command (
    Schedule schedule
)
```

Parameters

schedule
The Schedule object this command will operate on.

See Also

Command Class
com.mindfusion.scheduling.model Namespace

Command Methods

Command.execute Method

Carries out an action that changes the schedule in some way.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
protected abstract boolean execute ()
```

Return Value

true, if the command actually caused changes in the schedule; otherwise, **false**.

Remarks

Commands, which return false are never recorded in the command history.

See Also

Command Members
Command Class
com.mindfusion.scheduling.model Namespace

Command.getSchedule Method

Gets the Schedule modified by this Command object.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public Schedule getSchedule ()
```

Return Value

An instance of the Schedule class.

See Also

Command Members
Command Class
com.mindfusion.scheduling.model Namespace

Command.redo Method

Repeats an action that has been undone.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
protected abstract void redo ()
```

See Also

Command Members
Command Class
com.mindfusion.scheduling.model Namespace

Command.undo Method

Undoes an action, restoring the schedule to the state it was in before carrying out the action.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
protected abstract void undo ()
```

See Also

Command Members
Command Class
com.mindfusion.scheduling.model Namespace

CompositeCommand Class

Represents a set of Command instances as a single operation. Undoing or redoing the composite action, respectively undoes or redoes all its constituent subactions at the same time.

Syntax

Java
`public class CompositeCommand extends Command`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.model.Command
    com.mindfusion.scheduling.model.CompositeCommand

See Also

CompositeCommand Members
com.mindfusion.scheduling.model Namespace

CompositeCommand Members

Represents a set of Command instances as a single operation. Undoing or redoing the composite action, respectively undoes or redoes all its constituent subactions at the same time.

The following tables list the members exposed by the CompositeCommand type.

Public Constructors

	Name	Description
	CompositeCommand	Initializes a new instance of the **CompositeCommand** class.

Public Methods

	Name	Description
	getCommands	Gets a list containing the child **Command** objects.
	getSchedule	Gets the Schedule modified by this **Command** object. (Inherited from Command.)

Protected Methods

	Name	Description
	execute	Command.execute override.

	redo	Command.redo override.
	undo	Command.undo override.

See Also

CompositeCommand Class
com.mindfusion.scheduling.model Namespace

CompositeCommand Constructor

Initializes a new instance of the CompositeCommand class.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public CompositeCommand (
    Schedule schedule
)
```

Parameters

schedule
The Schedule modified by this command.

See Also

CompositeCommand Class
com.mindfusion.scheduling.model Namespace

CompositeCommand Methods

CompositeCommand.execute Method

Command.execute override.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
protected boolean execute ()
```

Return Value

true, if at least one of the underlying commands returned **true** upon execution; otherwise, **false**.

See Also

CompositeCommand Members
CompositeCommand Class
com.mindfusion.scheduling.model Namespace

CompositeCommand.getCommands Method

Gets a list containing the child Command objects.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public ExtendedArrayList<Command> getCommands ()
```

Return Value

A list of Command objects.

See Also

CompositeCommand Members
CompositeCommand Class
com.mindfusion.scheduling.model Namespace

CompositeCommand.redo Method

Command.redo override.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
protected void redo ()
```

See Also

CompositeCommand Members
CompositeCommand Class
com.mindfusion.scheduling.model Namespace

CompositeCommand.undo Method

Command.undo override.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
```

Java
`protected void undo ()`

See Also

CompositeCommand Members
CompositeCommand Class
com.mindfusion.scheduling.model Namespace

Contact Class

Instances of the **Contact** class contain contact information about individual persons. Contact objects are used by schedule classes that have human resources associated with them.

Syntax

Java
`public class Contact extends Resource`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.model.Resource
    com.mindfusion.scheduling.model.Contact

See Also

Contact Members
com.mindfusion.scheduling.model Namespace

Contact Members

Instances of the Contact class contain contact information about individual persons. Contact objects are used by schedule classes that have human resources associated with them.

The following tables list the members exposed by the **Contact** type.

Public Constructors

	Name	Description
	Contact	Initializes a new instance of the **Contact** class.

Public Methods

	Name	Description
	getAddress	Gets the address of the contact.
	getCustomBrushes	Gets a CustomBrushes object associated with the resource. (Inherited from Resource.)
	getEmail	Gets the e-mail address of the contact.

	getFirstName	Gets the first name of the contact.
	getId	Gets the string identifier of this resource. (Inherited from Resource.)
	getLastName	Gets the last name of the contact.
	getMiddleName	Gets the middle name of the contact.
	getName	Gets the name of the resource. (Inherited from Resource.)
	getPhone	Gets the phone of the contact.
	getTag	Gets custom data associated with the resource. (Inherited from Resource.)
	loadFrom	Overloaded.
	saveTo	Overloaded.
	setAddress	Sets the address of the contact.
	setCustomBrushes	Sets a **CustomBrushes** object associated with the resource. (Inherited from Resource.)
	setEmail	Sets the e-mail address of the contact.
	setFirstName	Sets the first name of the contact.
	setId	Sets the string identifier of this resource. (Inherited from Resource.)
	setLastName	Sets the last name of the contact.
	setMiddleName	Sets the middle name of the contact.
	setName	Sets the name of the resource. (Inherited from Resource.)
	setPhone	Sets the phone of the contact.
	setTag	Sets custom data associated with the resource. (Inherited from Resource.)

See Also

Contact Class
com.mindfusion.scheduling.model Namespace

Contact Constructor

Initializes a new instance of the Contact class.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Contact ()
```

See Also

Contact Class
com.mindfusion.scheduling.model Namespace

Contact Methods

Contact.getAddress Method

Gets the address of the contact.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java
`public String getAddress ()`

Return Value

A string containing address information. The default is an empty string.

See Also

Contact Members
Contact Class
com.mindfusion.scheduling.model Namespace

Contact.getEmail Method

Gets the e-mail address of the contact.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java
`public String getEmail ()`

Return Value

A string containing an e-mail address. The default is an empty string.

See Also

Contact Members
Contact Class
com.mindfusion.scheduling.model Namespace

Contact.getFirstName Method

Gets the first name of the contact.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public String getFirstName ()
```

Return Value

A string containing the first name of a person. The default is an empty string.

See Also

Contact Members
Contact Class
com.mindfusion.scheduling.model Namespace

Contact.getLastName Method

Gets the last name of the contact.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public String getLastName ()
```

Return Value

A string containing person's last name. The default is an empty string.

See Also

Contact Members
Contact Class
com.mindfusion.scheduling.model Namespace

Contact.getMiddleName Method

Gets the middle name of the contact.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public String getMiddleName ()
```

Return Value

A string containing person's middle name. The default is an empty string.

See Also

Contact Members
Contact Class
com.mindfusion.scheduling.model Namespace

Contact.getPhone Method

Gets the phone of the contact.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java
`public String getPhone ()`

Return Value

A string containing a phone number. The default is an empty string.

See Also

Contact Members
Contact Class
com.mindfusion.scheduling.model Namespace

Contact.loadFrom Method

Overload List

Name	Description
Contact.loadFrom (Element, XmlSerializationContext)	Loads contact data from an XML document.
Contact.loadFrom (JsonObject, JsonSerializationContext)	Loads the contact from a JSON object.

See Also

Contact Members
Contact Class
com.mindfusion.scheduling.model Namespace

Contact.loadFrom Method (Element, XmlSerializationContext)

Loads contact data from an XML document.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void loadFrom (
    Element element,
    XmlSerializationContext context
)
```

Parameters

element
Allows reading data from the XML document.

context
The context object contains the file format revision number of the schedule being loaded. It also provides methods that facilitate reading and writing various data types from and to the XML document.

See Also

loadFrom Method Overload List
Contact Members
Contact Class
com.mindfusion.scheduling.model Namespace

Contact.loadFrom Method (JsonObject, JsonSerializationContext)

Loads the contact from a JSON object.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void loadFrom (
    JsonObject obj,
    JsonSerializationContext context
)
```

Parameters

obj
A JsonObject containing the contact's data.

context
A JsonSerializationContext object providing contextual information about the serialization process and helper serialization methods.

See Also

loadFrom Method Overload List
Contact Members
Contact Class
com.mindfusion.scheduling.model Namespace

Contact.saveTo Method

Overload List

Name	Description
Contact.saveTo (Element, XmlSerializationContext)	Saves the contact data to an XML document.
Contact.saveTo (JsonObject, JsonSerializationContext)	Saves the contact as a JSON object.

See Also

Contact Members
Contact Class
com.mindfusion.scheduling.model Namespace

Contact.saveTo Method (Element, XmlSerializationContext)

Saves the contact data to an XML document.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void saveTo (
    Element element,
    XmlSerializationContext context
)
```

Parameters

element
Allows adding data to the XML document.

context
The context object contains the file format revision number of the schedule being loaded. It also provides methods that facilitate reading and writing various data types from and to the XML document.

See Also

saveTo Method Overload List
Contact Members
Contact Class
com.mindfusion.scheduling.model Namespace

Contact.saveTo Method (JsonObject, JsonSerializationContext)

Saves the contact as a JSON object.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void saveTo (
    JsonObject obj,
    JsonSerializationContext context
)
```

Parameters

obj
A JsonObject instance to contain the serialized data.

context
A JsonSerializationContext object providing contextual information about the serialization process and helper serialization methods.

See Also

saveTo Method Overload List
Contact Members
Contact Class
com.mindfusion.scheduling.model Namespace

Contact.setAddress Method

Sets the address of the contact.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setAddress (
    String value
)
```

Parameters

value
A string containing address information. The default is an empty string.

See Also

Contact Members
Contact Class
com.mindfusion.scheduling.model Namespace

Contact.setEmail Method

Sets the e-mail address of the contact.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setEmail (
    String value
)
```

Parameters

value
A string containing an e-mail address. The default is an empty string.

See Also

Contact Members
Contact Class
com.mindfusion.scheduling.model Namespace

Contact.setFirstName Method

Sets the first name of the contact.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setFirstName (
    String value
)
```

Parameters

value
A string containing the first name of a person. The default is an empty string.

See Also

Contact Members
Contact Class
com.mindfusion.scheduling.model Namespace

Contact.setLastName Method

Sets the last name of the contact.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public void setLastName (
    String value
)
```

Parameters

value
A string containing person's last name. The default is an empty string.

See Also

Contact Members
Contact Class
com.mindfusion.scheduling.model Namespace

Contact.setMiddleName Method

Sets the middle name of the contact.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public void setMiddleName (
    String value
)
```

Parameters

value
A string containing person's middle name. The default is an empty string.

See Also

Contact Members
Contact Class
com.mindfusion.scheduling.model Namespace

Contact.setPhone Method

Sets the phone of the contact.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
```

```
public void setPhone (
    String value
)
```

Parameters

value
A string containing a phone number. The default is an empty string.

See Also

Contact Members
Contact Class
com.mindfusion.scheduling.model Namespace

ContentType Enumeration

Specifies the type of file contents.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java
`public enum ContentType`

Members

	Member name	Description
	Json	Specifies that a file stores information in Json format.
	Xml	Specifies that a file stores information in XML format.

See Also

com.mindfusion.scheduling.model Namespace

CustomBrushes Class

Defines a pair of brushes to be used to paint alternating calendar elements.

Syntax

Java
`public class CustomBrushes`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.model.CustomBrushes

See Also

CustomBrushes Members
com.mindfusion.scheduling.model Namespace

CustomBrushes Members

Defines a pair of brushes to be used to paint alternating calendar elements.

The following tables list the members exposed by the CustomBrushes type.

Public Constructors

	Name	Description
	CustomBrushes	Initializes a new instance of the **CustomBrushes** class.

Public Methods

	Name	Description
	getPrimaryBrush	Gets the brush used to paint primary calendar elements.
	getSecondaryBrush	Gets the brush used to paint secondary calendar elements.
	setPrimaryBrush	Sets the brush used to paint primary calendar elements.
	setSecondaryBrush	Sets the brush used to paint secondary calendar elements.

See Also

CustomBrushes Class
com.mindfusion.scheduling.model Namespace

CustomBrushes Constructor

Initializes a new instance of the CustomBrushes class.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java
`public CustomBrushes ()`

See Also

CustomBrushes Class
com.mindfusion.scheduling.model Namespace

CustomBrushes Methods

CustomBrushes.getPrimaryBrush Method

Gets the brush used to paint primary calendar elements.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Brush getPrimaryBrush ()
```

Return Value

A Brush instance used to fill the interior of calendar UI elements. The default is **null**.

Remarks

What is painted with this brush depends on the current view and the context in which the CustomBrushes instance is used. For example, in timetable view contact's primary custom brush is used to paint the non-work time cells for the contact.

See Also

CustomBrushes Members
CustomBrushes Class
com.mindfusion.scheduling.model Namespace

CustomBrushes.getSecondaryBrush Method

Gets the brush used to paint secondary calendar elements.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Brush getSecondaryBrush ()
```

Return Value

A Brush instance used to fill the interior of calendar UI elements. The default is **null**.

Remarks

What is painted with this brush depends on the current view and the context in which the CustomBrushes instance is used. For example, in timetable view contact's secondary custom brush is used to paint the work time cells for the contact.

See Also

CustomBrushes Members
CustomBrushes Class
com.mindfusion.scheduling.model Namespace

CustomBrushes.setPrimaryBrush Method

Sets the brush used to paint primary calendar elements.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setPrimaryBrush (
    Brush value
)
```

Parameters

value
A Brush instance used to fill the interior of calendar UI elements. The default is **null**.

Remarks

What is painted with this brush depends on the current view and the context in which the CustomBrushes instance is used. For example, in timetable view contact's primary custom brush is used to paint the non-work time cells for the contact.

See Also

CustomBrushes Members
CustomBrushes Class
com.mindfusion.scheduling.model Namespace

CustomBrushes.setSecondaryBrush Method

Sets the brush used to paint secondary calendar elements.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setSecondaryBrush (
    Brush value
)
```

Parameters

value
A Brush instance used to fill the interior of calendar UI elements. The default is **null**.

Remarks

What is painted with this brush depends on the current view and the context in which the CustomBrushes instance is used. For example, in timetable view contact's secondary custom brush is used to paint the work time cells for the contact.

See Also

CustomBrushes Members
CustomBrushes Class
com.mindfusion.scheduling.model Namespace

DailyRecurrence Enumeration

Specifies how daily recurrence patterns are defined.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java
`public enum DailyRecurrence`

Members

	Member name	Description
	ByDayInterval	Repeats the item after every number of days specified in the Recurrence.getDays property.
	EveryWeekend	Repeats the item each Saturday and **Sunday**.
	EveryWorkday	Repeats the item each workday, **Monday** through **Friday**.

See Also

com.mindfusion.scheduling.model Namespace

DayOfWeekType Enumeration

Specifies the type of week days, used with **ByDayType** monthly and yearly recurrence patterns.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java
`public enum DayOfWeekType`

Members

	Member name	Description
	AnyDay	Indicates any day.
	Friday	Indicates Friday.

	Monday	Indicates **Monday**.
	Saturday	Indicates **Saturday**.
	Sunday	Indicates **Sunday**.
	Thursday	Indicates **Thursday**.
	Tuesday	Indicates **Tuesday**.
	Wednesday	Indicates **Wednesday**.
	Weekend	Indicates a weekend day.
	Workday	Indicates a workday.

See Also

com.mindfusion.scheduling.model Namespace

InstantiateItemEvent Class

Provides data for the ScheduleListener.instantiateItem event.

Syntax

Java

```
public class InstantiateItemEvent extends EventObject
```

Inheritance Hierarchy

java.lang.Object
  java.util.EventObject
    com.mindfusion.scheduling.model.InstantiateItemEvent

See Also

InstantiateItemEvent Members
com.mindfusion.scheduling.model Namespace

InstantiateItemEvent Members

Provides data for the ScheduleListener.instantiateItem event.

The following tables list the members exposed by the InstantiateItemEvent type.

Public Constructors

	Name	Description
	InstantiateItemEvent	Initializes a new instance of the **InstantiateItemEvent** class.

Public Methods

	Name	Description
	getClassId	Gets the class identifier of the item.
	getItem	Gets the newly created item.
	setItem	Sets the newly created item.

See Also

InstantiateItemEvent Class
com.mindfusion.scheduling.model Namespace

InstantiateItemEvent Constructor

Initializes a new instance of the InstantiateItemEvent class.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public InstantiateItemEvent (
    Object source,
    String classId
)
```

Parameters

source
The Schedule that raises this event.

classId
Class identifier of the item.

See Also

InstantiateItemEvent Class
com.mindfusion.scheduling.model Namespace

InstantiateItemEvent Methods

InstantiateItemEvent.getClassId Method

Gets the class identifier of the item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public String getClassId ()
```

Return Value

A string value representing the class identifier of the item, which should be created.

See Also

InstantiateItemEvent Members
InstantiateItemEvent Class
com.mindfusion.scheduling.model Namespace

InstantiateItemEvent.getItem Method

Gets the newly created item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Item getItem ()
```

Return Value

An instance of an Item-derived class.

See Also

InstantiateItemEvent Members
InstantiateItemEvent Class
com.mindfusion.scheduling.model Namespace

InstantiateItemEvent.setItem Method

Sets the newly created item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setItem (
    Item value
)
```

Parameters

value
An instance of an Item-derived class.

Remarks

Upon handling the ScheduleListener.instantiateItem event, you have to create an item of the appropriate type, as specified by getClassId, and assign it to this property.

See Also

InstantiateItemEvent Members
InstantiateItemEvent Class
com.mindfusion.scheduling.model Namespace

InstantiateResourceEvent Class

Provides data for the ScheduleListener.instantiateResource event.

Syntax

Java
`public class InstantiateResourceEvent extends EventObject`

Inheritance Hierarchy

java.lang.Object
  java.util.EventObject
    com.mindfusion.scheduling.model.InstantiateResourceEvent

See Also

InstantiateResourceEvent Members
com.mindfusion.scheduling.model Namespace

InstantiateResourceEvent Members

Provides data for the ScheduleListener.instantiateResource event.

The following tables list the members exposed by the InstantiateResourceEvent type.

Public Constructors

	Name	Description
	InstantiateResourceEvent	Initializes a new instance of the **InstantiateResourceEvent** class.

Public Methods

	Name	Description
	getClassId	Gets the class identifier of the resource.
	getResource	Gets the newly created resource.
	setResource	Sets the newly created resource.

See Also

InstantiateResourceEvent Class
com.mindfusion.scheduling.model Namespace

InstantiateResourceEvent Constructor

Initializes a new instance of the InstantiateResourceEvent class.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public InstantiateResourceEvent (
    Object source,
    String classId
)
```

Parameters

source
The Schedule that raises this event.

classId
Class identifier of the resource.

See Also

InstantiateResourceEvent Class
com.mindfusion.scheduling.model Namespace

InstantiateResourceEvent Methods

InstantiateResourceEvent.getClassId Method

Gets the class identifier of the resource.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public String getClassId ()
```

Return Value

A string value representing the class identifier of the resource, which should be created.

See Also

InstantiateResourceEvent Members
InstantiateResourceEvent Class
com.mindfusion.scheduling.model Namespace

InstantiateResourceEvent.getResource Method

Gets the newly created resource.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Resource getResource ()
```

Return Value

An instance of a Resource-derived class.

See Also

InstantiateResourceEvent Members
InstantiateResourceEvent Class
com.mindfusion.scheduling.model Namespace

InstantiateResourceEvent.setResource Method

Sets the newly created resource.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setResource (
    Resource value
)
```

Parameters

value
An instance of a Resource-derived class.

Remarks

Upon handling the ScheduleListener.instantiateResource event, you have to create a resource of the appropriate type, as specified by getClassId, and assign it to this property.

See Also

InstantiateResourceEvent Members
InstantiateResourceEvent Class
com.mindfusion.scheduling.model Namespace

Item Class

Represents events scheduled to occur at some point in time. It is derived by concrete classes such as Appointment.

Syntax

Java
`public abstract class Item implements Cloneable`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.model.Item
    com.mindfusion.scheduling.model.Appointment

See Also

Item Members
com.mindfusion.scheduling.model Namespace

Item Members

Represents events scheduled to occur at some point in time. It is derived by concrete classes such as Appointment.

The following tables list the members exposed by the Item type.

Protected Constructors

	Name	Description
	Item	Initializes a new instance of the **Item** class.

Public Methods

	Name	Description
	addItemListener	Adds a ItemListener to the item.
	clone	Creates a clone of this item.
	getAllDayEvent	Gets a value indicating whether the item represents an all day event.
	getAllowChangeEnd	Gets a value indicating whether users are allowed to change the item's end time.
	getAllowChangeStart	Gets a value indicating whether users are allowed to change the item's start time.
	getAllowMove	Gets a value indicating whether users are allowed to move the item.
	getContacts	Gets a list with all contacts associated with this item.

	getDescriptionText	Gets the description displayed for this item by scheduling controls.
	getEndTime	Gets the item's scheduled end time.
	getHeaderText	Gets the header text displayed for this item by scheduling controls.
	getId	Gets the string identifier of this item.
	getLocation	Gets the location associated with this item.
	getLocked	Gets a value indicating whether users are forbidden to modify this item.
	getOccurrenceIndex	Gets the index of a repeating occurrence of a recurring item.
	getPointedSelectedStyle	Gets the style associated with the item.
	getPointedStyle	Gets the style associated with the item.
	getPriority	Gets the priority of this item.
	getRecurrence	Gets the recurrence pattern of this item.
	getRecurrenceState	Gets the recurrence state of this item.
	getReminder	Gets the reminder for this item.
	getResources	Gets a list with all resources associated with this item.
	getSelectedStyle	Gets the selected style associated with the item.
	getStartTime	Gets the item's scheduled start time.
	getStyle	Gets a style associated with the item.
	getTag	Gets custom data associated with the item.
	getTask	Gets the task associated with this item.
	getVisible	Gets a flag indicating whether the item is visible or not.
	hashCode	Returns a hash code for this item.
	loadFrom	Overloaded.
	removeItemListener	Removes the specified **ItemListener** from the item.
	saveTo	Overloaded.
	setAllDayEvent	Sets a value indicating whether the item represents an all day event.
	setAllowChangeEnd	Sets a value indicating whether users are allowed to change the item's end time.
	setAllowChangeStart	Sets a value indicating whether users are allowed to change the item's start time.
	setAllowMove	Sets a value indicating whether users are allowed to move the item.
	setDescriptionText	Sets the description displayed for this item by scheduling controls.

	setEndTime	Sets the item's scheduled end time.
	setHeaderText	Sets the header text displayed for this item by scheduling controls.
	setId	Sets the string identifier of this item.
	setLocation	Sets the location associated with this item.
	setLocked	Sets a value indicating whether users are forbidden to modify this item.
	setPointedSelectedStyle	Sets the style associated with the item.
	setPointedStyle	Sets the style associated with the item.
	setPriority	Sets the priority of this item.
	setRecurrence	Sets the recurrence pattern of this item.
	setReminder	Sets the reminder for this item.
	setSelectedStyle	Sets the selected style associated with the item.
	setStartTime	Sets the item's scheduled start time.
	setStyle	Sets a style associated with the item.
	setTag	Sets custom data associated with the item.
	setTask	Sets the task associated with this item.
	setVisible	Sets a flag indicating whether the item is visible or not.

Protected Methods

	Name	Description
	copyOccurrence	Called by the recurrence whenever a new occurrence is being generated in order to populate the fields of the instance from the master item.
	createState	Creates an item state corresponding to the concrete type of this item.
	onVisualsChanged	Forces the item to be repainted.
	restoreState	Restores the state of this item.
	saveState	Saves the state of this item.

See Also

Item Class
com.mindfusion.scheduling.model Namespace

Item Constructor

Initializes a new instance of the Item class.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
protected Item ()
```

See Also

Item Class
com.mindfusion.scheduling.model Namespace

Item Methods

Item.addItemListener Method

Adds a ItemListener to the item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public void addItemListener (
    ItemListener listener
)
```

Parameters

listener
The ItemListener to be added.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.clone Method

Creates a clone of this item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public abstract Item clone ()
```

Return Value

A reference to the newly created item.

Remarks

The clone of a recurring item is not an occurrence but an ordinary item. Aside from this, the clone is an exact duplicate of the original item.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.copyOccurrence Method

Called by the recurrence whenever a new occurrence is being generated in order to populate the fields of the instance from the master item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
protected void copyOccurrence (
    Item master
)
```

Parameters

master
A reference to the master to copy from.

Remarks

This method is usually overridden in classes which derive from Item or Appointment in order to copy the custom fields from the master item to a particular occurrence. If the method is not overridden, the custom fields for all occurrences will have their default values and not the value of the master item.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.createState Method

Creates an item state corresponding to the concrete type of this item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
protected ItemState createState ()
```

Return Value

An instance of ItemState or a derived class.

Remarks

This method is used by the undo/redo system to create an ItemState-derived object that corresponds to the item class. Custom item classes must override **createState** in order to implement undo/redo support for any additional members they define. This method should be overridden together with saveState and restoreState.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.getAllDayEvent Method

Gets a value indicating whether the item represents an all day event.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public abstract boolean getAllDayEvent ()
```

Return Value

true if the item is an all day event; otherwise, **false**.

Remarks

All day event items are displayed in a special header area when the Calendar displays a timetable view.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.getAllowChangeEnd Method

Gets a value indicating whether users are allowed to change the item's end time.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public abstract boolean getAllowChangeEnd ()
```

Return Value

true if the item's end can be modified interactively; otherwise, **false**. The default is **true**.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.getAllowChangeStart Method

Gets a value indicating whether users are allowed to change the item's start time.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public abstract boolean getAllowChangeStart ()
```

Return Value

true if the item's start can be modified interactively; otherwise, **false**. The default is **true**.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.getAllowMove Method

Gets a value indicating whether users are allowed to move the item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public abstract boolean getAllowMove ()
```

Return Value

true if the item can be moved interactively; otherwise, **false**. The default is **true**.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.getContacts Method

Gets a list with all contacts associated with this item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public abstract ResourceList<Contact> getContacts ()
```

Return Value

An instance of the ResourceList class containing the Contact objects associated with the item.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.getDescriptionText Method

Gets the description displayed for this item by scheduling controls.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public abstract String getDescriptionText ()
```

Return Value

A string containing the description of this item.

Remarks

All classes that derive from Item must implement this property. Components such as Calendar display this text in the details area of an item visual representation.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.getEndTime Method

Gets the item's scheduled end time.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public abstract DateTime getEndTime ()
```

Return Value

A DateTime instance.

Remarks

This property specifies the last time cell occupied by the item in a Calendar component.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.getHeaderText Method

Gets the header text displayed for this item by scheduling controls.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public abstract String getHeaderText ()
```

Return Value

A string specifying the item's header text.

Remarks

Calendar components display this value in the header area of the box that represents an item.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.getId Method

Gets the string identifier of this item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public abstract String getId ()
```

Return Value

A string whose value uniquely identifies the item.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.getLocation Method

Gets the location associated with this item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public abstract Location getLocation ()
```

Return Value

An instance of the Location class.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.getLocked Method

Gets a value indicating whether users are forbidden to modify this item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public abstract boolean getLocked ()
```

Return Value

false if users are allowed to move the item thus changing its scheduled time; otherwise, **true**.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.getOccurrenceIndex Method

Gets the index of a repeating occurrence of a recurring item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public int getOccurrenceIndex ()
```

Return Value

An integer value identifying the index of an occurrence item within the recurrence array. If the item is not recurring, this property returns -1.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.getPointedSelectedStyle Method

Gets the style associated with the item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public abstract Style getPointedSelectedStyle ()
```

Return Value

An instance of the Style class that defines the appearance of the item.

Remarks

This style is applied to the item when it is pointed with the mouse and selected at the same time. This property is ignored and getSelectedStyle is used instead of it when ItemSettings.getUseExtendedStyles is set to **false**.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.getPointedStyle Method

Gets the style associated with the item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public abstract Style getPointedStyle ()
```

Return Value

A Style object that defines the appearance of the appointment.

Remarks

This style is applied to the item when it is pointed with the mouse. This property is ignored and getStyle is used instead of it when ItemSettings.getUseExtendedStyles is set to **false**.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.getPriority Method

Gets the priority of this item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public int getPriority ()
```

Return Value

An integer value, specifying the item's priority.

Remarks

Items with higher priority have a better chance to be displayed prior items with lower priority. If two items start and end at the same time, the item with higher **getPriority** will be displayed before the item with lower **getPriority**. In other words, this property gives you control over the order of the items.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.getRecurrence Method

Gets the recurrence pattern of this item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Recurrence getRecurrence ()
```

Return Value

An instance of the Recurrence class. The default is **null**.

Remarks

If this property is set, the item becomes a recurring event and the **Calendar** component displays multiple occurrences of the item. To detach a previously set recurrence from an item, set this property to **null**.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.getRecurrenceState Method

Gets the recurrence state of this item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public RecurrenceState getRecurrenceState ()
```

Return Value

One of the RecurrenceState constants.

Remarks

Events raised by the Calendar component could pass as an argument an occurrence or an exception of a recurring item. This property lets you determine the exact state of the item's recurrence state.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.getReminder Method

Gets the reminder for this item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public abstract Reminder getReminder ()
```

Return Value

An instance of the Reminder class.

Remarks

If the reminder type is ReminderType.Exact, the ScheduleListener.itemReminderTriggered event is raised at the time set in the reminder's Reminder.getTime property. If the reminder type is ReminderType.Leading, the **ScheduleListener.itemReminderTriggered** event is raised certain amount of time prior to the item's getStartTime, as specified in the reminder's Reminder.getTimeInterval property.

Note: Recurring items cannot have leading reminders.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.getResources Method

Gets a list with all resources associated with this item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public abstract ResourceList<Resource> getResources ()
```

Return Value

An instance of the ResourceList class containing the resources associated with this item.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.getSelectedStyle Method

Gets the selected style associated with the item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public abstract Style getSelectedStyle ()
```

Return Value

A Style object that defines the appearance of the item.

Remarks

This style is applied to the item when it is selected.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.getStartTime Method

Gets the item's scheduled start time.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public abstract DateTime getStartTime ()
```

Return Value

A DateTime instance specifying the scheduled time for the item.

Remarks

This property affects the initial time cell occupied by the item when it is displayed in a Calendar component.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.getStyle Method

Gets a style associated with the item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public abstract Style getStyle ()
```

Return Value

A Style object that defines the appearance of the item.

Remarks

This style is applied to the item when it is neither pointed with the mouse nor selected.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.getTag Method

Gets custom data associated with the item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public abstract Object getTag ()
```

Return Value

An instance of any class derived from **Object**.

Remarks

Use this property to store your custom data.

See Also

Item Members
Item Class

Item.getTask Method

Gets the task associated with this item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public abstract Task getTask ()
```

Return Value

An instance of the Task class.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.getVisible Method

Gets a flag indicating whether the item is visible or not.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public abstract boolean getVisible ()
```

Return Value

true if the item is visible; otherwise, **false**. The default is **true**.

Remarks

Invisible items are not drawn at all. You could use this property to hide an item temporarily, or to store additional data in a helper item object that always stays invisible.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.hashCode Method

Returns a hash code for this item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java
`public int hashCode ()`

Return Value

A hash code for the current item.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.loadFrom Method

Overload List

Name	Description
Item.loadFrom (Element, XmlSerializationContext)	Loads item data from an XML document.
Item.loadFrom (JsonObject, JsonSerializationContext)	Loads the item from a JSON object.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.loadFrom Method (Element, XmlSerializationContext)

Loads item data from an XML document.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

`public void loadFrom (`
`  Element element,`
`  XmlSerializationContext context`
`)`

Parameters

element
Allows reading data from the XML document.

context
The context object contains the file format revision number of the schedule being loaded. It also provides methods that facilitate reading and writing various data types from and to the XML document.

See Also

loadFrom Method Overload List
Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.loadFrom Method (JsonObject, JsonSerializationContext)

Loads the item from a JSON object.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void loadFrom (
    JsonObject obj,
    JsonSerializationContext context
)
```

Parameters

obj
A JsonObject containing the item's data.

context
A JsonSerializationContext object providing contextual information about the serialization process and helper serialization methods.

See Also

loadFrom Method Overload List
Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.onVisualsChanged Method

Forces the item to be repainted.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
protected void onVisualsChanged ()
```

Remarks

Call this method from within your derived classes when the appearance of the item has been changed.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.removeItemListener Method

Removes the specified ItemListener from the item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void removeItemListener (
    ItemListener listener
)
```

Parameters

listener
The listener to be removed.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.restoreState Method

Restores the state of this item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
protected void restoreState (
    ItemState state
)
```

Parameters

state
An ItemState that represents previous state of the item.

Remarks

This method is used by the undo/redo system to restore an item to a previous state. Custom item classes must override **restoreState** in order to implement undo/redo support for any additional members they define. This method should be overridden together with createState and saveState.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.saveState Method

Saves the state of this item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java
`protected ItemState saveState ()`

Return Value

An ItemState that represents the current state of the item.

Remarks

This method is used by the undo/redo system to save the state of an item. Custom item classes must override **saveState** in order to implement undo/redo support for any additional members they define. This method should be overridden together with createState and restoreState.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.saveTo Method

Overload List

Name	Description
Item.saveTo (Element, XmlSerializationContext)	Saves the item data to an XML document.
Item.saveTo (JsonObject, JsonSerializationContext)	Saves the item as a JSON object.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.saveTo Method (Element, XmlSerializationContext)

Saves the item data to an XML document.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void saveTo (
    Element element,
    XmlSerializationContext context
)
```

Parameters

element
Allows adding data to the XML document.

context
The context object contains the file format revision number of the schedule being loaded. It also provides methods that facilitate reading and writing various data types from and to the XML document.

See Also

saveTo Method Overload List
Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.saveTo Method (JsonObject, JsonSerializationContext)

Saves the item as a JSON object.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void saveTo (
    JsonObject obj,
    JsonSerializationContext context
)
```

Parameters

obj

A JsonObject instance to contain the serialized data.

context
A JsonSerializationContext object providing contextual information about the serialization process and helper serialization methods.

See Also

saveTo Method Overload List
Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.setAllDayEvent Method

Sets a value indicating whether the item represents an all day event.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public abstract void setAllDayEvent (
    boolean value
)
```

Parameters

value
true if the item is an all day event; otherwise, **false**.

Remarks

All day event items are displayed in a special header area when the Calendar displays a timetable view.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.setAllowChangeEnd Method

Sets a value indicating whether users are allowed to change the item's end time.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public abstract void setAllowChangeEnd (
    boolean value
)
```

Parameters

value
true if the item's end can be modified interactively; otherwise, **false**. The default is **true**.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.setAllowChangeStart Method

Sets a value indicating whether users are allowed to change the item's start time.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public abstract void setAllowChangeStart (
    boolean value
)
```

Parameters

value
true if the item's start can be modified interactively; otherwise, **false**. The default is **true**.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.setAllowMove Method

Sets a value indicating whether users are allowed to move the item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public abstract void setAllowMove (
    boolean value
)
```

Parameters

value
true if the item can be moved interactively; otherwise, **false**. The default is **true**.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.setDescriptionText Method

Sets the description displayed for this item by scheduling controls.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public abstract void setDescriptionText (
    String value
)
```

Parameters

value
A string containing the description of this item.

Remarks

All classes that derive from Item must implement this property. Components such as Calendar display this text in the details area of an item visual representation.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.setEndTime Method

Sets the item's scheduled end time.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public abstract void setEndTime (
    DateTime value
)
```

Parameters

value
A DateTime instance.

Remarks

This property specifies the last time cell occupied by the item in a Calendar component.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.setHeaderText Method

Sets the header text displayed for this item by scheduling controls.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public abstract void setHeaderText (
    String value
)
```

Parameters

value
A string specifying the item's header text.

Remarks

Calendar components display this value in the header area of the box that represents an item.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.setId Method

Sets the string identifier of this item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public abstract void setId (
    String value
)
```

Parameters

value
A string whose value uniquely identifies the item.

Remarks

If you need to change its value, make sure the identifier is always unique.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.setLocation Method

Sets the location associated with this item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public abstract void setLocation (
    Location value
)
```

Parameters

value
An instance of the Location class.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.setLocked Method

Sets a value indicating whether users are forbidden to modify this item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public abstract void setLocked (
    boolean value
)
```

Parameters

value

false if users are allowed to move the item thus changing its scheduled time; otherwise, **true**.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.setPointedSelectedStyle Method

Sets the style associated with the item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public abstract void setPointedSelectedStyle (
    Style value
)
```

Parameters

value
An instance of the Style class that defines the appearance of the item.

Remarks

This style is applied to the item when it is pointed with the mouse and selected at the same time. This property is ignored and getSelectedStyle is used instead of it when ItemSettings.getUseExtendedStyles is set to **false**.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.setPointedStyle Method

Sets the style associated with the item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public abstract void setPointedStyle (
    Style value
)
```

Parameters

value
A Style object that defines the appearance of the appointment.

Remarks

This style is applied to the item when it is pointed with the mouse. This property is ignored and getStyle is used instead of it when ItemSettings.getUseExtendedStyles is set to **false**.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.setPriority Method

Sets the priority of this item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setPriority (
    int value
)
```

Parameters

value
An integer value, specifying the item's priority.

Remarks

Items with higher priority have a better chance to be displayed prior items with lower priority. If two items start and end at the same time, the item with higher getPriority will be displayed before the item with lower **getPriority**. In other words, this property gives you control over the order of the items.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.setRecurrence Method

Sets the recurrence pattern of this item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setRecurrence (
    Recurrence value
)
```

Parameters

value
An instance of the Recurrence class. The default is **null**.

Remarks

If this property is set, the item becomes a recurring event and the **Calendar** component displays multiple occurrences of the item. To detach a previously set recurrence from an item, set this property to **null**.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.setReminder Method

Sets the reminder for this item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public abstract void setReminder (
    Reminder value
)
```

Parameters

value
An instance of the Reminder class.

Remarks

If the reminder type is ReminderType.Exact, the ScheduleListener.itemReminderTriggered event is raised at the time set in the reminder's Reminder.getTime property. If the reminder type is ReminderType.Leading, the **ScheduleListener.itemReminderTriggered** event is raised certain amount of time prior to the item's getStartTime, as specified in the reminder's Reminder.getTimeInterval property.

Note: Recurring items cannot have leading reminders.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.setSelectedStyle Method

Sets the selected style associated with the item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public abstract void setSelectedStyle (
    Style value
)
```

Parameters

value
A Style object that defines the appearance of the item.

Remarks

This style is applied to the item when it is selected.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.setStartTime Method

Sets the item's scheduled start time.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public abstract void setStartTime (
    DateTime value
)
```

Parameters

value
A DateTime instance specifying the scheduled time for the item.

Remarks

This property affects the initial time cell occupied by the item when it is displayed in a Calendar component.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.setStyle Method

Sets a style associated with the item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public abstract void setStyle (
    Style value
)
```

Parameters

value
A Style object that defines the appearance of the item.

Remarks

This style is applied to the item when it is neither pointed with the mouse nor selected.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.setTag Method

Sets custom data associated with the item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public abstract void setTag (
    Object value
)
```

Parameters

value
An instance of any class derived from **Object**.

Remarks

Use this property to store your custom data.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.setTask Method

Sets the task associated with this item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public abstract void setTask (
    Task value
)
```

Parameters

value
An instance of the Task class.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

Item.setVisible Method

Sets a flag indicating whether the item is visible or not.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public abstract void setVisible (
    boolean value
)
```

Parameters

value
true if the item is visible; otherwise, **false**. The default is **true**.

Remarks

Invisible items are not drawn at all. You could use this property to hide an item temporarily, or to store additional data in a helper item object that always stays invisible.

See Also

Item Members
Item Class
com.mindfusion.scheduling.model Namespace

ItemAdapter Class

Provides empty implementations for the methods defined in the ItemListener interface. This lets you override only the handlers for the events you are interested in, instead of implementing all methods of **ItemListener**.

Syntax

Java
`public class ItemAdapter implements ItemListener`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.model.ItemAdapter

See Also

ItemAdapter Members
com.mindfusion.scheduling.model Namespace

ItemAdapter Members

Provides empty implementations for the methods defined in the ItemListener interface. This lets you override only the handlers for the events you are interested in, instead of implementing all methods of **ItemListener**.

The following tables list the members exposed by the ItemAdapter type.

Public Constructors

	Name	Description
	ItemAdapter	Initializes a new instance of the **ItemAdapter** class.

Public Methods

	Name	Description
	endTimeChanged	Raised when the end time of the item has been changed.
	recurrenceReset	Raised when the recurrence pattern associated with the item has been reset.
	resourceChanged	Raised when any of the item's associated resources have changed.
	startTimeChanged	Raised when the start time of the item has been changed.

	visualsChanged	Raised when a visual aspect of the item has been changed.

See Also

ItemAdapter Class
com.mindfusion.scheduling.model Namespace

ItemAdapter Constructor

Initializes a new instance of the ItemAdapter class.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public ItemAdapter ()
```

See Also

ItemAdapter Class
com.mindfusion.scheduling.model Namespace

ItemAdapter Methods

ItemAdapter.endTimeChanged Method

Raised when the end time of the item has been changed.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void endTimeChanged (
    ItemTimeEvent e
)
```

Parameters

e
A ItemTimeEvent object.

See Also

ItemAdapter Members
ItemAdapter Class
com.mindfusion.scheduling.model Namespace

ItemAdapter.recurrenceReset Method

Raised when the recurrence pattern associated with the item has been reset.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void recurrenceReset (
    EventObject e
)
```

Parameters

e
An **EventObject** object.

See Also

ItemAdapter Members
ItemAdapter Class
com.mindfusion.scheduling.model Namespace

ItemAdapter.resourceChanged Method

Raised when any of the item's associated resources have changed.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void resourceChanged (
    EventObject e
)
```

Parameters

e
An **EventObject** object.

See Also

ItemAdapter Members
ItemAdapter Class
com.mindfusion.scheduling.model Namespace

ItemAdapter.startTimeChanged Method

Raised when the start time of the item has been changed.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public void startTimeChanged (
    ItemTimeEvent e
)
```

Parameters

e
An ItemTimeEvent object.

See Also

ItemAdapter Members
ItemAdapter Class
com.mindfusion.scheduling.model Namespace

ItemAdapter.visualsChanged Method

Raised when a visual aspect of the item has been changed.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public void visualsChanged (
    EventObject e
)
```

Parameters

e
An **EventObject** object.

See Also

ItemAdapter Members
ItemAdapter Class
com.mindfusion.scheduling.model Namespace

ItemEvent Class

Contains the arguments passed to handlers of item related events.

Syntax

```
Java
public class ItemEvent extends EventObject
```

Inheritance Hierarchy

java.lang.Object
  java.util.EventObject
    com.mindfusion.scheduling.model.ItemEvent
      com.mindfusion.scheduling.ItemConfirmEvent
      com.mindfusion.scheduling.ItemListLaneChangedEvent
      com.mindfusion.scheduling.ItemModifiedEvent
      com.mindfusion.scheduling.ItemMouseEvent
      com.mindfusion.scheduling.ItemSelectionEvent
      com.mindfusion.scheduling.ItemTooltipEvent
      com.mindfusion.scheduling.RecurringItemConfirmEvent
      com.mindfusion.scheduling.model.ItemTimeEvent

See Also

ItemEvent Members
com.mindfusion.scheduling.model Namespace

ItemEvent Members

Contains the arguments passed to handlers of item related events.

The following tables list the members exposed by the ItemEvent type.

Public Constructors

	Name	Description
	ItemEvent	Initializes a new instance of the **ItemEvent** class.

Public Methods

	Name	Description
	getItem	Gets the item related to the event.

See Also

ItemEvent Class
com.mindfusion.scheduling.model Namespace

ItemEvent Constructor

Initializes a new instance of the ItemEvent class.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public ItemEvent (
    Object source,
```

```
    Item item
)
```

Parameters

source
The Schedule that raises this event.

item
The Item instance for which the event is raised.

See Also

ItemEvent Class
com.mindfusion.scheduling.model Namespace

ItemEvent Methods

ItemEvent.getItem Method

Gets the item related to the event.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Item getItem ()
```

Return Value

An instance of the Item class.

See Also

ItemEvent Members
ItemEvent Class
com.mindfusion.scheduling.model Namespace

ItemList Class

Represents a strongly-typed list of Item objects.

Syntax

Java

```
public class ItemList extends BaseList<E>
```

Inheritance Hierarchy

java.lang.Object
  java.util.AbstractCollection(E)

java.util.AbstractList(E)
com.mindfusion.common.BaseList(E)
com.mindfusion.scheduling.model.ItemList

See Also

ItemList Members
com.mindfusion.scheduling.model Namespace

ItemList Members

Represents a strongly-typed list of Item objects.

The following tables list the members exposed by the ItemList type.

Public Constructors

	Name	Description
	ItemList	Initializes a new instance of the **ItemList** class.

Public Methods

	Name	Description
	add	Overloaded. (Inherited from BaseList.)
	addBaseListListener	Adds a BaseListListener to the list. (Inherited from BaseList.)
	clear	Removes all elements from the list. (Inherited from BaseList.)
	contains	Determines whether this list contains an item identified by the specified string.
	first	Gets the first element of this list. (Inherited from BaseList.)
	get	Gets the item identified by the specified string.
	get	Returns the element at the specified position in the list. (Inherited from BaseList.)
	last	Gets the last element of this list. (Inherited from BaseList.)
	readExternal	(Inherited from BaseList.)
	remove	Overloaded. (Inherited from BaseList.)
	removeBaseListListener	Removes the specified **BaseListListener** from the list. (Inherited from BaseList.)
	set	Replaces the element at the specified position in this list with the specified element. (Inherited from BaseList.)
	size	Returns the number of elements in the list. (Inherited from BaseList.)
	writeExternal	(Inherited from BaseList.)

See Also

ItemList Class
com.mindfusion.scheduling.model Namespace

ItemList Constructor

Initializes a new instance of the ItemList class.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public ItemList ()
```

See Also

ItemList Class
com.mindfusion.scheduling.model Namespace

ItemList Methods

ItemList.contains Method

Determines whether this list contains an item identified by the specified string.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public boolean contains (
    String id
)
```

Parameters

id
The identifier of an item to search for in the list.

Return Value

true if the object is found or **false** if it isn't.

See Also

ItemList Members
ItemList Class
com.mindfusion.scheduling.model Namespace

ItemList.get Method

Gets the item identified by the specified string.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Item get (
    String id
)
```

Parameters

id
The Item.getId of the Item to get.

Return Value

The **Item** instance identified by the specified string.

See Also

ItemList Members
ItemList Class
com.mindfusion.scheduling.model Namespace

ItemListener Interface

Defines the events raised by the Item class.

Syntax

Java

```
public interface ItemListener extends EventListener
```

Inheritors

com.mindfusion.scheduling.model.ItemAdapter

See Also

ItemListener Members
com.mindfusion.scheduling.model Namespace

ItemListener Members

Defines the events raised by the Item class.

The following tables list the members exposed by the ItemListener type.

Public Methods

	Name	Description
	endTimeChanged	Raised when the end time of the item has been changed.
	recurrenceReset	Raised when the recurrence pattern associated with the item has been reset.
	resourceChanged	Raised when any of the item's associated resources have changed.
	startTimeChanged	Raised when the start time of the item has been changed.
	visualsChanged	Raised when a visual aspect of the item has been changed.

See Also

ItemListener Interface
com.mindfusion.scheduling.model Namespace

ItemListener Methods

ItemListener.endTimeChanged Method

Raised when the end time of the item has been changed.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
void endTimeChanged (
    ItemTimeEvent e
)
```

Parameters

e
An ItemTimeEvent object.

See Also

ItemListener Members
ItemListener Interface
com.mindfusion.scheduling.model Namespace

ItemListener.recurrenceReset Method

Raised when the recurrence pattern associated with the item has been reset.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
void recurrenceReset (
    EventObject e
)
```

Parameters

e
An **EventObject** object.

See Also

ItemListener Members
ItemListener Interface
com.mindfusion.scheduling.model Namespace

ItemListener.resourceChanged Method

Raised when any of the item's associated resources have changed.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
void resourceChanged (
    EventObject e
)
```

Parameters

e
An **EventObject** object.

See Also

ItemListener Members
ItemListener Interface
com.mindfusion.scheduling.model Namespace

ItemListener.startTimeChanged Method

Raised when the start time of the item has been changed.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
void startTimeChanged (
    ItemTimeEvent e
)
```

Parameters

e
An ItemTimeEvent object.

See Also

ItemListener Members
ItemListener Interface
com.mindfusion.scheduling.model Namespace

ItemListener.visualsChanged Method

Raised when a visual aspect of the item has been changed.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
void visualsChanged (
    EventObject e
)
```

Parameters

e
An **EventObject** object.

See Also

ItemListener Members
ItemListener Interface
com.mindfusion.scheduling.model Namespace

ItemState Class

Encapsulates the state of an Item instance.

Syntax

Java

```
public class ItemState
```

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.model.ItemState

See Also

ItemState Members
com.mindfusion.scheduling.model Namespace

ItemState Members

Encapsulates the state of an Item instance.

The following tables list the members exposed by the ItemState type.

Public Constructors

	Name	Description
	ItemState	Initializes a new instance of the **ItemState** class.

Public Methods

	Name	Description
	equals	Indicates whether the current state is equal to the specified state.

See Also

ItemState Class
com.mindfusion.scheduling.model Namespace

ItemState Constructor

Initializes a new instance of the ItemState class.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java
`public ItemState ()`

See Also

ItemState Class
com.mindfusion.scheduling.model Namespace

ItemState Methods

ItemState.equals Method

Indicates whether the current state is equal to the specified state.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public boolean equals (
    Object obj
)
```

Parameters

obj
The state to compare with this object.

Return Value

true, if the current object is equal to the other parameter; otherwise, **false**.

See Also

ItemState Members
ItemState Class
com.mindfusion.scheduling.model Namespace

ItemTimeEvent Class

Contains the arguments passed to handlers of time related events.

Syntax

```
Java
public class ItemTimeEvent extends ItemEvent
```

Inheritance Hierarchy

java.lang.Object
  java.util.EventObject
    com.mindfusion.scheduling.model.ItemEvent
      com.mindfusion.scheduling.model.ItemTimeEvent

See Also

ItemTimeEvent Members
com.mindfusion.scheduling.model Namespace

ItemTimeEvent Members

Contains the arguments passed to handlers of time related events.

The following tables list the members exposed by the ItemTimeEvent type.

Public Constructors

	Name	Description

	ItemTimeEvent	Initializes a new instance of the ItemTimeEvent class.

Public Methods

	Name	Description
	getItem	Gets the item related to the event. (Inherited from ItemEvent.)
	getTime	Gets the old value of the time property whose change caused the event to occur.

See Also

ItemTimeEvent Class
com.mindfusion.scheduling.model Namespace

ItemTimeEvent Constructor

Initializes a new instance of the ItemTimeEvent class.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public ItemTimeEvent (
    Object source,
    Item item,
    DateTime time
)
```

Parameters

source
The Schedule that raises this event.

item
The Item instance for which the event is raised.

time
The old value of the property that has been changed.

See Also

ItemTimeEvent Class
com.mindfusion.scheduling.model Namespace

ItemTimeEvent Methods

ItemTimeEvent.getTime Method

Gets the old value of the time property whose change caused the event to occur.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java
`public DateTime getTime ()`

Return Value

An instance of the DateTime class.

See Also

ItemTimeEvent Members
ItemTimeEvent Class
com.mindfusion.scheduling.model Namespace

JsonSerializationContext Class

Syntax

Java
`public class JsonSerializationContext extends JsonContext`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.common.JsonContext
    com.mindfusion.scheduling.model.JsonSerializationContext

See Also

JsonSerializationContext Members
com.mindfusion.scheduling.model Namespace

JsonSerializationContext Members

The following tables list the members exposed by the JsonSerializationContext type.

Public Constructors

	Name	Description
	JsonSerializationContext	Initializes a new instance of the JsonSerializationContext class.

Public Fields

	Name	Description

	completed	
S	LatestFormat	

Protected Fields

	Name	Description
	brushes	(Inherited from JsonContext.)
	inplaceImages	(Inherited from JsonContext.)
	inplaceResources	(Inherited from JsonContext.)

Public Methods

	Name	Description
	getFileVersion	
	getSchedule	
	isInplaceImages	
	parse	Deserializes the specified JSON formatted string to a JsonObject. (Inherited from JsonContext.)
	readBrush	Overloaded. (Inherited from JsonContext.)
	readBrushColor	Reads a Brush object with the specified color. (Inherited from JsonContext.)
	readBrushes	Reads all brushes. (Inherited from JsonContext.)
	readColor	Overloaded. (Inherited from JsonContext.)
	readCustomBrushes	
	readDate	
	readEnum	Reads an enum value. (Inherited from JsonContext.)
S	readFile	Reads json file (Inherited from JsonContext.)
	readFont	Overloaded. (Inherited from JsonContext.)
	readImage	Reads an Image object. (Inherited from JsonContext.)
	readImages	Reads all images. (Inherited from JsonContext.)
	readObject	(Inherited from JsonContext.)
	readPen	Overloaded. (Inherited from JsonContext.)
	readPointF	Reads a **Point2D.Float** object. (Inherited from JsonContext.)
	readPointString	Reads a list of points. (Inherited from JsonContext.)
	readRectangleF	Reads a Rectangle2D.Float object. (Inherited from JsonContext.)

	readSizeF	read the SizeF object (Inherited from JsonContext.)
	readStringFormat	Reads a StringFormat object. (Inherited from JsonContext.)
	readStyle	
	readTag	Reads the specified tag for the specified object.
	serialize	Serializes the specified JsonObject to a JSON formatted string. (Inherited from JsonContext.)
	setFileVersion	
	setInplaceImages	
	writeBrush	Writes a MindFusion.Drawing.Brush object. (Inherited from JsonContext.)
	writeBrushColor	Writes the color of the specified brush. (Inherited from JsonContext.)
	writeBrushes	Writes all currently accumulated brushes. (Inherited from JsonContext.)
	writeColor	
	writeCustomBrushes	Writes the specified CustomBrushes object.
	writeEnum	Writes an enum value. (Inherited from JsonContext.)
S	writeFile	Writes serialized json to file. (Inherited from JsonContext.)
	writeFont	Writes a Font object. (Inherited from JsonContext.)
	writeImage	Writes an Image object. (Inherited from JsonContext.)
	writeImages	Writes all currently accumulated images. (Inherited from JsonContext.)
	writeObject	(Inherited from JsonContext.)
	writePen	Writes a MindFusion.Drawing.Pen object. (Inherited from JsonContext.)
	writePointF	Writes a PointF object. (Inherited from JsonContext.)
	writePointString	Writes a Point string. (Inherited from JsonContext.)
	writeRectangleF	Writes a RectangleF object. (Inherited from JsonContext.)
	writeSizeF	Writes a sizeF object (Inherited from JsonContext.)
	writeStringFormat	Writes a StringFormat object. (Inherited from JsonContext.)
	writeStyle	Writes the specified Style object.
	writeTag	Writes the specified tag of the specified object.

Protected Methods

	Name	Description
S	Base64Decode	(Inherited from JsonContext.)

	base64Encode	(Inherited from JsonContext.)
	toCamelCase	(Inherited from JsonContext.)
	toPascalCase	(Inherited from JsonContext.)

See Also

JsonSerializationContext Class
com.mindfusion.scheduling.model Namespace

JsonSerializationContext Fields

JsonSerializationContext.completed Field

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public EventObject completed
```

See Also

JsonSerializationContext Members
JsonSerializationContext Class
com.mindfusion.scheduling.model Namespace

JsonSerializationContext.LatestFormat Field

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public static int LatestFormat
```

See Also

JsonSerializationContext Members
JsonSerializationContext Class
com.mindfusion.scheduling.model Namespace

JsonSerializationContext Constructor

Initializes a new instance of the JsonSerializationContext class.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public JsonSerializationContext (
    Schedule schedule,
    int fileVersion
)
```

Parameters

schedule
The Schedule that will be serialized or deserialized.

fileVersion
Specifies the current file format number.

See Also

JsonSerializationContext Class
com.mindfusion.scheduling.model Namespace

JsonSerializationContext Methods

JsonSerializationContext.getFileVersion Method

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public int getFileVersion ()
```

Return Value

See Also

JsonSerializationContext Members
JsonSerializationContext Class
com.mindfusion.scheduling.model Namespace

JsonSerializationContext.getSchedule Method

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
```

```
public Schedule getSchedule ()
```

Return Value

See Also

JsonSerializationContext Members
JsonSerializationContext Class
com.mindfusion.scheduling.model Namespace

JsonSerializationContext.isInplaceImages Method

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public boolean isInplaceImages ()
```

Return Value

See Also

JsonSerializationContext Members
JsonSerializationContext Class
com.mindfusion.scheduling.model Namespace

JsonSerializationContext.readCustomBrushes Method

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public CustomBrushes readCustomBrushes (
    JsonValue value
)
```

Parameters

value

Return Value

See Also

JsonSerializationContext Members
JsonSerializationContext Class
com.mindfusion.scheduling.model Namespace

JsonSerializationContext.readDate Method

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public DateTime readDate (
    JsonValue value
)
```

Parameters

value

Return Value

See Also

JsonSerializationContext Members
JsonSerializationContext Class
com.mindfusion.scheduling.model Namespace

JsonSerializationContext.readStyle Method

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Style readStyle (
    JsonValue value
)
```

Parameters

value

Return Value

See Also

JsonSerializationContext Members
JsonSerializationContext Class
com.mindfusion.scheduling.model Namespace

JsonSerializationContext.readTag Method

Reads the specified tag for the specified object.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Object readTag (
    Object item,
    JsonValue tagValue,
    String propertyName
)
```

Parameters

item
item

tagValue
value

propertyName
name

Return Value

tag object

See Also

JsonSerializationContext Members
JsonSerializationContext Class
com.mindfusion.scheduling.model Namespace

JsonSerializationContext.setFileVersion Method

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setFileVersion (
    int fileVersion
)
```

Parameters

fileVersion

See Also

JsonSerializationContext Members
JsonSerializationContext Class
com.mindfusion.scheduling.model Namespace

JsonSerializationContext.setInplaceImages Method

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java

public void setInplaceImages (
    boolean inplaceImages
)
```

Parameters

inplaceImages

See Also

JsonSerializationContext Members
JsonSerializationContext Class
com.mindfusion.scheduling.model Namespace

JsonSerializationContext.writeColor Method

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java

public JsonValue writeColor (
    Color color
)
```

Parameters

color

Return Value

JsonValue

See Also

JsonSerializationContext Members
JsonSerializationContext Class
com.mindfusion.scheduling.model Namespace

JsonSerializationContext.writeCustomBrushes Method

Writes the specified CustomBrushes object.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public JsonObject writeCustomBrushes (
    CustomBrushes customBrushes
)
```

Parameters

customBrushes
The CustomBrushes object to write.

Return Value

An instance of the JsonObject class representing the newly created Json element.

See Also

JsonSerializationContext Members
JsonSerializationContext Class
com.mindfusion.scheduling.model Namespace

JsonSerializationContext.writeStyle Method

Writes the specified Style object.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public JsonObject writeStyle (
    Style style
)
```

Parameters

style
The Style object to write.

Return Value

An instance of the JsonObject class representing the newly created JsonObject.

See Also

JsonSerializationContext Members
JsonSerializationContext Class
com.mindfusion.scheduling.model Namespace

JsonSerializationContext.writeTag Method

Writes the specified tag of the specified object.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public JsonValue writeTag (
    Object item,
    Object tagValue,
    String propertyName
)
```

Parameters

item
item The Item whose tag is being serialized.

tagValue
The tag object to write.

propertyName
The name of the element under which the value should be written.

Return Value

An instance of the JsonValue

See Also

JsonSerializationContext Members
JsonSerializationContext Class
com.mindfusion.scheduling.model Namespace

JsonSerializeTagEvent Class

Contains the arguments passed to the jsonSerializeTag and jsonDeserializeTag event handlers.

Syntax

Java

```
public class JsonSerializeTagEvent extends EventObject
```

Inheritance Hierarchy

java.lang.Object
  java.util.EventObject
    com.mindfusion.scheduling.model.JsonSerializeTagEvent

See Also

JsonSerializeTagEvent Members
com.mindfusion.scheduling.model Namespace

JsonSerializeTagEvent Members

Contains the arguments passed to the jsonSerializeTag and jsonDeserializeTag event handlers.

The following tables list the members exposed by the JsonSerializeTagEvent type.

Public Constructors

	Name	Description
	JsonSerializeTagEvent	Initializes a new instance of the **JsonSerializeTagEvent** class.

Public Methods

	Name	Description
	getContext	
	getObject	Gets the Item or Resource whose tag is being serialized or deserialized.
	getRepresentation	Gets the JsonObject, representing the tag object
	getTag	Gets the tag object being serialized or deserialized.
	isHandled	Gets a value indicating whether the event is handled.
	setHandled	Sets a value indicating whether the event is handled. Always set this flag to true if you perform custom tag serialization.
	setRepresentation	Sets the JsonObject, representing the tag object
	setTag	Sets the tag object being serialized or deserialized.

See Also

JsonSerializeTagEvent Class
com.mindfusion.scheduling.model Namespace

JsonSerializeTagEvent Constructor

Initializes a new instance of the JsonSerializeTagEvent class.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public JsonSerializeTagEvent (
    Object source,
    Object item,
    Object tag,
    JsonObject obj,
    JsonSerializationContext context
)
```

Parameters

source
The Schedule that raises this event.

item
Item or Resource whose tag is being serialized or deserialized.

tag
The tag object being serialized or deserialized.

obj
A JsonObject instance representing the tag data.

context
A helper object providing serialization methods for various data types.

See Also

JsonSerializeTagEvent Class
com.mindfusion.scheduling.model Namespace

JsonSerializeTagEvent Methods

JsonSerializeTagEvent.getContext Method

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public JsonSerializationContext getContext ()
```

Return Value

See Also

JsonSerializeTagEvent Members
JsonSerializeTagEvent Class
com.mindfusion.scheduling.model Namespace

JsonSerializeTagEvent.getObject Method

Gets the Item or Resource whose tag is being serialized or deserialized.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Object getObject ()
```

Return Value

A reference to an Item or Resource class.

See Also

JsonSerializeTagEvent Members
JsonSerializeTagEvent Class

JsonSerializeTagEvent.getRepresentation Method

Gets the JsonObject, representing the tag object

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public JsonObject getRepresentation ()
```

Return Value

JsonObject serialized or deserialized.

See Also

JsonSerializeTagEvent Members
JsonSerializeTagEvent Class
com.mindfusion.scheduling.model Namespace

JsonSerializeTagEvent.getTag Method

Gets the tag object being serialized or deserialized.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public Object getTag ()
```

Return Value

An object representing the tag value being serialized or deserialized.

See Also

JsonSerializeTagEvent Members
JsonSerializeTagEvent Class
com.mindfusion.scheduling.model Namespace

JsonSerializeTagEvent.isHandled Method

Gets a value indicating whether the event is handled.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public boolean isHandled ()
```

Return Value

true/false

See Also

JsonSerializeTagEvent Members
JsonSerializeTagEvent Class
com.mindfusion.scheduling.model Namespace

JsonSerializeTagEvent.setHandled Method

Sets a value indicating whether the event is handled. Always set this flag to true if you perform custom tag serialization.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setHandled (
    boolean value
)
```

Parameters

value
boolean

See Also

JsonSerializeTagEvent Members
JsonSerializeTagEvent Class
com.mindfusion.scheduling.model Namespace

JsonSerializeTagEvent.setRepresentation Method

Sets the JsonObject, representing the tag object

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setRepresentation (
    JsonObject representation
)
```

Parameters

representation
JsonObject

See Also

JsonSerializeTagEvent Members
JsonSerializeTagEvent Class
com.mindfusion.scheduling.model Namespace

JsonSerializeTagEvent.setTag Method

Sets the tag object being serialized or deserialized.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setTag (
    Object tag
)
```

Parameters

tag
An object representing the tag value being serialized or deserialized.

See Also

JsonSerializeTagEvent Members
JsonSerializeTagEvent Class
com.mindfusion.scheduling.model Namespace

Location Class

Instances of this class contain address information that identifies distinct locations. Location objects are used by schedule classes that have locations and addresses allocated to them.

Syntax

Java

```
public class Location extends Resource
```

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.model.Resource
    com.mindfusion.scheduling.model.Location

See Also

Location Members

Instances of this class contain address information that identifies distinct locations. Location objects are used by schedule classes that have locations and addresses allocated to them.

The following tables list the members exposed by the Location type.

Public Constructors

	Name	Description
	Location	Initializes a new instance of the **Location** class.

Public Methods

	Name	Description
	getAddress	Gets the address of the location.
	getCity	Gets the city of this location.
	getCountry	Gets the country of this location.
	getCustomBrushes	Gets a CustomBrushes object associated with the resource. (Inherited from Resource.)
	getId	Gets the string identifier of this resource. (Inherited from Resource.)
	getName	Gets the name of the resource. (Inherited from Resource.)
	getState	Gets the state of this location.
	getTag	Gets custom data associated with the resource. (Inherited from Resource.)
	getZipCode	Gets the ZIP code of this location.
	loadFrom	Overloaded.
	saveTo	Overloaded.
	setAddress	Sets the address of the location.
	setCity	Sets the city of this location.
	setCountry	Sets the country of this location.
	setCustomBrushes	Sets a **CustomBrushes** object associated with the resource. (Inherited from Resource.)
	setId	Sets the string identifier of this resource. (Inherited from Resource.)
	setName	Sets the name of the resource. (Inherited from Resource.)
	setState	Sets the state of this location.

	setTag	Sets custom data associated with the resource. (Inherited from Resource.)
	setZipCode	Sets the ZIP code of this location.

See Also

Location Class
com.mindfusion.scheduling.model Namespace

Location Constructor

Initializes a new instance of the Location class.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Location ()
```

See Also

Location Class
com.mindfusion.scheduling.model Namespace

Location Methods

Location.getAddress Method

Gets the address of the location.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public String getAddress ()
```

Return Value

A string specifying the address of this location. The default is an empty string.

See Also

Location Members
Location Class
com.mindfusion.scheduling.model Namespace

Location.getCity Method

Gets the city of this location.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public String getCity ()
```

Return Value

A string specifying the city where this location is located. The default is an empty string.

See Also

Location Members
Location Class
com.mindfusion.scheduling.model Namespace

Location.getCountry Method

Gets the country of this location.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public String getCountry ()
```

Return Value

A string specifying the country where this location is located. The default is an empty string.

See Also

Location Members
Location Class
com.mindfusion.scheduling.model Namespace

Location.getState Method

Gets the state of this location.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public String getState ()
```

Return Value

A string identifying the state where this location is. The default is an empty string.

See Also

Location Members
Location Class
com.mindfusion.scheduling.model Namespace

Location.getZipCode Method

Gets the ZIP code of this location.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java
`public String getZipCode ()`

Return Value

A string containing the location's ZIP code. The default is an empty string.

See Also

Location Members
Location Class
com.mindfusion.scheduling.model Namespace

Location.loadFrom Method

Overload List

Name	Description
Location.loadFrom (Element, XmlSerializationContext)	Loads location data from an XML document.
Location.loadFrom (JsonObject, JsonSerializationContext)	Loads the location from a JSON object.

See Also

Location Members
Location Class
com.mindfusion.scheduling.model Namespace

Location.loadFrom Method (Element, XmlSerializationContext)

Loads location data from an XML document.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void loadFrom (
    Element element,
    XmlSerializationContext context
)
```

Parameters

element
Allows reading data from the XML document.

context
The context object contains the file format revision number of the schedule being loaded. It also provides methods that facilitate reading and writing various data types from and to the XML document.

See Also

loadFrom Method Overload List
Location Members
Location Class
com.mindfusion.scheduling.model Namespace

Location.loadFrom Method (JsonObject, JsonSerializationContext)

Loads the location from a JSON object.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void loadFrom (
    JsonObject obj,
    JsonSerializationContext context
)
```

Parameters

obj
A JsonObject containing the location's data.

context
A JsonSerializationContext object providing contextual information about the serialization process and helper serialization methods.

See Also

loadFrom Method Overload List
Location Members
Location Class
com.mindfusion.scheduling.model Namespace

Location.saveTo Method

Overload List

Name	Description
Location.saveTo (Element, XmlSerializationContext)	Saves the location data to an XML document.
Location.saveTo (JsonObject, JsonSerializationContext)	Saves the location as a JSON object.

See Also

Location Members
Location Class
com.mindfusion.scheduling.model Namespace

Location.saveTo Method (Element, XmlSerializationContext)

Saves the location data to an XML document.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void saveTo (
    Element element,
    XmlSerializationContext context
)
```

Parameters

element
Allows adding data to the XML document.

context
The context object contains the file format revision number of the schedule being loaded. It also provides methods that facilitate reading and writing various data types from and to the XML document.

See Also

saveTo Method Overload List
Location Members
Location Class
com.mindfusion.scheduling.model Namespace

Location.saveTo Method (JsonObject, JsonSerializationContext)

Saves the location as a JSON object.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void saveTo (
    JsonObject obj,
    JsonSerializationContext context
)
```

Parameters

obj
A JsonObject instance to contain the serialized data.

context
A JsonSerializationContext object providing contextual information about the serialization process and helper serialization methods.

See Also

saveTo Method Overload List
Location Members
Location Class
com.mindfusion.scheduling.model Namespace

Location.setAddress Method

Sets the address of the location.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setAddress (
    String value
)
```

Parameters

value
A string specifying the address of this location. The default is an empty string.

See Also

Location Members
Location Class
com.mindfusion.scheduling.model Namespace

Location.setCity Method

Sets the city of this location.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setCity (
    String value
)
```

Parameters

value
A string specifying the city where this location is located. The default is an empty string.

See Also

Location Members
Location Class
com.mindfusion.scheduling.model Namespace

Location.setCountry Method

Sets the country of this location.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setCountry (
    String value
)
```

Parameters

value
A string specifying the country where this location is located. The default is an empty string.

See Also

Location Members
Location Class
com.mindfusion.scheduling.model Namespace

Location.setState Method

Sets the state of this location.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public void setState (
    String value
)
```

Parameters

value
A string identifying the state where this location is. The default is an empty string.

See Also

Location Members
Location Class
com.mindfusion.scheduling.model Namespace

Location.setZipCode Method

Sets the ZIP code of this location.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public void setZipCode (
    String value
)
```

Parameters

value
A string containing the location's ZIP code. The default is an empty string.

See Also

Location Members
Location Class
com.mindfusion.scheduling.model Namespace

MonthlyRecurrence Enumeration

Specifies the types of monthly recurrence patterns.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
```

```
public enum MonthlyRecurrence
```

Members

	Member name	Description
	ByDayNumber	The event occurs on a specific day of the month.
	ByDayType	The event occurs on a specific type of day of the specified week of the month.

See Also

com.mindfusion.scheduling.model Namespace

Occurrence Enumeration

Specifies the occurrence number of a day or a week within a month.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java
`public enum Occurrence`

Members

	Member name	Description
	First	Indicates the first occurrence.
	Fourth	Indicates the fourth occurrence.
	Last	Indicates the last occurrence.
	Second	Indicates the second occurrence.
	Third	Indicates the third occurrence.

See Also

com.mindfusion.scheduling.model Namespace

Recurrence Class

Defines recurrence patterns for items scheduled to repeat over and over again.

Syntax

Java

```
public class Recurrence implements Cloneable
```

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.model.Recurrence

See Also

Recurrence Members
com.mindfusion.scheduling.model Namespace

Recurrence Members

Defines recurrence patterns for items scheduled to repeat over and over again.

The following tables list the members exposed by the Recurrence type.

Public Constructors

	Name	Description
	Recurrence	Initializes a new instance of the **Recurrence** class.

Public Methods

	Name	Description
	addRecurrenceListener	Adds a RecurrenceListener to the recurrence.
	applyPattern	Copies the fields of the specified **Recurrence** object to this recurrence.
	clearExceptions	Removes all exceptions of this recurrence.
	clone	Creates an exact copy of this **Recurrence** object.
	generateItems	Creates occurrence items for this recurrence in the specified date range.
	getDailyRecurrence	Gets the type of daily recurrence.
	getDay	Gets a value indicating on which day of a week the event occurs.
	getDayOfMonth	Gets on which day of a month the event occurs.
	getDays	Gets how many days should pass before the event occurs again.
	getDaysOfWeek	Gets on which days of a week the event occurs.
	getEffectiveEndDate	Returns the effective end date for this recurrence.
	getEndDate	Gets the end date of the recurrence.
	getExceptions	Gets the list of all recurrence exceptions.
	getInterval	Gets the recurrence interval.

	getMaster	Gets the master item of this recurrence. The property returns null if the recurrence is not associated with an item.
	getMonthlyRecurrence	Gets the type of monthly recurrence.
	getMonthOfYear	Gets in which month of the year the event occurs.
	getMonths	Gets how many months should pass before the event occurs again.
	getNumOccurrences	Gets how many times the recurring event should occur.
	getOccurrence	Overloaded. Returns the occurrence with a specified index.
	getPattern	Gets the recurrence pattern.
	getRecurrenceEnd	Gets when the event should stop recurring.
	getStartDate	Gets when the recurring event should occur for the first time.
	getWeeks	Gets how many weeks should pass before the event occurs again.
	getYearlyRecurrence	Gets the type of yearly recurrence.
	loadFrom	Overloaded.
	markException	Marks the specified item as an exception of a recurrence pattern.
	removeRecurrenceListener	Removes the specified **RecurrenceListener** from the recurrence.
	samePatternAs	Determines whether two Recurrence objects define the same recurrence pattern.
	saveTo	Overloaded.
	setDailyRecurrence	Sets the type of daily recurrence.
	setDay	Sets a value indicating on which day of a week the event occurs.
	setDayOfMonth	Sets on which day of a month the event occurs.
	setDays	Sets how many days should pass before the event occurs again.
	setDaysOfWeek	Sets on which days of a week the event occurs.
	setEndDate	Sets the end date of the recurrence.
	setInterval	Sets the recurrence interval.
	setMonthlyRecurrence	Sets the type of monthly recurrence.
	setMonthOfYear	Sets in which month of the year the event occurs.
	setMonths	Sets how many months should pass before the event occurs again.
	setNumOccurrences	Sets how many times the recurring event should occur.

	setOccurrence	Sets on which occurrence of the day type specified in **getDay** the event occurs.
	setPattern	Sets the recurrence pattern.
	setRecurrenceEnd	Sets when the event should stop recurring.
	setStartDate	Sets when the recurring event should occur for the first time.
	setWeeks	Sets how many weeks should pass before the event occurs again.
	setYearlyRecurrence	Sets the type of yearly recurrence.
	toString	Overloaded. Creates a human-readable string from this recurrence.

Protected Methods

	Name	Description
	onValidateOccurrence	Raises the RecurrenceListener.validateOccurrence event.

See Also

Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence Constructor

Initializes a new instance of the Recurrence class.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java
`public Recurrence ()`

See Also

Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence Methods

Recurrence.addRecurrenceListener Method

Adds a RecurrenceListener to the recurrence.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```java
public void addRecurrenceListener (
    RecurrenceListener listener
)
```

Parameters

listener
The RecurrenceListener to be added.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.applyPattern Method

Copies the fields of the specified Recurrence object to this recurrence.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```java
public void applyPattern (
    Recurrence recurrence
)
```

Parameters

recurrence
The Recurrence object whose fields to copy.

Remarks

This method behaves similarly to the clone method except that it does not create a new object.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.clearExceptions Method

Removes all exceptions of this recurrence.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public void clearExceptions ()
```

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.clone Method

Creates an exact copy of this Recurrence object.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public Recurrence clone ()
```

Return Value

A new Recurrence object, cloned from this one.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.generateItems Method

Creates occurrence items for this recurrence in the specified date range.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public ItemList generateItems (
    DateTime startDate,
    DateTime endDate
)
```

Parameters

startDate
The range start date.

endDate
The range end date.

Return Value

A list of Item instances representing each occurrence of the recurrent event in the specified date range.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.getDailyRecurrence Method

Gets the type of daily recurrence.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public DailyRecurrence getDailyRecurrence ()
```

Return Value

One of the DailyRecurrence constants.

Remarks

This value is used when the recurrence pattern is set to RecurrencePattern.Daily.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.getDay Method

Gets a value indicating on which day of a week the event occurs.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public DayOfWeekType getDay ()
```

Return Value

One of the DayOfWeekType constants.

Remarks

This value is used when the recurrence getPattern is RecurrencePattern.Monthly or RecurrencePattern.Yearly and getMonthlyRecurrence or getYearlyRecurrence are **ByDayType**.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.getDayOfMonth Method

Gets on which day of a month the event occurs.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public int getDayOfMonth ()
```

Return Value

An integer value specifying at which day of the month the recurring event occurs. The allowed values range from 1 to 31.

Remarks

This value is used when the recurrence getPattern is RecurrencePattern.Monthly or RecurrencePattern.Yearly.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.getDays Method

Gets how many days should pass before the event occurs again.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public int getDays ()
```

Return Value

An integer value specifying the number of days between event occurrences. The minimal allowed value is 1.

Remarks

This value is used when the recurrence getPattern is RecurrencePattern.Daily.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.getDaysOfWeek Method

Gets on which days of a week the event occurs.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public EnumSet<DayOfWeek> getDaysOfWeek ()
```

Return Value

One or more of the DaysOfWeek constants.

Remarks

This value is used when the recurrence getPattern is RecurrencePattern.Weekly.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.getEffectiveEndDate Method

Returns the effective end date for this recurrence.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public DateTime getEffectiveEndDate ()
```

Return Value

The end date of the recurrence if the recurrence is set to expire or DateTime.MaxValue otherwise.

Remarks

The end date is calculated from the specified repeat number if setRecurrenceEnd is set to RecurrenceEnd.NumOccurrences.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.getEndDate Method

Gets the end date of the recurrence.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public DateTime getEndDate ()
```

Return Value

A DateTime object specifying the end date of the recurring event.

Remarks

This value is considered by the recurrence only if getRecurrenceEnd is RecurrenceEnd.EndDate.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.getExceptions Method

Gets the list of all recurrence exceptions.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Collection<RecurrenceException> getExceptions ()
```

Return Value

A collection containing all exceptions defined for this recurrence.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.getInterval Method

Gets the recurrence interval.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public Duration getInterval ()
```

Return Value

A Duration value indicating the time interval between recurring items.

Remarks

This value is used when the recurrence getPattern is RecurrencePattern.ByTimeInterval.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.getMaster Method

Gets the master item of this recurrence. The property returns null if the recurrence is not associated with an item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public Item getMaster ()
```

Return Value

A reference to the schedule item whose recurrence is defined by this object.

Remarks

To associate a recurrence with an item, pass a reference to a Recurrence object to the item's Item.setRecurrence method.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.getMonthlyRecurrence Method

Gets the type of monthly recurrence.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public MonthlyRecurrence getMonthlyRecurrence ()
```

Return Value

One of the MonthlyRecurrence constants.

Remarks

This value is used when the recurrence getPattern is RecurrencePattern.Monthly.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.getMonthOfYear Method

Gets in which month of the year the event occurs.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public int getMonthOfYear ()
```

Return Value

An integer value specifying at which month the event occurs. The allowed values range from 1 to 12.

Remarks

This value is used when the recurrence getPattern is RecurrencePattern.Yearly.

See Also

Recurrence Members
Recurrence Class

Recurrence.getMonths Method

Gets how many months should pass before the event occurs again.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public int getMonths ()
```

Return Value

An integer value specifying the number of days between event occurrences. The minimal allowed value is 1.

Remarks

This value is used when the recurrence getPattern is RecurrencePattern.Monthly.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.getNumOccurrences Method

Gets how many times the recurring event should occur.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public int getNumOccurrences ()
```

Return Value

An integer value specifying the number of occurrences. The allowed values range from 1 to 999.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.getOccurrence Method

Returns the occurrence with a specified index.

Overload List

Name	Description
Recurrence.getOccurrence ()	Gets on which occurrence of the day type specified in getDay the event occurs.
Recurrence.getOccurrence (Int32)	Returns the occurrence having the specified index.
Recurrence.getOccurrence (Int32, ByRef(Boolean))	Returns the occurrence having the specified index.
Recurrence.getOccurrence (Int32, ByRef(Boolean), Boolean)	Returns the occurrence having the specified index.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.getOccurrence Method ()

Gets on which occurrence of the day type specified in getDay the event occurs.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java
`public Occurrence getOccurrence ()`

Return Value

One of the Occurrence constants.

Remarks

This value is used when the recurrence getPattern is RecurrencePattern.Monthly or RecurrencePattern.Yearly and getMonthlyRecurrence or getYearlyRecurrence are **ByDayType**.

See Also

getOccurrence Method Overload List
Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.getOccurrence Method (Int32)

Returns the occurrence having the specified index.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Item getOccurrence (
    int index
)
```

Parameters

index
The index of the occurrence to retrieve.

Return Value

A reference to the occurrence with the specified index or null, if there is no such occurrence.

Remarks

This function might take considerable amount of time if you specify a large index in an infinite recurrence.

See Also

getOccurrence Method Overload List
Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.getOccurrence Method (Int32, ByRef(Boolean))

Returns the occurrence having the specified index.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Item getOccurrence (
    int index,
    ByRef<Boolean> isDeleted
)
```

Parameters

index
The index of the occurrence to retrieve.

isDeleted
If the specified occurrence is an exception, this parameter contains upon function completion whether the exception is deleted or not.

Return Value

A reference to the occurrence with the specified index or **null**, if there is no such occurrence.

Remarks

This function might take considerable amount of time if you specify a large index in an infinite recurrence.

See Also

getOccurrence Method Overload List
Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.getOccurrence Method (Int32, ByRef(Boolean), Boolean)

Returns the occurrence having the specified index.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Item getOccurrence (
    int index,
    ByRef<Boolean> isDeleted,
    boolean noException
)
```

Parameters

index
The index of the occurrence to retrieve.

isDeleted
If the specified occurrence is an exception, this parameter contains upon function completion whether the exception is deleted or not.

noException
Specifies whether to return the original item, in case this occurrence is an exception.

Return Value

A reference to the occurrence with the specified index or **null**, if there is no such occurrence.

Remarks

This function might take considerable amount of time if you specify a large index in an infinite recurrence.

See Also

getOccurrence Method Overload List
Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.getPattern Method

Gets the recurrence pattern.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public RecurrencePattern getPattern ()
```

Return Value

One of the RecurrencePattern constants.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.getRecurrenceEnd Method

Gets when the event should stop recurring.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public RecurrenceEnd getRecurrenceEnd ()
```

Return Value

One of the RecurrenceEnd constants.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.getStartDate Method

Gets when the recurring event should occur for the first time.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public DateTime getStartDate ()
```

Return Value

A DateTime object specifying the recurrence start date.

Remarks

The time properties set in a recurrence object override the time properties of a schedule item to which the recurrence is assigned. The Calendar component displays "occurrence" items corresponding to the recurring master item. The first occurrence is displayed in the date cell specified in this property.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.getWeeks Method

Gets how many weeks should pass before the event occurs again.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public int getWeeks ()
```

Return Value

An integer value specifying the number of weeks between event occurrences. The minimal allowed value is 1.

Remarks

This value is used when the recurrence getPattern is RecurrencePattern.Weekly.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.getYearlyRecurrence Method

Gets the type of yearly recurrence.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java
`public YearlyRecurrence getYearlyRecurrence ()`

Return Value

One of the YearlyRecurrence constants.

Remarks

This value is used when the recurrence getPattern is RecurrencePattern.Yearly.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.loadFrom Method

Overload List

Name	Description
Recurrence.loadFrom (Element, XmlSerializationContext)	Loads the recurrence data from an XML document.
Recurrence.loadFrom (JsonObject, JsonSerializationContext)	Loads the recurrence from a JSON object.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.loadFrom Method (Element, XmlSerializationContext)

Loads the recurrence data from an XML document.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void loadFrom (
    Element element,
    XmlSerializationContext context
)
```

Parameters

element

Allows reading data from the XML document.

context
The context object contains the file format revision number of the schedule being loaded. It also provides methods that facilitate reading and writing various data types from and to the XML document.

Remarks

Loads the state of a recurrence from an XML document, where it was previously saved via saveTo.

See Also

loadFrom Method Overload List
Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.loadFrom Method (JsonObject, JsonSerializationContext)

Loads the recurrence from a JSON object.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void loadFrom (
    JsonObject obj,
    JsonSerializationContext context
)
```

Parameters

obj
A JsonObject containing the recurrence data.

context
A JsonSerializationContext object providing contextual information about the serialization process and helper serialization methods.

See Also

loadFrom Method Overload List
Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.markException Method

Marks the specified item as an exception of a recurrence pattern.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void markException (
    Item item,
    boolean deleted
)
```

Parameters

item
The Item instance to be marked as an exception.

deleted
Specifies whether the exception is created by deleting one occurrence from the recurrent pattern or by changing the properties of the occurrence.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.onValidateOccurrence Method

Raises the RecurrenceListener.validateOccurrence event.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
protected void onValidateOccurrence (
    ValidateOccurrenceEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.removeRecurrenceListener Method

Removes the specified RecurrenceListener from the recurrence.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void removeRecurrenceListener (
    RecurrenceListener listener
)
```

Parameters

listener
The listener to be removed.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.samePatternAs Method

Determines whether two Recurrence objects define the same recurrence pattern.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public boolean samePatternAs (
    Recurrence recurrence
)
```

Parameters

recurrence
A Recurrence object to compare with this recurrence.

Return Value

true if the Recurrence instances represent the same recurrence patterns; otherwise, **false**.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.saveTo Method

Overload List

Name	Description
Recurrence.saveTo (Element, XmlSerializationContext)	Saves the recurrence data to an XML document.

Recurrence.saveTo (JsonObject, JsonSerializationContext)	Saves the recurrence as a JSON object.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.saveTo Method (Element, XmlSerializationContext)

Saves the recurrence data to an XML document.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void saveTo (
    Element element,
    XmlSerializationContext context
)
```

Parameters

element
Allows adding data to the XML document.

context
The context object contains the file format revision number of the schedule being loaded. It also provides methods that facilitate reading and writing various data types from and to the XML document.

Remarks

The recurrence properties are saved as elements of an XML document, and can be later restored using the loadFrom method.

See Also

saveTo Method Overload List
Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.saveTo Method (JsonObject, JsonSerializationContext)

Saves the recurrence as a JSON object.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void saveTo (
    JsonObject obj,
    JsonSerializationContext context
)
```

Parameters

obj
A JsonObject instance to contain the serialized data.

context
A JsonSerializationContext object providing contextual information about the serialization process and helper serialization methods.

See Also

saveTo Method Overload List
Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.setDailyRecurrence Method

Sets the type of daily recurrence.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setDailyRecurrence (
    DailyRecurrence value
)
```

Parameters

value
One of the DailyRecurrence constants.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.setDay Method

Sets a value indicating on which day of a week the event occurs.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setDay (
    DayOfWeekType value
)
```

Parameters

value
One of the DayOfWeekType constants.

Remarks

This value is used when the recurrence getPattern is RecurrencePattern.Monthly or **RecurrencePattern.Yearly** and getMonthlyRecurrence or getYearlyRecurrence are ByDayType.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.setDayOfMonth Method

Sets on which day of a month the event occurs.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setDayOfMonth (
    int value
)
```

Parameters

value
An integer value specifying at which day of the month the recurring event occurs. The allowed values range from 1 to 31.

Remarks

This value is used when the recurrence getPattern is RecurrencePattern.Monthly or RecurrencePattern.Yearly.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.setDays Method

Sets how many days should pass before the event occurs again.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public void setDays (
    int value
)
```

Parameters

value
An integer value specifying the number of days between event occurrences. The minimal allowed value is 1.

Remarks

This value is used when the recurrence getPattern is RecurrencePattern.Daily.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.setDaysOfWeek Method

Sets on which days of a week the event occurs.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public void setDaysOfWeek (
    EnumSet<DayOfWeek> value
)
```

Parameters

value
One or more of the DayOfWeek constants.

Remarks

This value is used when the recurrence getPattern is RecurrencePattern.Weekly.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.setEndDate Method

Sets the end date of the recurrence.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setEndDate (
    DateTime value
)
```

Parameters

value
A DateTime object specifying the end date of the recurring event.

Remarks

This value is considered by the recurrence only if getRecurrenceEnd is RecurrenceEnd.EndDate.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.setInterval Method

Sets the recurrence interval.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setInterval (
    Duration value
)
```

Parameters

value
A Duration value indicating the time interval between recurring items.

Remarks

This value is used when the recurrence getPattern is RecurrencePattern.ByTimeInterval.

See Also

Recurrence Members
Recurrence Class

Recurrence.setMonthlyRecurrence Method

Sets the type of monthly recurrence.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setMonthlyRecurrence (
    MonthlyRecurrence value
)
```

Parameters

value
One of the MonthlyRecurrence constants.

Remarks

This value is used when the recurrence getPattern is RecurrencePattern.Monthly.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.setMonthOfYear Method

Sets in which month of the year the event occurs.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setMonthOfYear (
    int value
)
```

Parameters

value
An integer value specifying at which month the event occurs. The allowed values range from 1 to 12.

Remarks

This value is used when the recurrence getPattern is RecurrencePattern.Yearly.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.setMonths Method

Sets how many months should pass before the event occurs again.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setMonths (
    int value
)
```

Parameters

value
An integer value specifying the number of days between event occurrences. The minimal allowed value is 1.

Remarks

This value is used when the recurrence getPattern is RecurrencePattern.Monthly.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.setNumOccurrences Method

Sets how many times the recurring event should occur.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setNumOccurrences (
    int value
)
```

Parameters

value
An integer value specifying the number of occurrences. The allowed values range from 1 to 999.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.setOccurrence Method

Sets on which occurrence of the day type specified in getDay the event occurs.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public void setOccurrence (
    Occurrence value
)
```

Parameters

value
One of the Occurrence constants.

Remarks

This value is used when the recurrence getPattern is RecurrencePattern.Monthly or **RecurrencePattern.Yearly** and getMonthlyRecurrence or getYearlyRecurrence are ByDayType.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.setPattern Method

Sets the recurrence pattern.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public void setPattern (
    RecurrencePattern value
)
```

Parameters

value
One of the RecurrencePattern constants.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.setRecurrenceEnd Method

Sets when the event should stop recurring.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setRecurrenceEnd (
    RecurrenceEnd value
)
```

Parameters

value
One of the RecurrenceEnd constants.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.setStartDate Method

Sets when the recurring event should occur for the first time.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setStartDate (
    DateTime value
)
```

Parameters

value
A DateTime object specifying the recurrence start date.

Remarks

The time properties set in a recurrence object override the time properties of a schedule item to which the recurrence is assigned. The Calendar component displays "occurrence" items corresponding to the recurring master item. The first occurrence is displayed in the date cell specified in this property.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.setWeeks Method

Sets how many weeks should pass before the event occurs again.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setWeeks (
    int value
)
```

Parameters

value
An integer value specifying the number of weeks between event occurrences. The minimal allowed value is 1.

Remarks

This value is used when the recurrence getPattern is RecurrencePattern.Weekly.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.setYearlyRecurrence Method

Sets the type of yearly recurrence.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setYearlyRecurrence (
    YearlyRecurrence value
)
```

Parameters

value
One of the YearlyRecurrence constants.

Remarks

This value is used when the recurrence getPattern is RecurrencePattern.Yearly.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.toString Method

Creates a human-readable string from this recurrence.

Overload List

Name	Description
Recurrence.toString ()	Creates a string from this recurrence using the default locale.
Recurrence.toString (Locale)	Creates a string from this recurrence using the specified date and time formatting.

See Also

Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.toString Method ()

Creates a string from this recurrence using the default locale.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java
`public String toString ()`

Return Value

A string representation of the recurrence object.

See Also

toString Method Overload List
Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

Recurrence.toString Method (Locale)

Creates a string from this recurrence using the specified date and time formatting.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public String toString (
    Locale locale
)
```

Parameters

locale
The desired locale of the resulting string.

Return Value

A string representation of the recurrence object.

See Also

toString Method Overload List
Recurrence Members
Recurrence Class
com.mindfusion.scheduling.model Namespace

RecurrenceAdapter Class

Provides empty implementations for the methods defined in the RecurrenceListener interface. This lets you override only the handlers for the events you are interested in, instead of implementing all methods of **RecurrenceListener**.

Syntax

```
Java
public class RecurrenceAdapter implements RecurrenceListener
```

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.model.RecurrenceAdapter

See Also

RecurrenceAdapter Members
com.mindfusion.scheduling.model Namespace

RecurrenceAdapter Members

Provides empty implementations for the methods defined in the RecurrenceListener interface. This lets you override only the handlers for the events you are interested in, instead of implementing all methods of **RecurrenceListener**.

The following tables list the members exposed by the RecurrenceAdapter type.

Public Constructors

	Name	Description
	RecurrenceAdapter	Initializes a new instance of the **RecurrenceAdapter** class.

Public Methods

	Name	Description
	reset	Raised when the recurrence has been reset.
	validateOccurrence	

See Also

RecurrenceAdapter Class
com.mindfusion.scheduling.model Namespace

RecurrenceAdapter Constructor

Initializes a new instance of the RecurrenceAdapter class.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public RecurrenceAdapter ()
```

See Also

RecurrenceAdapter Class
com.mindfusion.scheduling.model Namespace

RecurrenceAdapter Methods

RecurrenceAdapter.reset Method

Raised when the recurrence has been reset.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void reset (
    EventObject e
)
```

Parameters

e
An **EventObject** object.

See Also

RecurrenceAdapter Members
RecurrenceAdapter Class
com.mindfusion.scheduling.model Namespace

RecurrenceAdapter.validateOccurrence Method

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void validateOccurrence (
    ValidateOccurrenceEvent e
)
```

Parameters

e
An ValidateOccurrenceEvent object.

See Also

RecurrenceAdapter Members
RecurrenceAdapter Class
com.mindfusion.scheduling.model Namespace

RecurrenceEnd Enumeration

Specifies when to stop repeating recurring events.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public enum RecurrenceEnd
```

Members

	Member name	Description
	EndDate	The recurrence ends at a specified date.
	Never	Never stop repeating events.

	NumOccurrences	Stop repeating events after a specified number of occurrences.

See Also

com.mindfusion.scheduling.model Namespace

RecurrenceException Class

This class represents exceptions of a recurrence patterns.

Syntax

Java
`public class RecurrenceException`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.model.RecurrenceException

See Also

RecurrenceException Members
com.mindfusion.scheduling.model Namespace

RecurrenceException Members

This class represents exceptions of a recurrence patterns.

The following tables list the members exposed by the RecurrenceException type.

Public Methods

	Name	Description
	getIsDeleted	Gets a value indicating whether this particular occurrence has been deleted.
	getItem	Gets the item representing the recurrence exception.

See Also

RecurrenceException Class
com.mindfusion.scheduling.model Namespace

RecurrenceException Methods

RecurrenceException.getIsDeleted Method

Gets a value indicating whether this particular occurrence has been deleted.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public boolean getIsDeleted ()
```

Return Value

true if this exception identifies a deleted occurrence; otherwise, **false**.

See Also

RecurrenceException Members
RecurrenceException Class
com.mindfusion.scheduling.model Namespace

RecurrenceException.getItem Method

Gets the item representing the recurrence exception.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public Item getItem ()
```

Return Value

An instance of the item class representing the schedule item for which this exception is defined.

See Also

RecurrenceException Members
RecurrenceException Class
com.mindfusion.scheduling.model Namespace

RecurrenceListener Interface

Defines the events raised by the Item class.

Syntax

```
Java
public interface RecurrenceListener extends EventListener
```

Inheritors

com.mindfusion.scheduling.model.RecurrenceAdapter

See Also

RecurrenceListener Members
com.mindfusion.scheduling.model Namespace

RecurrenceListener Members

Defines the events raised by the Item class.

The following tables list the members exposed by the RecurrenceListener type.

Public Methods

	Name	Description
	reset	Raised when the recurrence has been reset.
	validateOccurrence	Raised during item generation to allow validation and customization of the generated occurrences.

See Also

RecurrenceListener Interface
com.mindfusion.scheduling.model Namespace

RecurrenceListener Methods

RecurrenceListener.reset Method

Raised when the recurrence has been reset.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
void reset (
    EventObject e
)
```

Parameters

e
An EventObject object.

See Also

RecurrenceListener Members
RecurrenceListener Interface
com.mindfusion.scheduling.model Namespace

RecurrenceListener.validateOccurrence Method

Raised during item generation to allow validation and customization of the generated occurrences.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
void validateOccurrence (
    ValidateOccurrenceEvent e
)
```

Parameters

e
An ValidateOccurrenceEvent object.

See Also

RecurrenceListener Members
RecurrenceListener Interface
com.mindfusion.scheduling.model Namespace

RecurrencePattern Enumeration

Specifies the interval at which recurring items occur.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public enum RecurrencePattern
```

Members

	Member name	Description
	ByTimeInterval	Repeats an item over a specified time interval.
	Daily	Repeats an item every day.
	Monthly	Repeats an item every month.
	Weekly	Repeats an item every week.
	Yearly	Repeats an item every year.

Remarks

These values can be assigned through the Recurrence.setPattern method of the Recurrence class.

See Also

com.mindfusion.scheduling.model Namespace

RecurrenceState Enumeration

Specifies the recurrence state of items.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java
`public enum RecurrenceState`

Members

	Member name	Description
	Exception	Specifies an exception of a recurring event.
	Master	Specifies a recurring event.
	None	Specifies a non-recurring event.
	Occurrence	Specifies a single occurrence of a recurring event.

See Also

com.mindfusion.scheduling.model Namespace

Reminder Class

Represents reminders associated with schedule items.

Syntax

Java
`public class Reminder implements Cloneable`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.model.Reminder

See Also

Reminder Members
com.mindfusion.scheduling.model Namespace

Reminder Members

Represents reminders associated with schedule items.

The following tables list the members exposed by the Reminder type.

Public Constructors

	Name	Description
	Reminder	Initializes a new instance of the **Reminder** class.

Public Fields

	Name	Description
	MaxInterval	The maximum time interval that can be set as value of setTimeInterval for a **Reminder** object.

Public Methods

	Name	Description
	clone	Clones this **Reminder** object.
	getMessage	Gets the message to display as a reminder.
	getPlaySound	Gets a value indicating whether to play a sound when the reminder is triggered.
	getSoundFileName	Gets the name of a sound file to play with this reminder.
	getTime	Gets the exact time when to trigger the reminder.
	getTimeInterval	Gets how much time before the item's scheduled start time to raise the event that triggers the reminder.
	getType	Gets the type of this reminder.
	loadFrom	Overloaded.
	saveTo	Overloaded.
	setMessage	Sets the message to display as a reminder.
	setPlaySound	Sets a value indicating whether to play a sound when the reminder is triggered.
	setSoundFileName	Sets the name of a sound file to play with this reminder.
	setTime	Sets the exact time when to trigger the reminder.
	setTimeInterval	Sets how much time before the item's scheduled start time to raise the event that triggers the reminder.
	setType	Sets the type of this reminder.

See Also

Reminder Class
com.mindfusion.scheduling.model Namespace

Reminder Fields

Reminder.MaxInterval Field

The maximum time interval that can be set as value of setTimeInterval for a Reminder object.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public static final Duration MaxInterval
```

See Also

Reminder Members
Reminder Class
com.mindfusion.scheduling.model Namespace

Reminder Constructor

Initializes a new instance of the Reminder class.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public Reminder ()
```

See Also

Reminder Class
com.mindfusion.scheduling.model Namespace

Reminder Methods

Reminder.clone Method

Clones this Reminder object.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public Reminder clone ()
```

Return Value

An exact copy of this reminder.

See Also

Reminder Members
Reminder Class
com.mindfusion.scheduling.model Namespace

Reminder.getMessage Method

Gets the message to display as a reminder.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public String getMessage ()
```

Return Value

A string containing the message text.

See Also

Reminder Members
Reminder Class
com.mindfusion.scheduling.model Namespace

Reminder.getPlaySound Method

Gets a value indicating whether to play a sound when the reminder is triggered.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public boolean getPlaySound ()
```

Return Value

true to play the sound file; otherwise, **false**.

Remarks

The path to the sound file can be set in the setSoundFileName property.

See Also

Reminder Members
Reminder Class
com.mindfusion.scheduling.model Namespace

Reminder.getSoundFileName Method

Gets the name of a sound file to play with this reminder.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public String getSoundFileName ()
```

Return Value

A string specifying which file to play.

See Also

Reminder Members
Reminder Class
com.mindfusion.scheduling.model Namespace

Reminder.getTime Method

Gets the exact time when to trigger the reminder.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public DateTime getTime ()
```

Return Value

A DateTime object specifying when the reminder should be triggered.

Remarks

The value of this property is considered only if the Type of the reminder is set to ReminderType.Exact.

See Also

Reminder Members
Reminder Class

Reminder.getTimeInterval Method

Gets how much time before the item's scheduled start time to raise the event that triggers the reminder.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public Duration getTimeInterval ()
```

Return Value

A Duration instance specifying how much time before event's scheduled time to trigger the reminder.

Remarks

This value is considered only if getType is ReminderType.Leading.

See Also

Reminder Members
Reminder Class
com.mindfusion.scheduling.model Namespace

Reminder.getType Method

Gets the type of this reminder.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public ReminderType getType ()
```

Return Value

One of the ReminderType constants.

See Also

Reminder Members
Reminder Class
com.mindfusion.scheduling.model Namespace

Reminder.loadFrom Method

Overload List

Name	Description
Reminder.loadFrom (Element, XmlSerializationContext)	Loads reminder data from an XML document.
Reminder.loadFrom (JsonObject, JsonSerializationContext)	Loads the reminder from a JSON object.

See Also

Reminder Members
Reminder Class
com.mindfusion.scheduling.model Namespace

Reminder.loadFrom Method (Element, XmlSerializationContext)

Loads reminder data from an XML document.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void loadFrom (
    Element element,
    XmlSerializationContext context
)
```

Parameters

element
Allows reading data from the XML document.

context
The context object contains the file format revision number of the schedule being loaded. It also provides methods that facilitate reading and writing various data types from and to the XML document.

See Also

loadFrom Method Overload List
Reminder Members
Reminder Class
com.mindfusion.scheduling.model Namespace

Reminder.loadFrom Method (JsonObject, JsonSerializationContext)

Loads the reminder from a JSON object.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

`public void loadFrom (`
`    JsonObject obj,`
`    JsonSerializationContext context`
`)`

Parameters

obj
A JsonObject containing the reminder's data.

context
A JsonSerializationContext object providing contextual information about the serialization process and helper serialization methods.

See Also

loadFrom Method Overload List
Reminder Members
Reminder Class
com.mindfusion.scheduling.model Namespace

Reminder.saveTo Method

Overload List

Name	Description
Reminder.saveTo (Element, XmlSerializationContext)	Saves the reminder data to an XML document.
Reminder.saveTo (JsonObject, JsonSerializationContext)	Saves the reminder as a JSON object.

See Also

Reminder Members
Reminder Class
com.mindfusion.scheduling.model Namespace

Reminder.saveTo Method (Element, XmlSerializationContext)

Saves the reminder data to an XML document.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

`public void saveTo (`
`    Element element,`
`    XmlSerializationContext context`
`)`

Parameters

element
Allows adding data to the XML document.

context
The context object contains the file format revision number of the schedule being loaded. It also provides methods that facilitate reading and writing various data types from and to the XML document.

See Also

saveTo Method Overload List
Reminder Members
Reminder Class
com.mindfusion.scheduling.model Namespace

Reminder.saveTo Method (JsonObject, JsonSerializationContext)

Saves the reminder as a JSON object.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void saveTo (
    JsonObject obj,
    JsonSerializationContext context
)
```

Parameters

obj
A JsonObject instance to contain the serialized data.

context
A JsonSerializationContext object providing contextual information about the serialization process and helper serialization methods.

See Also

saveTo Method Overload List
Reminder Members
Reminder Class
com.mindfusion.scheduling.model Namespace

Reminder.setMessage Method

Sets the message to display as a reminder.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setMessage (
    String value
)
```

Parameters

value
A string containing the message text.

See Also

Reminder Members
Reminder Class
com.mindfusion.scheduling.model Namespace

Reminder.setPlaySound Method

Sets a value indicating whether to play a sound when the reminder is triggered.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setPlaySound (
    boolean value
)
```

Parameters

value
true to play the sound file; otherwise, **false**.

Remarks

The path to the sound file can be set in the setSoundFileName property.

See Also

Reminder Members
Reminder Class
com.mindfusion.scheduling.model Namespace

Reminder.setSoundFileName Method

Sets the name of a sound file to play with this reminder.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setSoundFileName (
    String value
)
```

Parameters

value
A string specifying which file to play.

See Also

Reminder Members
Reminder Class
com.mindfusion.scheduling.model Namespace

Reminder.setTime Method

Sets the exact time when to trigger the reminder.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setTime (
    DateTime value
)
```

Parameters

value
A DateTime object specifying when the reminder should be triggered.

Remarks

The value of this property is considered only if the Type of the reminder is set to ReminderType.Exact.

See Also

Reminder Members
Reminder Class
com.mindfusion.scheduling.model Namespace

Reminder.setTimeInterval Method

Sets how much time before the item's scheduled start time to raise the event that triggers the reminder.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setTimeInterval (
    Duration value
)
```

Parameters

value
A Duration instance specifying how much time before event's scheduled time to trigger the reminder.

Remarks

This value is considered only if getType is ReminderType.Leading.

See Also

Reminder Members
Reminder Class
com.mindfusion.scheduling.model Namespace

Reminder.setType Method

Sets the type of this reminder.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setType (
    ReminderType value
)
```

Parameters

value
One of the ReminderType constants.

See Also

Reminder Members
Reminder Class
com.mindfusion.scheduling.model Namespace

ReminderType Enumeration

Specifies the type of a reminder.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public enum ReminderType
```

Members

	Member name	Description
	Exact	Trigger the reminder at the exact time specified by its Reminder.getTime method. **Note:** Recurring items cannot have exact reminders.
	Leading	Trigger the reminder at the time specified by Reminder.getTimeInterval before the item's scheduled start time. **Note:** Tasks cannot have leading reminders.

See Also

com.mindfusion.scheduling.model Namespace

RemoveItemCommand Class

Implements deletion of schedule items.

Syntax

Java

```
public class RemoveItemCommand extends Command
```

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.model.Command
    com.mindfusion.scheduling.model.RemoveItemCommand

See Also

RemoveItemCommand Members
com.mindfusion.scheduling.model Namespace

RemoveItemCommand Members

Implements deletion of schedule items.

The following tables list the members exposed by the RemoveItemCommand type.

Public Constructors

	Name	Description
	RemoveItemCommand	Initializes a new instance of the **RemoveItemCommand** class.

Public Methods

	Name	Description
	getSchedule	Gets the Schedule modified by this Command object. (Inherited from Command.)

Protected Methods

	Name	Description
	execute	Carries out an action that changes the schedule in some way.
	redo	Repeats an action that has been undone.
	undo	Undoes an action, restoring the schedule to the state it was in before carrying out the action.

See Also

RemoveItemCommand Class
com.mindfusion.scheduling.model Namespace

RemoveItemCommand Constructor

Initializes a new instance of the RemoveItemCommand class.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public RemoveItemCommand (
    Schedule schedule,
    Item item,
    int index
)
```

Parameters

schedule
The Schedule from which the item is removed.

item
The Item that should be removed from the schedule.

index
The index of the item being removed.

See Also

RemoveItemCommand Class
com.mindfusion.scheduling.model Namespace

RemoveItemCommand Methods

RemoveItemCommand.execute Method

Carries out an action that changes the schedule in some way.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
protected boolean execute ()
```

Return Value

true, if the command actually caused changes in the schedule; otherwise, false.

Remarks

Commands, which return false are never recorded in the command history.

See Also

RemoveItemCommand Members
RemoveItemCommand Class
com.mindfusion.scheduling.model Namespace

RemoveItemCommand.redo Method

Repeats an action that has been undone.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
protected void redo ()
```

See Also

RemoveItemCommand Members
RemoveItemCommand Class
com.mindfusion.scheduling.model Namespace

RemoveItemCommand.undo Method

Undoes an action, restoring the schedule to the state it was in before carrying out the action.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java
`protected void undo ()`

See Also

RemoveItemCommand Members
RemoveItemCommand Class
com.mindfusion.scheduling.model Namespace

Resource Class

Instances of the **Resource** class contain information about arbitrary resources.

Syntax

Java
`public class Resource`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.model.Resource
    com.mindfusion.scheduling.model.Contact
    com.mindfusion.scheduling.model.Location
    com.mindfusion.scheduling.model.Task

See Also

Resource Members
com.mindfusion.scheduling.model Namespace

Resource Members

Instances of the Resource class contain information about arbitrary resources.

The following tables list the members exposed by the **Resource** type.

Public Constructors

	Name	Description
	Resource	Initializes a new instance of the **Resource** class.

Public Methods

	Name	Description
	getCustomBrushes	Gets a CustomBrushes object associated with the resource.
	getId	Gets the string identifier of this resource.
	getName	Gets the name of the resource.

	getTag	Gets custom data associated with the resource.
	loadFrom	Overloaded.
	saveTo	Overloaded.
	setCustomBrushes	Sets a **CustomBrushes** object associated with the resource.
	setId	Sets the string identifier of this resource.
	setName	Sets the name of the resource.
	setTag	Sets custom data associated with the resource.

See Also

Resource Class
com.mindfusion.scheduling.model Namespace

Resource Constructor

Initializes a new instance of the Resource class.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Resource ()
```

See Also

Resource Class
com.mindfusion.scheduling.model Namespace

Resource Methods

Resource.getCustomBrushes Method

Gets a CustomBrushes object associated with the resource.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public CustomBrushes getCustomBrushes ()
```

Return Value

An instance of the CustomBrushes class that defines brushes used to paint the background of calendar elements associated with this resource.

Remarks

This property defines a primary and a secondary brush used to paint the background of resource-related UI elements. The scheduled events for a resource can be displayed in their own columns in timetable, week range and resource views. In timetable view the primary brush is used to paint the non-work time cells, and the secondary brush is used to paint the work time cells. In week range view the two brushes are used to alternately paint odd and even weeks.

See Also

Resource Members
Resource Class
com.mindfusion.scheduling.model Namespace

Resource.getId Method

Gets the string identifier of this resource.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public String getId ()
```

Return Value

A string value identifying uniquely this resource instance.

See Also

Resource Members
Resource Class
com.mindfusion.scheduling.model Namespace

Resource.getName Method

Gets the name of the resource.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public String getName ()
```

Return Value

A string containing the name of the resource. The default is an empty string.

See Also

Resource Members
Resource Class
com.mindfusion.scheduling.model Namespace

Resource.getTag Method

Gets custom data associated with the resource.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java
`public Object getTag ()`

Return Value

An instance of any class derived from **Object**.

See Also

Resource Members
Resource Class
com.mindfusion.scheduling.model Namespace

Resource.loadFrom Method

Overload List

Name	Description
Resource.loadFrom (Element, XmlSerializationContext)	Loads resource data from an XML document.
Resource.loadFrom (JsonObject, JsonSerializationContext)	Loads the resource from a JSON object.

See Also

Resource Members
Resource Class
com.mindfusion.scheduling.model Namespace

Resource.loadFrom Method (Element, XmlSerializationContext)

Loads resource data from an XML document.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void loadFrom (
    Element element,
    XmlSerializationContext context
)
```

Parameters

element
Allows reading data from the XML document.

context
The context object contains the file format revision number of the schedule being loaded. It also provides methods that facilitate reading and writing various data types from and to the XML document.

See Also

loadFrom Method Overload List
Resource Members
Resource Class
com.mindfusion.scheduling.model Namespace

Resource.loadFrom Method (JsonObject, JsonSerializationContext)

Loads the resource from a JSON object.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void loadFrom (
    JsonObject obj,
    JsonSerializationContext context
)
```

Parameters

obj
A JsonObject containing the resource data.

context
A JsonSerializationContext object providing contextual information about the serialization process and helper serialization methods.

See Also

loadFrom Method Overload List
Resource Members
Resource Class
com.mindfusion.scheduling.model Namespace

Resource.saveTo Method

Overload List

Name	Description
Resource.saveTo (Element, XmlSerializationContext)	Saves the resource data to an XML document.
Resource.saveTo (JsonObject, JsonSerializationContext)	Saves the resource as a JSON object.

See Also

Resource Members
Resource Class
com.mindfusion.scheduling.model Namespace

Resource.saveTo Method (Element, XmlSerializationContext)

Saves the resource data to an XML document.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void saveTo (
    Element element,
    XmlSerializationContext context
)
```

Parameters

element

Allows adding data to the XML document.

context

The context object contains the file format revision number of the schedule being loaded. It also provides methods that facilitate reading and writing various data types from and to the XML document.

See Also

saveTo Method Overload List
Resource Members
Resource Class
com.mindfusion.scheduling.model Namespace

Resource.saveTo Method (JsonObject, JsonSerializationContext)

Saves the resource as a JSON object.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void saveTo (
    JsonObject obj,
    JsonSerializationContext context
)
```

Parameters

obj
A JsonObject instance to contain the serialized data.

context
A JsonSerializationContext object providing contextual information about the serialization process and helper serialization methods.

See Also

saveTo Method Overload List
Resource Members
Resource Class
com.mindfusion.scheduling.model Namespace

Resource.setCustomBrushes Method

Sets a CustomBrushes object associated with the resource.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setCustomBrushes (
    CustomBrushes value
)
```

Parameters

value
An instance of the CustomBrushes class that defines brushes used to paint the background of calendar elements associated with this resource.

Remarks

This property defines a primary and a secondary brush used to paint the background of resource-related UI elements. The scheduled events for a resource can be displayed in their own columns in timetable, week range and resource views. In timetable view the primary brush is used to paint the non-work time cells, and the secondary brush is used to paint the work time cells. In week range view the two brushes are used to alternately paint odd and even weeks.

See Also

Resource Members
Resource Class
com.mindfusion.scheduling.model Namespace

Resource.setId Method

Sets the string identifier of this resource.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setId (
    String value
)
```

Parameters

value
A string value identifying uniquely this resource instance.

Remarks

If you need to change its value, make sure the identifier is always unique.

See Also

Resource Members
Resource Class
com.mindfusion.scheduling.model Namespace

Resource.setName Method

Sets the name of the resource.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setName (
    String value
)
```

Parameters

value
A string containing the name of the resource. The default is an empty string.

See Also

Resource Members
Resource Class
com.mindfusion.scheduling.model Namespace

Resource.setTag Method

Sets custom data associated with the resource.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setTag (
    Object value
)
```

Parameters

value
An instance of any class derived from **Object**.

See Also

Resource Members
Resource Class
com.mindfusion.scheduling.model Namespace

ResourceList(R) Class

Represents a list of Resource objects.

Syntax

Java

```
public class ResourceList<R> extends BaseList<E>
```

Inheritance Hierarchy

java.lang.Object
  java.util.AbstractCollection(E)
    java.util.AbstractList(E)
      com.mindfusion.common.BaseList(E)
        com.mindfusion.scheduling.model.ResourceList(R)

See Also

ResourceList(R) Members
com.mindfusion.scheduling.model Namespace

ResourceList(R) Members

Represents a list of Resource objects.

The following tables list the members exposed by the ResourceList(R) type.

Public Constructors

	Name	Description
	ResourceList	Initializes a new instance of the **ResourceList** class.

Public Methods

	Name	Description
	add	Overloaded. (Inherited from BaseList.)
	addBaseListListener	Adds a BaseListListener to the list. (Inherited from BaseList.)
	clear	Removes all elements from the list. (Inherited from BaseList.)
	first	Gets the first element of this list. (Inherited from BaseList.)
	get	Gets the **Resource** object identified by the specified string.
	get	Returns the element at the specified position in the list. (Inherited from BaseList.)
	last	Gets the last element of this list. (Inherited from BaseList.)
	readExternal	(Inherited from BaseList.)
	remove	Overloaded. (Inherited from BaseList.)
	removeBaseListListener	Removes the specified **BaseListListener** from the list. (Inherited from BaseList.)
	set	Replaces the element at the specified position in this list with the specified element. (Inherited from BaseList.)
	size	Returns the number of elements in the list. (Inherited from BaseList.)
	writeExternal	(Inherited from BaseList.)

See Also

ResourceList(R) Class
com.mindfusion.scheduling.model Namespace

ResourceList(R) Constructor

Initializes a new instance of the ResourceList class.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public ResourceList ()
```

See Also

ResourceList(R) Methods

ResourceList(R).get Method

Gets the Resource object identified by the specified string.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public R get (
    String id
)
```

Parameters

id
The Resource.getId of the Resource to get.

Return Value

The **Resource** instance identified by the specified string.

See Also

ResourceList(R) Members
ResourceList(R) Class
com.mindfusion.scheduling.model Namespace

Schedule Class

Represents a timetable of scheduled events. In the model-view architecture, **Schedule** instances are the documents whose data is displayed by Calendar instances - the views.

Syntax

Java

```
public class Schedule
```

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.model.Schedule

See Also

Schedule Members

Represents a timetable of scheduled events. In the model-view architecture, Schedule instances are the documents whose data is displayed by Calendar instances - the views.

The following tables list the members exposed by the **Schedule** type.

Public Constructors

	Name	Description
	Schedule	Initializes a new instance of the **Schedule** class.

Public Fields

	Name	Description
	CurrentVersion	Current version of schedule file format.

Public Methods

	Name	Description
	addScheduleListener	Adds a ScheduleListener to the schedule.
	cancelCompositeOperation	Stops recording undo/redo commands into a CompositeCommand and discards the records created so far.
	clear	Clears all items, tasks, locations, contacts and resources contained in this schedule.
	commitCompositeOperation	Stops recording undo/redo commands into a **CompositeCommand** and saves the composite in the history queue.
	dispose	Disposes any resources used by this **Schedule** object.
	executeCommand	Executes the specified command on this schedule.
	getAllItems	Overloaded. Retrieves a list of all events scheduled to occur in a specified time interval.
	getCanRedo	Gets a value indicating whether there is a command in the redo history which can be redone.
	getCanUndo	Gets a value indicating whether there is a command in the undo history which can be undone.
	getContacts	Gets all contacts defined in the **Schedule**.
	getDisableReminders	Gets a value indicating whether to completely disable reminders in the whole schedule.
	getFreePeriod	Returns the next period after the specified date with the specified duration which is not occupied by items.

	getFreePeriodByContact	Returns the next period after the specified date with the specified duration, which is not occupied by items associated with the specified contacts.
	getFreePeriodByLocation	Returns the next period after the specified date with the specified duration, which is not occupied by items associated with the specified locations.
	getFreePeriodByResource	Returns the next period after the specified date with the specified duration, which is not occupied by items associated with the specified resources.
	getFreePeriodByTask	Returns the next period after the specified date with the specified duration, which is not occupied by items associated with the specified tasks.
	getItems	Gets all scheduled items.
	getItemsToRemindOf	Overloaded. Retrieves a list with all items that must be reminded of.
	getLocations	Gets all locations defined in the **Schedule**.
	getRemindersCheckInterval	Gets the interval between reminder checks, expressed in seconds.
	getResources	Gets all resources defined in the **Schedule**.
	getTasks	Gets all tasks defined in this **Schedule**.
	getTasksToRemindOf	Overloaded. Retrieves a list of all tasks that must be reminded of.
	getUndoEnabled	Gets a value indicating whether saving action records for later undo is enabled.
S	isClassRegistered	Overloaded. Checks whether an item or resource type is registered for serialization.
S	isClientClassRegistered	Checks whether an item or resource type with the specified id is registered for JSON serialization.
	loadFrom	Loads schedule data from a file.
	loadFromJson	Loads the schedule from a JSON-formatted string.
	loadFromJsonObject	Loads the schedule from a JSON object previously created by saveToJson.
	loadFromString	Decodes schedule data from a string previously created by saveToString.
	loadFromXml	Overloaded.
	redo	Executes again an action saved in the command history.
S	registerItemClass	Overloaded.
S	registerResourceClass	Overloaded.
	removeScheduleListener	Removes the specified **ScheduleListener** from the schedule.
	saveTo	Saves the schedule to a file.

	saveToJson	Saves the schedule to a JSON-formatted string. Use **loadFromJson** to restore the schedule data later.
	saveToJsonObject	Saves the schedule to a JSON object.
	saveToString	Encodes the schedule into a string.
	saveToXml	Overloaded.
	setDisableReminders	Sets a value indicating whether to completely disable reminders in the whole schedule.
	setRemindersCheckInterval	Sets the interval between reminder checks, expressed in seconds.
	setUndoEnabled	Sets a value indicating whether saving action records for later undo is enabled.
	startCompositeOperation	Starts recording undo/redo commands into a **CompositeCommand**.
	undo	Undoes an action saved in the command history.
S	unregisterClass	Overloaded. Unregisters an item or resource type from the system.

Protected Methods

	Name	Description
	onActionRedone	Raises the ScheduleListener.actionRedone event.
	onActionUndone	Raises the ScheduleListener.actionUndone event.
	onDeserializeTag	Raises the ScheduleListener.deserializeTag event.
	onExceptionCreated	Raises the ScheduleListener.exceptionCreated event.
	onInstantiateItem	Raises the ScheduleListener.instantiateItem event.
	onInstantiateResource	Raises the ScheduleListener.instantiateResource event.
	onItemEndTimeChanged	Raises the ScheduleListener.itemEndTimeChanged event.
	onItemEndTimeTriggered	Raises the ScheduleListener.itemEndTimeTriggered event.
	onItemReminderTriggered	Raises the ScheduleListener.itemReminderTriggered event.
	onItemResourceChanged	Raises the ScheduleListener.itemResourceChanged event.
	onItemStartTimeChanged	Raises the ScheduleListener.itemStartTimeChanged event.
	onItemVisualsChanged	Raises the ScheduleListener.itemVisualsChanged event.
	onJsonDeserializeTag	
	onJsonSerializeTag	
	onRecurrenceReset	Raises the ScheduleListener.recurrenceReset event.
	onSerializeTag	Raises the ScheduleListener.serializeTag event.
	onTaskReminderTriggered	Raises the ScheduleListener.taskReminderTriggered event.

See Also

Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule Fields

Schedule.CurrentVersion Field

Current version of schedule file format.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java
`public static final int CurrentVersion`

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule Constructor

Initializes a new instance of the Schedule class.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java
`public Schedule ()`

See Also

Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule Methods

Schedule.addScheduleListener Method

Adds a ScheduleListener to the schedule.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public void addScheduleListener (
    ScheduleListener listener
)
```

Parameters

listener
The ScheduleListener to be added.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.cancelCompositeOperation Method

Stops recording undo/redo commands into a CompositeCommand and discards the records created so far.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public void cancelCompositeOperation ()
```

Remarks

You must call either commitCompositeOperation or this method when the schedule modifications are done after a startCompositeOperation call.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.clear Method

Clears all items, tasks, locations, contacts and resources contained in this schedule.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public void clear ()
```

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.commitCompositeOperation Method

Stops recording undo/redo commands into a CompositeCommand and saves the composite in the history queue.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void commitCompositeOperation ()
```

Remarks

You must call either cancelCompositeOperation or this method when the schedule modifications are done after a startCompositeOperation call.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.dispose Method

Disposes any resources used by this Schedule object.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void dispose ()
```

Remarks

It is important to call **dispose** on the object when you are done using it, in order to stop the schedule's timer used to trigger reminder events.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.executeCommand Method

Executes the specified command on this schedule.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void executeCommand (
    Command command
)
```

Parameters

command
The Command to execute.

Remarks

If undo/redo is enabled, the command is saved in the undo history or added to the active composite command.

AddItemCommand and RemoveItemCommand objects are created automatically by the control when adding or removing items, both programmatically or interactively. Calling this method explicitly could be necessary in order to save item's state for later undo using a ChangeItemCommand, or to run a custom operation represented by a class derived from Command.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.getAllItems Method

Retrieves a list of all events scheduled to occur in a specified time interval.

Overload List

Name	Description
Schedule.getAllItems (DateTime, DateTime)	Retrieves a list of all events, including recurrent item instances, scheduled to occur in the specified time interval.
Schedule.getAllItems (DateTime, DateTime, Contact)	Retrieves a list of all events, including recurrent item instances, scheduled to occur in the specified time interval for a specific Contact object.
Schedule.getAllItems (DateTime, DateTime, Location)	Retrieves a list of all events, including recurrent item instances, scheduled to occur in the specified time interval for a specific Location object.
Schedule.getAllItems (DateTime, DateTime, Resource)	Retrieves a list of all events, including recurrent item instances, scheduled to occur in the specified time interval for a specific Resource object.

Schedule.getAllItems (DateTime, DateTime, Task)	Retrieves a list of all events, including recurrent item instances, scheduled to occur in the specified time interval for a specific Task object.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.getAllItems Method (DateTime, DateTime)

Retrieves a list of all events, including recurrent item instances, scheduled to occur in the specified time interval.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public ItemList getAllItems (
    DateTime startTime,
    DateTime endTime
)
```

Parameters

startTime
Time interval start.

endTime
Time interval end.

Return Value

A list that contains the events scheduled to occur in the specified period.

Remarks

If a recurring event occurs in the specified interval, each occurrence is represented by an Item instance whose Item.getRecurrenceState is RecurrenceState.Occurrence.

See Also

getAllItems Method Overload List
Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.getAllItems Method (DateTime, DateTime, Contact)

Retrieves a list of all events, including recurrent item instances, scheduled to occur in the specified time interval for a specific Contact object.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public ItemList getAllItems (
    DateTime startDate,
    DateTime endDate,
    Contact contact
)
```

Parameters

startDate
Specifies the start of the time period.

endDate
Specifies the end of the time period.

contact
A Contact instance that must be related to the items.

Return Value

A list that contains the events scheduled to occur in the specified period for the specified contact.

Remarks

If a recurring event occurs in the specified interval, each occurrence is represented by an Item instance whose Item.getRecurrenceState is RecurrenceState.Occurrence.

See Also

getAllItems Method Overload List
Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.getAllItems Method (DateTime, DateTime, Location)

Retrieves a list of all events, including recurrent item instances, scheduled to occur in the specified time interval for a specific Location object.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public ItemList getAllItems (
    DateTime startDate,
    DateTime endDate,
    Location location
)
```

Parameters

startDate
Specifies the start of the time period.

endDate
Specifies the end of the time period.

location
A Location instance that must be related to the items.

Return Value

A list that contains the events scheduled to occur in the specified period for the specified location.

Remarks

If a recurring event occurs in the specified interval, each occurrence is represented by an Item instance whose Item.getRecurrenceState is RecurrenceState.Occurrence.

See Also

getAllItems Method Overload List
Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.getAllItems Method (DateTime, DateTime, Resource)

Retrieves a list of all events, including recurrent item instances, scheduled to occur in the specified time interval for a specific Resource object.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public ItemList getAllItems (
    DateTime startDate,
    DateTime endDate,
    Resource resource
)
```

Parameters

startDate
Specifies the start of the time period.

endDate
Specifies the end of the time period.

resource
A Resource instance that must be related to the items.

Return Value

A list that contains the events scheduled to occur in the specified period for the specified resource.

Remarks

If a recurring event occurs in the specified interval, each occurrence is represented by an Item instance whose Item.getRecurrenceState is RecurrenceState.Occurrence.

See Also

getAllItems Method Overload List
Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.getAllItems Method (DateTime, DateTime, Task)

Retrieves a list of all events, including recurrent item instances, scheduled to occur in the specified time interval for a specific Task object.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public ItemList getAllItems (
    DateTime startDate,
    DateTime endDate,
    Task task
)
```

Parameters

startDate
Specifies the start of the time period.

endDate
Specifies the end of the time period.

task
A Task instance that must be related to the items.

Return Value

A list that contains the events scheduled to occur in the specified period for the specified task.

Remarks

If a recurring event occurs in the specified interval, each occurrence is represented by an Item instance whose Item.getRecurrenceState is RecurrenceState.Occurrence.

See Also

getAllItems Method Overload List
Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.getCanRedo Method

Gets a value indicating whether there is a command in the redo history which can be redone.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public boolean getCanRedo ()
```

Return Value

true, if the undo queue contains operations that can be undone; otherwise, **false**.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.getCanUndo Method

Gets a value indicating whether there is a command in the undo history which can be undone.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public boolean getCanUndo ()
```

Return Value

true, if the undo queue contains operations that can be undone; otherwise, **false**.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.getContacts Method

Gets all contacts defined in the Schedule.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public ResourceList<Contact> getContacts ()
```

Return Value

An instance of the ResourceList class containing all contacts used in the schedule.

Remarks

Add contacts to this collection before assigning them to a schedule item.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.getDisableReminders Method

Gets a value indicating whether to completely disable reminders in the whole schedule.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public boolean getDisableReminders ()
```

Return Value

true to disable reminders; **false** to enable them. The default is **false**.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.getFreePeriod Method

Returns the next period after the specified date with the specified duration which is not occupied by items.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public DateTime getFreePeriod (
    DateTime from,
    DateTime to,
    Duration duration
)
```

Parameters

from
The start date of the interval in which to search for a free period.

to
The end date of the interval in which to search for a free period.

duration
The required minimum duration of the period.

Return Value

A DateTime object representing the start time of the period found or DateTime.MinValue if none.

Remarks

If there are recurring items associated with a resource in the specified list, the function execution might take very long if a period with the specified duration doesn't exist.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.getFreePeriodByContact Method

Returns the next period after the specified date with the specified duration, which is not occupied by items associated with the specified contacts.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public DateTime getFreePeriodByContact (
    DateTime from,
    DateTime to,
    Duration duration,
    ResourceList<Contact> contacts
)
```

Parameters

from
The start date of the interval in which to search for a free period.

to
The end date of the interval in which to search for a free period.

duration
The required minimum duration of the period.

contacts
The contacts whose items should be considered when looking for the free period.

Return Value

A DateTime object representing the start time of the period found or DateTime.MinValue if none.

Remarks

If there are recurring items associated with a resource in the specified list, the function execution might take very long if a period with the specified duration doesn't exist.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.getFreePeriodByLocation Method

Returns the next period after the specified date with the specified duration, which is not occupied by items associated with the specified locations.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public DateTime getFreePeriodByLocation (
    DateTime from,
    DateTime to,
    Duration duration,
    ResourceList<Location> locations
)
```

Parameters

from
The start date of the interval in which to search for a free period.

to
The end date of the interval in which to search for a free period.

duration
The required minimum duration of the period.

locations
The locations whose items should be considered when looking for the free period.

Return Value

A DateTime object representing the start time of the period found or DateTime.MinValue if none.

Remarks

If there are recurring items associated with a resource in the specified list, the function execution might take very long if a period with the specified duration doesn't exist.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.getFreePeriodByResource Method

Returns the next period after the specified date with the specified duration, which is not occupied by items associated with the specified resources.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public DateTime getFreePeriodByResource (
    DateTime from,
    DateTime to,
    Duration duration,
    ResourceList<Resource> resources
)
```

Parameters

from
The start date of the interval in which to search for a free period.

to
The end date of the interval in which to search for a free period.

duration
The required minimum duration of the period.

resources
The resources whose items should be considered when looking for the free period.

Return Value

A DateTime object representing the start time of the period found or DateTime.MinValue if none.

Remarks

If there are recurring items associated with a resource in the specified list, the function execution might take very long if a period with the specified duration doesn't exist.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.getFreePeriodByTask Method

Returns the next period after the specified date with the specified duration, which is not occupied by items associated with the specified tasks.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public DateTime getFreePeriodByTask (
    DateTime from,
    DateTime to,
    Duration duration,
    ResourceList<Task> tasks
)
```

Parameters

from
The start date of the interval in which to search for a free period.

to
The end date of the interval in which to search for a free period.

duration
The required minimum duration of the period.

tasks
The tasks whose items should be considered when looking for the free period.

Return Value

A DateTime object representing the start time of the period found or DateTime.MinValue if none.

Remarks

If there are recurring items associated with a resource in the specified list, the function execution might take very long if a period with the specified duration doesn't exist.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.getItems Method

Gets all scheduled items.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public ItemList getItems ()
```

Return Value

An instance of the ItemList class containing all items in the schedule.

Remarks

The Calendar component displays each element of this collection in the time cells corresponding to the item's Item.getStartTime and Item.getEndTime.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.getItemsToRemindOf Method

Retrieves a list with all items that must be reminded of.

Overload List

Name	Description
Schedule.getItemsToRemindOf ()	Retrieves a list with all items that must be reminded of at the current time.
Schedule.getItemsToRemindOf (DateTime)	Retrieves a list with all items that must be reminded of at the specified time.
Schedule.getItemsToRemindOf (DateTime, DateTime)	Retrieves a list with all items that must be reminded of in the specified interval.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.getItemsToRemindOf Method ()

Retrieves a list with all items that must be reminded of at the current time.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java
`public ItemList getItemsToRemindOf ()`

Return Value

The list of all items whose reminders must be displayed at the current time.

See Also

getItemsToRemindOf Method Overload List
Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.getItemsToRemindOf Method (DateTime)

Retrieves a list with all items that must be reminded of at the specified time.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public ItemList getItemsToRemindOf (
    DateTime time
)
```

Parameters

time
Determine whether any reminders should be displayed at this time.

Return Value

The list of all items whose reminders must be displayed at the specified time.

See Also

getItemsToRemindOf Method Overload List
Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.getItemsToRemindOf Method (DateTime, DateTime)

Retrieves a list with all items that must be reminded of in the specified interval.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public ItemList getItemsToRemindOf (
    DateTime start,
    DateTime end
)
```

Parameters

start
The start of the time interval containing the items of interest.

end
The end of the time interval containing the items of interest.

Return Value

The list of all items whose reminders must be displayed in the specified time interval.

See Also

getItemsToRemindOf Method Overload List
Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.getLocations Method

Gets all locations defined in the Schedule.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public ResourceList<Location> getLocations ()
```

Return Value

An instance of the ResourceList class containing all locations associated with this schedule.

Remarks

Add locations to this collection before assigning them to schedule items.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.getRemindersCheckInterval Method

Gets the interval between reminder checks, expressed in seconds.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public int getRemindersCheckInterval ()
```

Return Value

A positive integer value specifying the time between subsequent reminder checks.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.getResources Method

Gets all resources defined in the Schedule.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java
`public ResourceList<Resource> getResources ()`

Return Value

An instance of the ResourceList class containing all resources associated with this schedule.

Remarks

Add resources to this collection before assigning them to schedule items.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.getTasks Method

Gets all tasks defined in this Schedule.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java
`public ResourceList<Task> getTasks ()`

Return Value

An instance of the ResourceList class containing references to the tasks assigned to the schedule.

Remarks

If you need to assign a Task object to schedule items, add the task to this collection before assigning it to the item.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.getTasksToRemindOf Method

Retrieves a list of all tasks that must be reminded of.

Overload List

Name	Description

Schedule.getTasksToRemindOf ()	Retrieves a list of all tasks that must be reminded of at the current time.
Schedule.getTasksToRemindOf (DateTime)	Retrieves a list of all tasks that must be reminded of at the specified time.
Schedule.getTasksToRemindOf (DateTime, DateTime)	Retrieves a list of all tasks that must be reminded of in the specified interval.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.getTasksToRemindOf Method ()

Retrieves a list of all tasks that must be reminded of at the current time.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public ResourceList<Task> getTasksToRemindOf ()
```

Return Value

The list of all tasks whose reminders must be displayed at the current time.

See Also

getTasksToRemindOf Method Overload List
Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.getTasksToRemindOf Method (DateTime)

Retrieves a list of all tasks that must be reminded of at the specified time.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public ResourceList<Task> getTasksToRemindOf (
    DateTime time
)
```

Parameters

time

Determine whether any task reminders should be displayed at this time.

Return Value

The list of all tasks whose reminders must be displayed at the specified time.

See Also

getTasksToRemindOf Method Overload List
Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.getTasksToRemindOf Method (DateTime, DateTime)

Retrieves a list of all tasks that must be reminded of in the specified interval.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public ResourceList<Task> getTasksToRemindOf (
    DateTime start,
    DateTime end
)
```

Parameters

start
The start of the time interval containing the tasks of interest.

end
The end of the time interval containing the tasks of interest.

Return Value

The list of all tasks whose reminders must be displayed in the specified time interval.

See Also

getTasksToRemindOf Method Overload List
Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.getUndoEnabled Method

Gets a value indicating whether saving action records for later undo is enabled.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public boolean getUndoEnabled ()
```

Return Value

true, to save actions for later undo; otherwise, **false**. The default is **false**.

Remarks

To undo the last recorded action, call the undo method. It can be redone again by calling redo. Custom operations can be integrated into the undo/redo system by deriving from the Command class and running the operations by means of the executeCommand method.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.isClassRegistered Method

Checks whether an item or resource type is registered for serialization.

Overload List

Name	Description
Schedule.isClassRegistered (Class(?))	Checks whether the specified item or resource type is registered for serialization.
Schedule.isClassRegistered (String)	Checks whether an item or resource type with the specified id is registered for serialization.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.isClassRegistered Method (Class(?))

Checks whether the specified item or resource type is registered for serialization.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public static boolean isClassRegistered (
    Class<?> classType
)
```

Parameters

classType

The type of an item or a resource.

Return Value

true if the specified class identifier is already registered; otherwise, **false**.

See Also

isClassRegistered Method Overload List
Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.isClassRegistered Method (String)

Checks whether an item or resource type with the specified id is registered for serialization.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public static boolean isClassRegistered (
    String classId
)
```

Parameters

classId
The string identifier of an item or resource class.

Return Value

true if the specified class identifier is already registered; otherwise, **false**.

See Also

isClassRegistered Method Overload List
Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.isClientClassRegistered Method

Checks whether an item or resource type with the specified id is registered for JSON serialization.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public static boolean isClientClassRegistered (
    String classId
)
```

Parameters

classId
The string identifier of an item or resource class.

Return Value

true if the specified class identifier is already registered; otherwise, false.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.loadFrom Method

Loads schedule data from a file.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public boolean loadFrom (
    String fileName,
    ContentType contentType
)
```

Parameters

fileName
The name of the file from which to load the schedule.

contentType
One of the ContentType constants.

Return Value

Remarks

This method loads the schedule data from a file where it was previously saved by a call to saveTo. Any data contained in the schedule is discarded before the items stored in the file are loaded.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.loadFromJson Method

Loads the schedule from a JSON-formatted string.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public void loadFromJson (
    String json
)
```

Parameters

json
A string created by the saveToJson method.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.loadFromJsonObject Method

Loads the schedule from a JSON object previously created by saveToJson.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public void loadFromJsonObject (
    JsonObject obj,
    JsonSerializationContext context
)
```

Parameters

obj
A JsonObject containing schedule data.

context
A JsonSerializationContext object providing contextual information about the serialization process and helper serialization methods.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.loadFromString Method

Decodes schedule data from a string previously created by saveToString.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

`public boolean loadFromString (`
`    String content,`
`    ContentType contentType`
`)`

Parameters

content
A string that contains schedule data.

contentType
One of the ContentType constants.

Return Value

Remarks

This method loads from a string data previously saved by saveToString.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.loadFromXml Method

Overload List

Name	Description
Schedule.loadFromXml (Document)	Loads schedule data from an XML document.
Schedule.loadFromXml (String)	Loads the contents of the XML schedule document.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.loadFromXml Method (Document)

Loads schedule data from an XML document.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java
`public void loadFromXml (` `    Document document`

```
)
```

Parameters

document
A **Document** instance that allows reading data from the XML document.

Remarks

Loads schedule items from an XML document previously created by saveToXml. Any data contained in the schedule is discarded before the items stored in the reader are loaded.

See Also

loadFromXml Method Overload List
Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.loadFromXml Method (String)

Loads the contents of the XML schedule document.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void loadFromXml (
    String filePath
)
```

Parameters

filePath
Path and name of the XML file the data should be read from.

See Also

loadFromXml Method Overload List
Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.onActionRedone Method

Raises the ScheduleListener.actionRedone event.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
protected void onActionRedone (
    UndoEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.onActionUndone Method

Raises the ScheduleListener.actionUndone event.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
protected void onActionUndone (
    UndoEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.onDeserializeTag Method

Raises the ScheduleListener.deserializeTag event.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
protected void onDeserializeTag (
    SerializeTagEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.onExceptionCreated Method

Raises the ScheduleListener.exceptionCreated event.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
protected void onExceptionCreated (
    ItemEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.onInstantiateItem Method

Raises the ScheduleListener.instantiateItem event.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
protected void onInstantiateItem (
    InstantiateItemEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.onInstantiateResource Method

Raises the ScheduleListener.instantiateResource event.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
protected void onInstantiateResource (
    InstantiateResourceEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.onItemEndTimeChanged Method

Raises the ScheduleListener.itemEndTimeChanged event.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
protected void onItemEndTimeChanged (
    ItemTimeEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.onItemEndTimeTriggered Method

Raises the ScheduleListener.itemEndTimeTriggered event.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
protected void onItemEndTimeTriggered (
    ItemEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.onItemReminderTriggered Method

Raises the ScheduleListener.itemReminderTriggered event.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
protected void onItemReminderTriggered (
    ItemEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.onItemResourceChanged Method

Raises the ScheduleListener.itemResourceChanged event.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
protected void onItemResourceChanged (
    ItemEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.onItemStartTimeChanged Method

Raises the ScheduleListener.itemStartTimeChanged event.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
protected void onItemStartTimeChanged (
    ItemTimeEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.onItemVisualsChanged Method

Raises the ScheduleListener.itemVisualsChanged event.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
```

```
protected void onItemVisualsChanged (
    ItemEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.onJsonDeserializeTag Method

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
protected void onJsonDeserializeTag (
    JsonSerializeTagEvent e
)
```

Parameters

e

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.onJsonSerializeTag Method

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
protected void onJsonSerializeTag (
    JsonSerializeTagEvent e
)
```

Parameters

e

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.onRecurrenceReset Method

Raises the ScheduleListener.recurrenceReset event.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
protected void onRecurrenceReset (
    ItemEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.onSerializeTag Method

Raises the ScheduleListener.serializeTag event.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
protected void onSerializeTag (
    SerializeTagEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.onTaskReminderTriggered Method

Raises the ScheduleListener.taskReminderTriggered event.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
protected void onTaskReminderTriggered (
    TaskEvent e
)
```

Parameters

e
An object, containing the event data.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.redo Method

Executes again an action saved in the command history.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void redo ()
```

Remarks

The control supports unlimited undo/redo depth. This method moves the "current command" pointer one position back, and calling it again will undo the previous command. The commands can be undone by calling undo.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.registerItemClass Method

Overload List

Name	Description
Schedule.registerItemClass (Class(?), String, Int32)	Registers a schedule item class for serialization support.
Schedule.registerItemClass (Class(?), String, Int32, String)	Registers a schedule item class for serialization support.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.registerItemClass Method (Class(?), String, Int32)

Registers a schedule item class for serialization support.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public static void registerItemClass (
    Class<? extends Item> itemClass,
    String classId,
    int classVersion
)
```

Parameters

itemClass
A **Class** instance identifying the item class.

classId
A class identifier to use when saving and loading items of the specified type.

classVersion
A revision number of the item's class serialization format.

Remarks

When using custom item classes, use this method to enable saving and loading the custom item objects to/from XML files. The class id string is written before each item's data, and when loading items later that string indicates to the schedule what class instance to create and let it load the subsequent data. The following class identifiers are reserved and should not be used: 'std:appointment', 'std:resource', 'std:contact', 'std:location' and 'std:task'.

The version identifier must be increased when the format in which items are saved changes. It is used when loading files to let your application load items data from an older format.

Note: All custom item classes must provide a parameterless constructor. Failing to do so would result in exceptions during the load process, since the schedule will be unable to create custom items.

See Also

registerItemClass Method Overload List
Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.registerItemClass Method (Class(?), String, Int32, String)

Registers a schedule item class for serialization support.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public static void registerItemClass (
    Class<? extends Item> itemClass,
    String classId,
    int classVersion,
    String clientClass
)
```

Parameters

itemClass
A Type instance identifying the item class.

classId
A class identifier to use when saving and loading items of the specified type.

classVersion
A revision number of the item's class serialization format.

clientClass
A class identifier to use when serializing objects of the specified type to JSON.

See Also

registerItemClass Method Overload List
Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.registerResourceClass Method

Overload List

Name	Description
Schedule.registerResourceClass (Class(?), String, Int32)	Registers a resource class for serialization support.
Schedule.registerResourceClass (Class(?), String, Int32, String)	Registers a resource class for serialization support.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.registerResourceClass Method (Class(?), String, Int32)

Registers a resource class for serialization support.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public static void registerResourceClass (
    Class<? extends Resource> resourceClass,
    String classId,
    int classVersion
)
```

Parameters

resourceClass
A **Class** instance identifying the resource class.

classId
A class identifier to use when saving and loading resources

classVersion
A revision number of the resource's class serialization format.

Remarks

When using custom resource classes, use this method to enable saving and loading the custom resource objects to/from XML files. The class id string is written before each resource's data, and when loading resources later that string indicates to the schedule what class instance to create and let it load the subsequent data. The following class identifiers are reserved and should not be used: 'std:appointment', 'std:resource', 'std:contact', 'std:location' and 'std:task'.

The version identifier must be increased when the format in which resources are saved changes. It is used when loading files to let your application load resources data from an older format.

Note: All custom resource classes must provide a parameterless constructor. Failing to do so would result in exceptions during the load process, since the schedule will be unable to create custom resources.

See Also

registerResourceClass Method Overload List
Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.registerResourceClass Method (Class(?), String, Int32, String)

Registers a resource class for serialization support.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public static void registerResourceClass (
    Class<? extends Resource> resourceClass,
    String classId,
    int classVersion,
    String clientClass
)
```

Parameters

resourceClass
A Type instance identifying the resource class.

classId
A class identifier to use when saving and loading resources of the specified type.

classVersion
A revision number of the resource's class serialization format.

clientClass
A class identifier to use when serializing objects of the specified type to JSON.

See Also

registerResourceClass Method Overload List
Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.removeScheduleListener Method

Removes the specified ScheduleListener from the schedule.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public void removeScheduleListener (
    ScheduleListener listener
)
```

Parameters

listener
The listener to be removed.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.saveTo Method

Saves the schedule to a file.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public boolean saveTo (
    String filePath,
    ContentType contentType
)
```

Parameters

filePath
Path and name of the file where the schedule should be saved.

contentType
One of the ContentType constants.

Return Value

Remarks

Use loadFrom to restore the data later.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.saveToJson Method

Saves the schedule to a JSON-formatted string. Use loadFromJson to restore the schedule data later.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public String saveToJson ()
```

Return Value

A string containing the schedule's JSON representation.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.saveToJsonObject Method

Saves the schedule to a JSON object.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void saveToJsonObject (
    JsonObject obj,
    JsonSerializationContext context
)
```

Parameters

obj
A JsonObject the schedule's data should be stored into.

context
A JsonSerializationContext object providing contextual information about the serialization process and helper serialization methods.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.saveToString Method

Encodes the schedule into a string.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public String saveToString (
    ContentType contentType
)
```

Parameters

contentType
One of the ContentType constants.

Return Value

A string containing all schedule data.

Remarks

Saves the schedule data into a JSON or XML string. Use loadFromString to restore the data later.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.saveToXml Method

Overload List

Name	Description
Schedule.saveToXml (Document)	Saves the schedule to an XML document.
Schedule.saveToXml (String)	Saves the schedule to the specified XML document.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.saveToXml Method (Document)

Saves the schedule to an XML document.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void saveToXml (
    Document document
)
```

Parameters

document
A **Document** object that allows adding data to the XML document.

Remarks

Saves the schedule data as tags in an XML document. Use loadFromXml to restore the schedule data later.

See Also

saveToXml Method Overload List
Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.saveToXml Method (String)

Saves the schedule to the specified XML document.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void saveToXml (
    String filePath
)
```

Parameters

filePath
Path and name of the file where the schedule should be saved.

See Also

saveToXml Method Overload List
Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.setDisableReminders Method

Sets a value indicating whether to completely disable reminders in the whole schedule.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setDisableReminders (
    boolean value
)
```

Parameters

value
true to disable reminders; false to enable them. The default is **false**.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.setRemindersCheckInterval Method

Sets the interval between reminder checks, expressed in seconds.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setRemindersCheckInterval (
    int value
)
```

Parameters

value
A positive integer value specifying the time between subsequent reminder checks.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.setUndoEnabled Method

Sets a value indicating whether saving action records for later undo is enabled.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setUndoEnabled (
    boolean value
)
```

Parameters

value
true, to save actions for later undo; otherwise, **false**. The default is **false**.

Remarks

To undo the last recorded action, call the undo method. It can be redone again by calling redo. Custom operations can be integrated into the undo/redo system by deriving from the Command class and running the operations by means of the executeCommand method.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.startCompositeOperation Method

Starts recording undo/redo commands into a CompositeCommand.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void startCompositeOperation ()
```

Remarks

After the schedule modifications are done, call commitCompositeOperation or cancelCompositeOperation.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.undo Method

Undoes an action saved in the command history.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void undo ()
```

Remarks

The control supports unlimited undo/redo depth. This method moves the "current command" pointer one position back, and calling it again will undo the previous command. The commands can later be redone by calling redo.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.unregisterClass Method

Unregisters an item or resource type from the system.

Overload List

Name	Description
Schedule.unregisterClass (Class(?))	Unregisters the specified item or resource type from the system.
Schedule.unregisterClass (String)	Unregisters the item or resource with the specified class id from the system.

See Also

Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.unregisterClass Method (Class(?))

Unregisters the specified item or resource type from the system.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public static void unregisterClass (
    Class<?> classType
)
```

Parameters

classType
The type of an item or a resource.

See Also

unregisterClass Method Overload List
Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

Schedule.unregisterClass Method (String)

Unregisters the item or resource with the specified class id from the system.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public static void unregisterClass (
    String classId
)
```

Parameters

classId
The string identifier of an item or resource class.

See Also

unregisterClass Method Overload List
Schedule Members
Schedule Class
com.mindfusion.scheduling.model Namespace

ScheduleAdapter Class

Provides empty implementations for the methods defined in the ScheduleListener interface. This lets you override only the handlers for the events you are interested in, instead of implementing all methods of **ScheduleListener**.

Syntax

Java
`public class ScheduleAdapter implements ScheduleListener`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.model.ScheduleAdapter

See Also

ScheduleAdapter Members
com.mindfusion.scheduling.model Namespace

ScheduleAdapter Members

Provides empty implementations for the methods defined in the ScheduleListener interface. This lets you override only the handlers for the events you are interested in, instead of implementing all methods of **ScheduleListener**.

The following tables list the members exposed by the ScheduleAdapter type.

Public Constructors

	Name	Description
	ScheduleAdapter	Initializes a new instance of the **ScheduleAdapter** class.

Public Methods

	Name	Description
	actionRedone	
	actionUndone	
	changed	

	deserializeTag	
	exceptionCreated	
	instantiateItem	
	instantiateResource	
	itemEndTimeChanged	
	itemEndTimeTriggered	
	itemReminderTriggered	
	itemResourceChanged	
	itemStartTimeChanged	
	itemVisualsChanged	
	jsonDeserializeTag	
	jsonSerializeTag	
	recurrenceReset	
	serializeTag	
	taskReminderTriggered	

See Also

ScheduleAdapter Class
com.mindfusion.scheduling.model Namespace

ScheduleAdapter Constructor

Initializes a new instance of the ScheduleAdapter class.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public ScheduleAdapter ()
```

See Also

ScheduleAdapter Class
com.mindfusion.scheduling.model Namespace

ScheduleAdapter Methods

ScheduleAdapter.actionRedone Method

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void actionRedone (
    UndoEvent e
)
```

Parameters

e
An UndoEvent object.

See Also

ScheduleAdapter Members
ScheduleAdapter Class
com.mindfusion.scheduling.model Namespace

ScheduleAdapter.actionUndone Method

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void actionUndone (
    UndoEvent e
)
```

Parameters

e
An UndoEvent object.

See Also

ScheduleAdapter Members
ScheduleAdapter Class
com.mindfusion.scheduling.model Namespace

ScheduleAdapter.changed Method

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void changed (
    EventObject e
)
```

Parameters

e
An **EventObject** object.

See Also

ScheduleAdapter Members
ScheduleAdapter Class
com.mindfusion.scheduling.model Namespace

ScheduleAdapter.deserializeTag Method

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void deserializeTag (
    SerializeTagEvent e
)
```

Parameters

e
A SerializeTagEvent object.

See Also

ScheduleAdapter Members
ScheduleAdapter Class
com.mindfusion.scheduling.model Namespace

ScheduleAdapter.exceptionCreated Method

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void exceptionCreated (
    ItemEvent e
)
```

Parameters

e

An ItemEvent object.

See Also

ScheduleAdapter Members
ScheduleAdapter Class
com.mindfusion.scheduling.model Namespace

ScheduleAdapter.instantiateItem Method

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void instantiateItem (
    InstantiateItemEvent e
)
```

Parameters

e
An InstantiateItemEvent object.

See Also

ScheduleAdapter Members
ScheduleAdapter Class
com.mindfusion.scheduling.model Namespace

ScheduleAdapter.instantiateResource Method

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void instantiateResource (
    InstantiateResourceEvent e
)
```

Parameters

e
An InstantiateResourceEvent object.

See Also

ScheduleAdapter Members
ScheduleAdapter Class
com.mindfusion.scheduling.model Namespace

ScheduleAdapter.itemEndTimeChanged Method

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void itemEndTimeChanged (
    ItemTimeEvent e
)
```

Parameters

e
An ItemTimeEvent object.

See Also

ScheduleAdapter Members
ScheduleAdapter Class
com.mindfusion.scheduling.model Namespace

ScheduleAdapter.itemEndTimeTriggered Method

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void itemEndTimeTriggered (
    ItemEvent e
)
```

Parameters

e
An ItemEvent object.

See Also

ScheduleAdapter Members
ScheduleAdapter Class
com.mindfusion.scheduling.model Namespace

ScheduleAdapter.itemReminderTriggered Method

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void itemReminderTriggered (
    ItemEvent e
)
```

Parameters

e
An ItemEvent object.

See Also

ScheduleAdapter Members
ScheduleAdapter Class
com.mindfusion.scheduling.model Namespace

ScheduleAdapter.itemResourceChanged Method

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void itemResourceChanged (
    ItemEvent e
)
```

Parameters

e
An ItemEvent object.

See Also

ScheduleAdapter Members
ScheduleAdapter Class
com.mindfusion.scheduling.model Namespace

ScheduleAdapter.itemStartTimeChanged Method

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void itemStartTimeChanged (
    ItemTimeEvent e
)
```

Parameters

e
An ItemTimeEvent object.

See Also

ScheduleAdapter Members
ScheduleAdapter Class
com.mindfusion.scheduling.model Namespace

ScheduleAdapter.itemVisualsChanged Method

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void itemVisualsChanged (
    ItemEvent e
)
```

Parameters

e
An ItemEvent object.

See Also

ScheduleAdapter Members
ScheduleAdapter Class
com.mindfusion.scheduling.model Namespace

ScheduleAdapter.jsonDeserializeTag Method

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void jsonDeserializeTag (
    JsonSerializeTagEvent e
)
```

Parameters

e

See Also

ScheduleAdapter Members
ScheduleAdapter Class
com.mindfusion.scheduling.model Namespace

ScheduleAdapter.jsonSerializeTag Method

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void jsonSerializeTag (
    JsonSerializeTagEvent e
)
```

Parameters

e

See Also

ScheduleAdapter Members
ScheduleAdapter Class
com.mindfusion.scheduling.model Namespace

ScheduleAdapter.recurrenceReset Method

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void recurrenceReset (
    ItemEvent e
)
```

Parameters

e
An ItemEvent object.

See Also

ScheduleAdapter Members
ScheduleAdapter Class
com.mindfusion.scheduling.model Namespace

ScheduleAdapter.serializeTag Method

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void serializeTag (
    SerializeTagEvent e
)
```

Parameters

e
A SerializeTagEvent object.

See Also

ScheduleAdapter Members
ScheduleAdapter Class
com.mindfusion.scheduling.model Namespace

ScheduleAdapter.taskReminderTriggered Method

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void taskReminderTriggered (
    TaskEvent e
)
```

Parameters

e
A TaskEvent object.

See Also

ScheduleAdapter Members
ScheduleAdapter Class
com.mindfusion.scheduling.model Namespace

ScheduleListener Interface

Defines the events raised by the Schedule class.

Syntax

Java

```
public interface ScheduleListener extends ChangeListener
```

Inheritors

com.mindfusion.scheduling.model.ScheduleAdapter

See Also

ScheduleListener Members
com.mindfusion.scheduling.model Namespace

ScheduleListener Members

Defines the events raised by the Schedule class.

The following tables list the members exposed by the ScheduleListener type.

Public Methods

	Name	Description
	actionRedone	Raised when an action is redone.
	actionUndone	Raised when an action is undone.
	deserializeTag	Raised during XML deserialization to enable users to perform custom deserialization of the tag values of items and resources.
	exceptionCreated	Raised when a recurrence exception item is created.
	instantiateItem	Raised when deserializing a custom item whose type has not been registered.
	instantiateResource	Raised when deserializing a custom resource whose type has not been registered.
	itemEndTimeChanged	Raised when the Item.getEndTime of an item in this **Schedule** has changed.
	itemEndTimeTriggered	Raised when the reminder for an item is triggered, but taking into consideration the item's end time for the purpose.
	itemReminderTriggered	Raised when the reminder for an item is triggered.
	itemResourceChanged	Raised when any of the associated resources of an item in the schedule has changed.
	itemStartTimeChanged	Raised when the Item.getStartTime of an item in this **Schedule** has changed.
	itemVisualsChanged	Raised when the appearance of an item in the schedule has changed.
	jsonDeserializeTag	Raised when the Tag of a schedule item or resource must be deserialized from JSON.

	jsonSerializeTag	Raised when the **Tag** of a schedule item or resource must be serialized to JSON.
	recurrenceReset	Raised when the recurrence pattern associated with an item has been reset, causing all associated exception items to be lost.
	serializeTag	Raised during XML serialization to enable users to perform custom serialization of the tag values of items and resources.
	taskReminderTriggered	Raised when the reminder for a task is triggered.

See Also

ScheduleListener Interface
com.mindfusion.scheduling.model Namespace

ScheduleListener Methods

ScheduleListener.actionRedone Method

Raised when an action is redone.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
void actionRedone (
    UndoEvent e
)
```

Parameters

e
An UndoEvent object.

Remarks

This event is raised during calls to Schedule.redo. It is raised both for top-level commands and for the constituent actions of composite commands.

See Also

ScheduleListener Members
ScheduleListener Interface
com.mindfusion.scheduling.model Namespace

ScheduleListener.actionUndone Method

Raised when an action is undone.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
void actionUndone (
    UndoEvent e
)
```

Parameters

e
An UndoEvent object.

Remarks

This event is raised during calls to Schedule.undo. It is raised both for top-level commands and for the constituent actions of composite commands.

See Also

ScheduleListener Members
ScheduleListener Interface
com.mindfusion.scheduling.model Namespace

ScheduleListener.deserializeTag Method

Raised during XML deserialization to enable users to perform custom deserialization of the tag values of items and resources.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
void deserializeTag (
    SerializeTagEvent e
)
```

Parameters

e
A SerializeTagEvent object.

Remarks

This event is being raised during the deserialization of item and resource tag values from a XML document. If the event is not handled the system will try to deserialize the tags as an arbitrary objects.

See Also

ScheduleListener Members
ScheduleListener Interface
com.mindfusion.scheduling.model Namespace

ScheduleListener.exceptionCreated Method

Raised when a recurrence exception item is created.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
void exceptionCreated (
    ItemEvent e
)
```

Parameters

e
An ItemEvent object.

Remarks

An exception is created if a user drags an occurrence of a recurring event thus changing its time, or changes its text.

See Also

ScheduleListener Members
ScheduleListener Interface
com.mindfusion.scheduling.model Namespace

ScheduleListener.instantiateItem Method

Raised when deserializing a custom item whose type has not been registered.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
void instantiateItem (
    InstantiateItemEvent e
)
```

Parameters

e
An InstantiateItemEvent object.

Remarks

This event is being raised during deserialization for all custom items whose types have not been previously registered within the system through a call to Schedule.registerItemClass. The event provides an alternative way for instantiating item of custom types.

See Also

ScheduleListener Members
ScheduleListener Interface
com.mindfusion.scheduling.model Namespace

ScheduleListener.instantiateResource Method

Raised when deserializing a custom resource whose type has not been registered.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
void instantiateResource (
    InstantiateResourceEvent e
)
```

Parameters

e
An InstantiateResourceEvent object.

Remarks

This event is being raised during deserialization for all custom resources whose types have not been previously registered within the system through a call to Schedule.registerResourceClass. The event provides an alternative way for instantiating resources of custom types.

See Also

ScheduleListener Members
ScheduleListener Interface
com.mindfusion.scheduling.model Namespace

ScheduleListener.itemEndTimeChanged Method

Raised when the Item.getEndTime of an item in this Schedule has changed.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
void itemEndTimeChanged (
    ItemTimeEvent e
)
```

Parameters

e
An ItemTimeEvent object.

Remarks

The ItemTimeEvent.getTime property provides the previous Item.getEndTime value of the item.

See Also

ScheduleListener Members
ScheduleListener Interface
com.mindfusion.scheduling.model Namespace

ScheduleListener.itemEndTimeTriggered Method

Raised when the reminder for an item is triggered, but taking into consideration the item's end time for the purpose.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
void itemEndTimeTriggered (
    ItemEvent e
)
```

Parameters

e
An ItemEvent object.

See Also

ScheduleListener Members
ScheduleListener Interface
com.mindfusion.scheduling.model Namespace

ScheduleListener.itemReminderTriggered Method

Raised when the reminder for an item is triggered.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
void itemReminderTriggered (
    ItemEvent e
)
```

Parameters

e
An ItemEvent object.

See Also

ScheduleListener Members
ScheduleListener Interface
com.mindfusion.scheduling.model Namespace

ScheduleListener.itemResourceChanged Method

Raised when any of the associated resources of an item in the schedule has changed.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
void itemResourceChanged (
    ItemEvent e
)
```

Parameters

e
An ItemEvent object.

See Also

ScheduleListener Members
ScheduleListener Interface
com.mindfusion.scheduling.model Namespace

ScheduleListener.itemStartTimeChanged Method

Raised when the Item.getStartTime of an item in this Schedule has changed.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
void itemStartTimeChanged (
    ItemTimeEvent e
)
```

Parameters

e
An ItemTimeEvent object.

Remarks

The ItemTimeEvent.getTime property provides the previous Item.getStartTime value of the item.

See Also

ScheduleListener Members
ScheduleListener Interface
com.mindfusion.scheduling.model Namespace

ScheduleListener.itemVisualsChanged Method

Raised when the appearance of an item in the schedule has changed.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
void itemVisualsChanged (
    ItemEvent e
)
```

Parameters

e
An ItemEvent object.

See Also

ScheduleListener Members
ScheduleListener Interface
com.mindfusion.scheduling.model Namespace

ScheduleListener.jsonDeserializeTag Method

Raised when the Tag of a schedule item or resource must be deserialized from JSON.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
void jsonDeserializeTag (
    JsonSerializeTagEvent e
)
```

Parameters

e
A JsonSerializeTagEvent object.

Remarks

If the event is not handled, the control automatically deserializes primitive tag values.

See Also

ScheduleListener.jsonSerializeTag Method

Raised when the Tag of a schedule item or resource must be serialized to JSON.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
void jsonSerializeTag (
    JsonSerializeTagEvent e
)
```

Parameters

e
A JsonSerializeTagEvent object.

Remarks

If the event is not handled, the control automatically serializes primitive tag values.

Example

The following code shows how to serialize a simple structure as a JsonObject. **JsonObject** derives from **HashMap<String, JsonValue>**, where JsonValue is a boxing class that can contain primitive values and **JsonObject** itself (so you could nest objects).

Java

```
schedule.addScheduleListener(
    new ScheduleAdapter()
    {
        @Override
        public void jsonSerializeTag(JsonSerializeTagEvent e)
        {
            if (e.getTag() instanceof MyTag)
            {
                MyTag myTag = (MyTag) e.getTag();

                e.setRepresentation(myTag.writeJson());
                e.setHandled(true);
            }
        }

        @Override
        public void jsonDeserializeTag(JsonSerializeTagEvent e)
        {
            if (e.getObject() instanceof Appointment)
            {
                MyTag myTag = new MyTag();
                myTag.readJson(e.getRepresentation());

                e.setTag(myTag);
                e.setHandled(true);
            }
        }
```

```
    });

public class MyTag
{
    private String name;
    private double value;
    private boolean flag;

    public MyTag() {}

    public MyTag(String name, double value, boolean flag)
    {
        this.name = name;
        this.value = value;
        this.flag = flag;
    }

    public String getName() { return name; }
    public void setName(String name)
    {
        this.name = name;
    }

    public double getValue() { return value; }
    public void setValue(double value)
    {
        this.value = value;
    }

    public boolean getFlag() { return flag; }
    public void setFlag(boolean flag)
    {
        this.flag = flag;
    }

    public JsonObject writeJson()
    {
        JsonObject obj = new JsonObject();
        obj.put("Name", new JsonValue(name));
        obj.put("Value", new JsonValue(value));
        obj.put("Flag", new JsonValue(flag));
        return obj;
    }

    public void readJson(JsonObject json)
    {
        this.name = JsonValue.toString(json.getValue("Name"));
        this.value = JsonValue.toDouble(json.getValue("Value"));
        this.flag = JsonValue.toBoolean(json.getValue("Flag"));
    }
}
```

See Also

ScheduleListener Members
ScheduleListener Interface
com.mindfusion.scheduling.model Namespace

ScheduleListener.recurrenceReset Method

Raised when the recurrence pattern associated with an item has been reset, causing all associated exception items to be lost.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
void recurrenceReset (
    ItemEvent e
)
```

Parameters

e
An ItemEvent object.

Remarks

The recurrence is reset when the value of any of the properties that define it is changed. The recurrence is also reset when it is associated to or dissociated from an item.

See Also

ScheduleListener Members
ScheduleListener Interface
com.mindfusion.scheduling.model Namespace

ScheduleListener.serializeTag Method

Raised during XML serialization to enable users to perform custom serialization of the tag values of items and resources.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
void serializeTag (
    SerializeTagEvent e
)
```

Parameters

e
A SerializeTagEvent object.

Remarks

This event is being raised during the serialization of item and resource tag values in a XML document. If the event is not handled the system will try to serialize the tags as an arbitrary objects.

See Also

ScheduleListener Members
ScheduleListener Interface
com.mindfusion.scheduling.model Namespace

ScheduleListener.taskReminderTriggered Method

Raised when the reminder for a task is triggered.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
void taskReminderTriggered (
    TaskEvent e
)
```

Parameters

e
A TaskEvent object.

See Also

ScheduleListener Members
ScheduleListener Interface
com.mindfusion.scheduling.model Namespace

SerializationContext Class

This class contains information required to serialize and deserialize Schedule elements to and from a binary stream or XML document.

Syntax

Java

```
public class SerializationContext
```

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.model.SerializationContext
    com.mindfusion.scheduling.model.XmlSerializationContext

See Also

SerializationContext Members
com.mindfusion.scheduling.model Namespace

SerializationContext Members

This class contains information required to serialize and deserialize Schedule elements to and from a binary stream or XML document.

The following tables list the members exposed by the SerializationContext type.

Public Constructors

	Name	Description
	SerializationContext	Initializes a new instance of the **SerializationContext** class.

Public Methods

	Name	Description
	addSerializationContextListener	Adds a SerializationContextListener to the context.
	getFileVersion	Gets the format revision number of the file being loaded.
	getSchedule	Gets a reference to the schedule currently being serialized or deserialized.
	removeSerializationContextListener	Removes the specified **SerializationContextListener** from the context.

See Also

SerializationContext Class
com.mindfusion.scheduling.model Namespace

SerializationContext Constructor

Initializes a new instance of the SerializationContext class.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public SerializationContext (
    Schedule schedule
)
```

Parameters

schedule
An instance of the Schedule class representing the schedule to associate with.

Remarks

Generally, you do not have to instantiate from SerializationContext explicitly unless you want to serialize only particular elements and not the entire schedule.

See Also

SerializationContext Class
com.mindfusion.scheduling.model Namespace

SerializationContext Methods

SerializationContext.addSerializationContextListener Method

Adds a SerializationContextListener to the context.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void addSerializationContextListener (
    SerializationContextListener listener
)
```

Parameters

listener
The SerializationContextListener to be added.

See Also

SerializationContext Members
SerializationContext Class
com.mindfusion.scheduling.model Namespace

SerializationContext.getFileVersion Method

Gets the format revision number of the file being loaded.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public int getFileVersion ()
```

Return Value

An integer value identifying the schedule file format revision number.

Remarks

This revision number specifies the format of the schedule binary and XML files, but not of distinct item classes. If using custom item classes, specify their format revision number when registering them with the schedule via the Schedule.registerItemClass method.

See Also

SerializationContext Members
SerializationContext Class
com.mindfusion.scheduling.model Namespace

SerializationContext.getSchedule Method

Gets a reference to the schedule currently being serialized or deserialized.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Schedule getSchedule ()
```

Return Value

An instance of the Schedule class.

See Also

SerializationContext Members
SerializationContext Class
com.mindfusion.scheduling.model Namespace

SerializationContext.removeSerializationContextListener Method

Removes the specified SerializationContextListener from the context.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void removeSerializationContextListener (
    SerializationContextListener listener
)
```

Parameters

listener
The listener to be removed.

See Also

SerializationContext Members
SerializationContext Class
com.mindfusion.scheduling.model Namespace

SerializationContextListener Interface

Defines the events raised by the SerializationContext class.

Syntax

Java

```
public interface SerializationContextListener extends EventListener
```

See Also

SerializationContextListener Members
com.mindfusion.scheduling.model Namespace

SerializationContextListener Members

Defines the events raised by the SerializationContext class.

The following tables list the members exposed by the SerializationContextListener type.

Public Methods

	Name	Description
	completed	Raised when the serialization or deserialization has completed successfully.

See Also

SerializationContextListener Interface
com.mindfusion.scheduling.model Namespace

SerializationContextListener Methods

SerializationContextListener.completed Method

Raised when the serialization or deserialization has completed successfully.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
void completed (
    EventObject e
)
```

Parameters

e
An **EventObject** object.

Remarks

You can use this event in your custom items to deserialize references to other Item and/or Resource objects.

See Also

SerializationContextListener Members
SerializationContextListener Interface
com.mindfusion.scheduling.model Namespace

SerializeTagEvent Class

Contains the arguments passed to the ScheduleListener.serializeTag and ScheduleListener.deserializeTag event handlers.

Syntax

Java
`public class SerializeTagEvent extends EventObject`

Inheritance Hierarchy

java.lang.Object
  java.util.EventObject
    com.mindfusion.scheduling.model.SerializeTagEvent

See Also

SerializeTagEvent Members
com.mindfusion.scheduling.model Namespace

SerializeTagEvent Members

Contains the arguments passed to the ScheduleListener.serializeTag and ScheduleListener.deserializeTag event handlers.

The following tables list the members exposed by the SerializeTagEvent type.

Public Constructors

	Name	Description
	SerializeTagEvent	Initializes a new instance of the **SerializeTagEvent** class.

Public Methods

	Name	Description
	getContext	Gets a context object that can help you write and read various values.
	getHandled	Gets a value indicating whether the event is handled.
	getObject	Gets the Item or Resource whose tag is being serialized/deserialized.
	getRepresentation	Gets the root element of the XML representation of the tag object being serialized / deserialized.
	getTag	Gets the tag object being serialized/deserialized.

	setHandled	Sets a value indicating whether the event is handled.
	setRepresentation	Sets the root element of the XML representation of the tag object being serialized / deserialized.
	setTag	Sets the tag object being serialized/deserialized.

See Also

SerializeTagEvent Class
com.mindfusion.scheduling.model Namespace

SerializeTagEvent Constructor

Initializes a new instance of the SerializeTagEvent class.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public SerializeTagEvent (
    Object source,
    Object item,
    Object tag,
    Element element,
    XmlSerializationContext context
)
```

Parameters

source
The Schedule that raises this event.

item
Item or Resource whose tag is being serialized/deserialized.

tag
The tag object being serialized/deserialized.

element
The tag's root XML element.

context
A helper object providing serialization methods for various data types.

See Also

SerializeTagEvent Class
com.mindfusion.scheduling.model Namespace

SerializeTagEvent Methods

SerializeTagEvent.getContext Method

Gets a context object that can help you write and read various values.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public XmlSerializationContext getContext ()
```

Return Value

An instance of the XmlSerializationContext class.

Remarks

It is recommended to operate with the underlying XML document by the methods of this object.

See Also

SerializeTagEvent Members
SerializeTagEvent Class
com.mindfusion.scheduling.model Namespace

SerializeTagEvent.getHandled Method

Gets a value indicating whether the event is handled.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public boolean getHandled ()
```

Return Value

true to indicate that the system should not attempt to serialize or deserialize the tag; otherwise, **false**.

See Also

SerializeTagEvent Members
SerializeTagEvent Class
com.mindfusion.scheduling.model Namespace

SerializeTagEvent.getObject Method

Gets the Item or Resource whose tag is being serialized/deserialized.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
```

```
public Object getObject ()
```

Return Value

A reference to an Item or Resource class.

See Also

SerializeTagEvent Members
SerializeTagEvent Class
com.mindfusion.scheduling.model Namespace

SerializeTagEvent.getRepresentation Method

Gets the root element of the XML representation of the tag object being serialized / deserialized.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Element getRepresentation ()
```

Return Value

An instance of the **Element** class representing the node in the XML document, containing the tag representation.

Remarks

When serializing tags use this XML element as a root of the tag representation by adding child elements to it. When deserializing the tag use this XML element as a root of the tag representation by reading child elements from it.

See Also

SerializeTagEvent Members
SerializeTagEvent Class
com.mindfusion.scheduling.model Namespace

SerializeTagEvent.getTag Method

Gets the tag object being serialized/deserialized.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Object getTag ()
```

Return Value

An object representing the tag value being serialized or deserialized.

See Also

SerializeTagEvent Members
SerializeTagEvent Class
com.mindfusion.scheduling.model Namespace

SerializeTagEvent.setHandled Method

Sets a value indicating whether the event is handled.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setHandled (
    boolean value
)
```

Parameters

value
true to indicate that the system should not attempt to serialize or deserialize the tag; otherwise, **false**.

Remarks

Always set this flag to **true** if you perform custom tag serialization.

See Also

SerializeTagEvent Members
SerializeTagEvent Class
com.mindfusion.scheduling.model Namespace

SerializeTagEvent.setRepresentation Method

Sets the root element of the XML representation of the tag object being serialized / deserialized.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setRepresentation (
    Element value
)
```

Parameters

value

An instance of the **Element** class representing the node in the XML document, containing the tag representation.

Remarks

When serializing tags use this XML element as a root of the tag representation by adding child elements to it. When deserializing the tag use this XML element as a root of the tag representation by reading child elements from it.

See Also

SerializeTagEvent Members
SerializeTagEvent Class
com.mindfusion.scheduling.model Namespace

SerializeTagEvent.setTag Method

Sets the tag object being serialized/deserialized.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public void setTag (
    Object value
)
```

Parameters

value
An object representing the tag value being serialized or deserialized.

See Also

SerializeTagEvent Members
SerializeTagEvent Class
com.mindfusion.scheduling.model Namespace

ShadowStyle Enumeration

Specifies what type of shadow effect to apply to a calendar UI element.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public enum ShadowStyle
```

Members

	Member name	Description
	Fading	Display a fading shadow. **Note:** If this style is not supported on a specific platform, shadows will be displayed solid.
	None	Do not display a shadow.
	Solid	Display a solid shadow.

See Also

com.mindfusion.scheduling.model Namespace

Style Class

Specifies the appearance of calendar elements.

Syntax

Java
`public class Style`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.model.Style

See Also

Style Members
com.mindfusion.scheduling.model Namespace

Style Members

Specifies the appearance of calendar elements.

The following tables list the members exposed by the Style type.

Public Constructors

	Name	Description
	Style	Initializes a new empty instance of the **Style** class.

Public Methods

	Name	Description
	addChangeListener	Adds a ChangeListener to the style.
	cloneShallow	Creates a shallow copy of this style.

	getBorderBottomColor	Gets the color used to paint the bottom border of a calendar element.
	getBorderBottomWidth	Gets the width in pixels of the bottom border of an element.
	getBorderLeftColor	Gets the color used to paint the left border of a calendar element.
	getBorderLeftWidth	Gets the width in pixels of the left border of an element.
	getBorderRightColor	Gets the color used to paint the right border of a calendar element.
	getBorderRightWidth	Gets the width in pixels of the right border of an element.
	getBorderTopColor	Gets the color used to paint the top border of a calendar element.
	getBorderTopWidth	Gets the width in pixels of the top border of an element.
	getBrush	Gets the brush used to fill the interior of elements.
	getFillColor	Gets the color used to fill calendar elements.
	getFont	Gets the font used to display an element's text.
	getHeaderBorderBottomColor	Gets the color used to paint the bottom border of an element's header.
	getHeaderBorderBottomWidth	Gets the width in pixels of the bottom border of an element's header.
	getHeaderBorderLeftColor	Gets the color used to paint the left border of an element's header.
	getHeaderBorderLeftWidth	Gets the width in pixels of the left border of an element's header.
	getHeaderBorderRightColor	Gets the color used to paint the right border of an element's header.
	getHeaderBorderRightWidth	Gets the width in pixels of the right border of an element's header.
	getHeaderBorderTopColor	Gets the color used to paint the top border of an element's header.
	getHeaderBorderTopWidth	Gets the width in pixels of the top border of an element's header.
	getHeaderBrush	Gets the brush used to fill the interior of an element's header.
	getHeaderFont	Gets the font used to paint the text of an element's header.
	getHeaderTextAlignment	Gets the alignment of the headers' text.
	getHeaderTextBottomMargin	Gets the bottom header text margin.
	getHeaderTextColor	Gets the color used to paint the text of an element's header.
	getHeaderTextLeftMargin	Gets the left header text margin.
	getHeaderTextRightMargin	Gets the right header text margin.

	getHeaderTextShadowColor	Gets the color of the shadow cast by the header text.
	getHeaderTextShadowOffset	Gets the distance of the shadow from the header texts.
	getHeaderTextShadowStyle	Gets the type of the shadow cast by the header text.
	getHeaderTextTopMargin	Gets the top header text margin.
	getImage	Gets an image associated with this style.
	getImageAlignment	Gets the image alignment to be used when rendering the image assigned to this style.
	getImageIndex	Gets the index of the image associated to this style.
	getImageTransparency	Gets the transparency of the image associated with this style.
	getLineColor	Gets the color used to paint various lines that are not part of element borders.
	getTextAlignment	Gets the alignment of the text contents of a calendar element.
	getTextBottomMargin	Gets the bottom text margin.
	getTextColor	Gets the color used to paint an element's text.
	getTextLeftMargin	Gets the left text margin.
	getTextRightMargin	Gets the right text margin.
	getTextShadowColor	Gets the color of the shadow cast by the text.
	getTextShadowOffset	Gets the distance of the shadow from the texts.
	getTextShadowStyle	Gets the type of the shadow cast by the text.
	getTextTopMargin	Gets the top text margin.
	removeChangeListener	Removes the specified **ChangeListener** from the style.
	setBorderBottomColor	Sets the color used to paint the bottom border of a calendar element.
	setBorderBottomWidth	Sets the width in pixels of the bottom border of an element.
	setBorderLeftColor	Sets the color used to paint the left border of a calendar element.
	setBorderLeftWidth	Sets the width in pixels of the left border of an element.
	setBorderRightColor	Sets the color used to paint the right border of a calendar element.
	setBorderRightWidth	Sets the width in pixels of the right border of an element.
	setBorderTopColor	Sets the color used to paint the top border of a calendar element.
	setBorderTopWidth	Sets the width in pixels of the top border of an element.
	setBrush	Sets the brush used to fill the interior of elements.
	setFillColor	Sets the color used to fill calendar elements.

	setFont	Sets the font used to display an element's text.
	setHeaderBorderBottomColor	Sets the color used to paint the bottom border of an element's header.
	setHeaderBorderBottomWidth	Sets the width in pixels of the bottom border of an element's header.
	setHeaderBorderLeftColor	Sets the color used to paint the left border of an element's header.
	setHeaderBorderLeftWidth	Sets the width in pixels of the left border of an element's header.
	setHeaderBorderRightColor	Sets the color used to paint the right border of an element's header.
	setHeaderBorderRightWidth	Sets the width in pixels of the right border of an element's header.
	setHeaderBorderTopColor	Sets the color used to paint the top border of an element's header.
	setHeaderBorderTopWidth	Sets the width in pixels of the top border of an element's header.
	setHeaderBrush	Sets the brush used to fill the interior of an element's header.
	setHeaderFont	Sets the font used to paint the text of an element's header.
	setHeaderTextAlignment	Sets the alignment of the headers' text.
	setHeaderTextBottomMargin	Sets the bottom header text margin.
	setHeaderTextColor	Sets the color used to paint the text of an element's header.
	setHeaderTextLeftMargin	Sets the left header text margin.
	setHeaderTextRightMargin	Sets the right header text margin.
	setHeaderTextShadowColor	Sets the color of the shadow cast by the header text.
	setHeaderTextShadowOffset	Sets the distance of the shadow from the header texts.
	setHeaderTextShadowStyle	Sets the type of the shadow cast by the header text.
	setHeaderTextTopMargin	Sets the top header text margin.
	setImage	Sets an image associated with this style.
	setImageAlignment	Sets the image alignment to be used when rendering the image assigned to this style.
	setImageIndex	Gets the index of the image associated to this style.
	setImageTransparency	Sets the transparency of the image associated with this style.
	setLineColor	Sets the color used to paint various lines that are not part of element borders.
	setTextAlignment	Sets the alignment of the text contents of a calendar element.
	setTextBottomMargin	Sets the bottom text margin.

	setTextColor	Sets the color used to paint an element's text.
	setTextLeftMargin	Sets the left text margin.
	setTextRightMargin	Sets the right text margin.
	setTextShadowColor	Sets the color of the shadow cast by the text.
	setTextShadowOffset	Sets the distance of the shadow from the texts.
	setTextShadowStyle	Sets the type of the shadow cast by the text.
	setTextTopMargin	Sets the top text margin.

Protected Methods

	Name	Description
	onChanged	Raises the ChangeListener.changed event.

See Also

Style Class
com.mindfusion.scheduling.model Namespace

Style Constructor

Initializes a new empty instance of the Style class.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Style ()
```

See Also

Style Class
com.mindfusion.scheduling.model Namespace

Style Methods

Style.addChangeListener Method

Adds a ChangeListener to the style.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void addChangeListener (
    ChangeListener listener
)
```

Parameters

listener
The ChangeListener to be added.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.cloneShallow Method

Creates a shallow copy of this style.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Style cloneShallow ()
```

Return Value

A Style instance.

Remarks

The members of the new style are initialized with the values of the current style without cloning them.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getBorderBottomColor Method

Gets the color used to paint the bottom border of a calendar element.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Color getBorderBottomColor ()
```

Return Value

A Color object specifying the color of the bottom border lines.

Remarks

To remove the bottom border, pass Colors.Transparent or set setBorderBottomWidth to 0.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getBorderBottomWidth Method

Gets the width in pixels of the bottom border of an element.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Integer getBorderBottomWidth ()
```

Return Value

A non-negative integer specifying the border width in pixels.

Remarks

To remove the bottom border, set to 0.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getBorderLeftColor Method

Gets the color used to paint the left border of a calendar element.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Color getBorderLeftColor ()
```

Return Value

A Color object specifying the color of the left border lines.

Remarks

To remove the left border, pass Colors.Transparent or set setBorderLeftWidth to 0.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getBorderLeftWidth Method

Gets the width in pixels of the left border of an element.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Integer getBorderLeftWidth ()
```

Return Value

A non-negative integer specifying the border width in pixels.

Remarks

To remove the left border, set to 0.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getBorderRightColor Method

Gets the color used to paint the right border of a calendar element.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Color getBorderRightColor ()
```

Return Value

A Color object specifying the color of the right border lines.

Remarks

To remove the right border, pass Colors.Transparent or set setBorderRightWidth to 0.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getBorderRightWidth Method

Gets the width in pixels of the right border of an element.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Integer getBorderRightWidth ()
```

Return Value

A non-negative integer specifying the border width in pixels.

Remarks

To remove the right border, set to 0.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getBorderTopColor Method

Gets the color used to paint the top border of a calendar element.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Color getBorderTopColor ()
```

Return Value

A Color object specifying the color of the top border lines.

Remarks

To remove the top border, pass Colors.Transparent or set setBorderTopWidth to 0.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getBorderTopWidth Method

Gets the width in pixels of the top border of an element.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Integer getBorderTopWidth ()
```

Return Value

A non-negative integer specifying the border width in pixels.

Remarks

To remove the top border, set to 0.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getBrush Method

Gets the brush used to fill the interior of elements.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Brush getBrush ()
```

Return Value

A Brush instance used to fill the interior of calendar UI elements.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getFillColor Method

Gets the color used to fill calendar elements.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Color getFillColor ()
```

Return Value

A Color object used to fill calendar elements.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getFont Method

Gets the font used to display an element's text.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Font getFont ()
```

Return Value

A Font object specifying the font of calendar elements' text.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getHeaderBorderBottomColor Method

Gets the color used to paint the bottom border of an element's header.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Color getHeaderBorderBottomColor ()
```

Return Value

A Color object specifying the color of the bottom border lines of headers.

Remarks

To remove the bottom border, pass Colors.Transparent or set setHeaderBorderBottomWidth to 0.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getHeaderBorderBottomWidth Method

Gets the width in pixels of the bottom border of an element's header.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Integer getHeaderBorderBottomWidth ()
```

Return Value

A non-negative integer specifying the header border width in pixels.

Remarks

To remove the bottom border, set to 0.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getHeaderBorderLeftColor Method

Gets the color used to paint the left border of an element's header.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Color getHeaderBorderLeftColor ()
```

Return Value

A Color object specifying the color of the left border lines of headers.

Remarks

To remove the left border, pass Colors.Transparent or set setHeaderBorderLeftWidth to 0.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getHeaderBorderLeftWidth Method

Gets the width in pixels of the left border of an element's header.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public Integer getHeaderBorderLeftWidth ()
```

Return Value

A non-negative integer specifying the header border width in pixels.

Remarks

To remove the left border, set to 0.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getHeaderBorderRightColor Method

Gets the color used to paint the right border of an element's header.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public Color getHeaderBorderRightColor ()
```

Return Value

A Color object specifying the color of the right border lines of headers.

Remarks

To remove the right border, pass Colors.Transparent or set setHeaderBorderRightWidth to 0.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getHeaderBorderRightWidth Method

Gets the width in pixels of the right border of an element's header.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Integer getHeaderBorderRightWidth ()
```

Return Value

A non-negative integer specifying the header border width in pixels.

Remarks

To remove the right border, set to 0.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getHeaderBorderTopColor Method

Gets the color used to paint the top border of an element's header.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Color getHeaderBorderTopColor ()
```

Return Value

A Color object specifying the color of the top border lines of headers.

Remarks

To remove the top border, pass Colors.Transparent or set setHeaderBorderTopWidth to 0.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getHeaderBorderTopWidth Method

Gets the width in pixels of the top border of an element's header.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Integer getHeaderBorderTopWidth ()
```

Return Value

A non-negative integer specifying the header border width in pixels.

Remarks

To remove the top border, set to 0.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getHeaderBrush Method

Gets the brush used to fill the interior of an element's header.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Brush getHeaderBrush ()
```

Return Value

A Brush object used to fill header interior.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getHeaderFont Method

Gets the font used to paint the text of an element's header.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public Font getHeaderFont ()
```

Return Value

A Font object specifying the font of text displayed in headers.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getHeaderTextAlignment Method

Gets the alignment of the headers' text.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public EnumSet<TextAlignment> getHeaderTextAlignment ()
```

Return Value

One of the TextAlignment constants.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getHeaderTextBottomMargin Method

Gets the bottom header text margin.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public Integer getHeaderTextBottomMargin ()
```

Return Value

A non-negative integer specifying the bottom margin of header texts drawn with this style.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getHeaderTextColor Method

Gets the color used to paint the text of an element's header.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public Color getHeaderTextColor ()
```

Return Value

A Color object specifying the color of text displayed in headers.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getHeaderTextLeftMargin Method

Gets the left header text margin.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public Integer getHeaderTextLeftMargin ()
```

Return Value

A non-negative integer specifying the left margin of header texts drawn with this style.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getHeaderTextRightMargin Method

Gets the right header text margin.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Integer getHeaderTextRightMargin ()
```

Return Value

A non-negative integer specifying the right margin of header texts drawn with this style.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getHeaderTextShadowColor Method

Gets the color of the shadow cast by the header text.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Color getHeaderTextShadowColor ()
```

Return Value

A Color object specifying the color of the header text shadows drawn with this style.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getHeaderTextShadowOffset Method

Gets the distance of the shadow from the header texts.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public Integer getHeaderTextShadowOffset ()
```

Return Value

An integer value specifying the distance between the shadow and the header text, expressed in pixels.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getHeaderTextShadowStyle Method

Gets the type of the shadow cast by the header text.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public ShadowStyle getHeaderTextShadowStyle ()
```

Return Value

One of the ShadowStyle constants.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getHeaderTextTopMargin Method

Gets the top header text margin.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public Integer getHeaderTextTopMargin ()
```

Return Value

A non-negative integer specifying the top margin of header texts drawn with this style.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getImage Method

Gets an image associated with this style.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Image getImage ()
```

Return Value

An Image object.

Remarks

This image takes precedence over the image specified through setImageIndex.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getImageAlignment Method

Gets the image alignment to be used when rendering the image assigned to this style.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public ImageAlignment getImageAlignment ()
```

Return Value

One of the ImageAlignment constants.

See Also

Style Members
Style Class

Style.getImageIndex Method

Gets the index of the image associated to this style.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public Integer getImageIndex ()
```

Return Value

An integer value specifying the image index.

Remarks

The image specified through setImage, if any, takes precedence over the image identified by this index.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getImageTransparency Method

Gets the transparency of the image associated with this style.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public Integer getImageTransparency ()
```

Return Value

An integer value specifying the image transparency.

Remarks

The accepted values range from 0 (fully transparent) to 255 (opaque).

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getLineColor Method

Gets the color used to paint various lines that are not part of element borders.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Color getLineColor ()
```

Return Value

A Color object specifying the color of lines.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getTextAlignment Method

Gets the alignment of the text contents of a calendar element.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public EnumSet<TextAlignment> getTextAlignment ()
```

Return Value

One of the TextAlignment constants.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getTextBottomMargin Method

Gets the bottom text margin.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Integer getTextBottomMargin ()
```

Return Value

A non-negative integer specifying the bottom margin of texts drawn with this style.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getTextColor Method

Gets the color used to paint an element's text.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Color getTextColor ()
```

Return Value

A Color object specifying the text color.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getTextLeftMargin Method

Gets the left text margin.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Integer getTextLeftMargin ()
```

Return Value

A non-negative integer specifying the left margin of texts drawn with this style.

See Also

Style Members
Style Class

Style.getTextRightMargin Method

Gets the right text margin.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public Integer getTextRightMargin ()
```

Return Value

A non-negative integer specifying the right margin of texts drawn with this style.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getTextShadowColor Method

Gets the color of the shadow cast by the text.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public Color getTextShadowColor ()
```

Return Value

A Color object specifying the color of the text shadows drawn with this style.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getTextShadowOffset Method

Gets the distance of the shadow from the texts.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Integer getTextShadowOffset ()
```

Return Value

An integer value specifying the distance between the shadow and the text, expressed in pixels.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getTextShadowStyle Method

Gets the type of the shadow cast by the text.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public ShadowStyle getTextShadowStyle ()
```

Return Value

One of the ShadowStyle constants.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.getTextTopMargin Method

Gets the top text margin.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Integer getTextTopMargin ()
```

Return Value

A non-negative integer specifying the top margin of texts drawn with this style.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.onChanged Method

Raises the ChangeListener.changed event.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
protected void onChanged (
    EventObject e
)
```

Parameters

e
An object, containing the event data.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.removeChangeListener Method

Removes the specified ChangeListener from the style.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void removeChangeListener (
    ChangeListener listener
)
```

Parameters

listener
The listener to be removed.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setBorderBottomColor Method

Sets the color used to paint the bottom border of a calendar element.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setBorderBottomColor (
    Color value
)
```

Parameters

value
A **Color** object specifying the color of the bottom border lines. Set to **null** to use the corresponding value from the current theme.

Remarks

To remove the bottom border, pass Colors.Transparent or set setBorderBottomWidth to 0.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setBorderBottomWidth Method

Sets the width in pixels of the bottom border of an element.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setBorderBottomWidth (
    Integer value
)
```

Parameters

value
A non-negative integer specifying the border width in pixels. Set to **null** to use the corresponding value from the current theme.

Remarks

To remove the bottom border, set to 0.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setBorderLeftColor Method

Sets the color used to paint the left border of a calendar element.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setBorderLeftColor (
    Color value
)
```

Parameters

value
A **Color** object specifying the color of the left border lines. Set to **null** to use the corresponding value from the current theme.

Remarks

To remove the left border, pass Colors.Transparent or set setBorderLeftWidth to 0.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setBorderLeftWidth Method

Sets the width in pixels of the left border of an element.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setBorderLeftWidth (
    Integer value
)
```

Parameters

value
A non-negative integer specifying the border width in pixels. Set to **null** to use the corresponding value from the current theme.

Remarks

To remove the left border, set to 0.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setBorderRightColor Method

Sets the color used to paint the right border of a calendar element.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setBorderRightColor (
    Color value
)
```

Parameters

value
A **Color** object specifying the color of the right border lines. Set to **null** to use the corresponding value from the current theme.

Remarks

To remove the right border, pass Colors.Transparent or set setBorderRightWidth to 0.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setBorderRightWidth Method

Sets the width in pixels of the right border of an element.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setBorderRightWidth (
    Integer value
)
```

Parameters

value

A non-negative integer specifying the border width in pixels. Set to **null** to use the corresponding value from the current theme.

Remarks

To remove the right border, set to 0.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setBorderTopColor Method

Sets the color used to paint the top border of a calendar element.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setBorderTopColor (
    Color value
)
```

Parameters

value
A **Color** object specifying the color of the top border lines. Set to **null** to use the corresponding value from the current theme.

Remarks

To remove the top border, pass Colors.Transparent or set setBorderTopWidth to 0.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setBorderTopWidth Method

Sets the width in pixels of the top border of an element.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setBorderTopWidth (
    Integer value
```

```
)
```

Parameters

value
A non-negative integer specifying the border width in pixels. Set to **null** to use the corresponding value from the current theme.

Remarks

To remove the top border, set to 0.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setBrush Method

Sets the brush used to fill the interior of elements.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setBrush (
    Brush value
)
```

Parameters

value
A Brush instance used to fill the interior of calendar UI elements. Set to **null** to use the corresponding value from the current theme.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setFillColor Method

Sets the color used to fill calendar elements.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setFillColor (
    Color value
)
```

Parameters

value
A **Color** object used to fill calendar elements. Set to **null** to use the corresponding value from the current theme.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setFont Method

Sets the font used to display an element's text.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setFont (
    Font value
)
```

Parameters

value
A **Font** object specifying the font of calendar elements' text. Set to **null** to use the corresponding value from the current theme.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setHeaderBorderBottomColor Method

Sets the color used to paint the bottom border of an element's header.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setHeaderBorderBottomColor (
    Color value
)
```

Parameters

value
A **Color** object specifying the color of the bottom border lines of headers. Set to **null** to use the corresponding value from the current theme.

Remarks

To remove the bottom border, pass Colors.Transparent or set setHeaderBorderBottomWidth to 0.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setHeaderBorderBottomWidth Method

Sets the width in pixels of the bottom border of an element's header.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setHeaderBorderBottomWidth (
    Integer value
)
```

Parameters

value
A non-negative integer specifying the header border width in pixels. Set to **null** to use the corresponding value from the current theme.

Remarks

To remove the bottom border, set to 0.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setHeaderBorderLeftColor Method

Sets the color used to paint the left border of an element's header.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setHeaderBorderLeftColor (
    Color value
)
```

Parameters

value
A **Color** object specifying the color of the left border lines of headers. Set to **null** to use the corresponding value from the current theme.

Remarks

To remove the left border, pass Colors.Transparent or set setHeaderBorderLeftWidth to 0.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setHeaderBorderLeftWidth Method

Sets the width in pixels of the left border of an element's header.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setHeaderBorderLeftWidth (
    Integer value
)
```

Parameters

value
A non-negative integer specifying the header border width in pixels. Set to **null** to use the corresponding value from the current theme.

Remarks

To remove the left border, set to 0.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setHeaderBorderRightColor Method

Sets the color used to paint the right border of an element's header.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public void setHeaderBorderRightColor (
    Color value
)
```

Parameters

value
A **Color** object specifying the color of the right border lines of headers. Set to **null** to use the corresponding value from the current theme.

Remarks

To remove the right border, pass Colors.Transparent or set setHeaderBorderRightWidth to 0.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setHeaderBorderRightWidth Method

Sets the width in pixels of the right border of an element's header.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public void setHeaderBorderRightWidth (
    Integer value
)
```

Parameters

value
A non-negative integer specifying the header border width in pixels. Set to **null** to use the corresponding value from the current theme.

Remarks

To remove the right border, set to 0.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setHeaderBorderTopColor Method

Sets the color used to paint the top border of an element's header.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setHeaderBorderTopColor (
    Color value
)
```

Parameters

value
A **Color** object specifying the color of the top border lines of headers. Set to **null** to use the corresponding value from the current theme.

Remarks

To remove the top border, pass Colors.Transparent or set setHeaderBorderTopWidth to 0.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setHeaderBorderTopWidth Method

Sets the width in pixels of the top border of an element's header.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setHeaderBorderTopWidth (
    Integer value
)
```

Parameters

value
A non-negative integer specifying the header border width in pixels. Set to **null** to use the corresponding value from the current theme.

Remarks

To remove the top border, set to 0.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setHeaderBrush Method

Sets the brush used to fill the interior of an element's header.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setHeaderBrush (
    Brush value
)
```

Parameters

value
A Brush object used to fill header interior. Set to **null** to use the corresponding value from the current theme.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setHeaderFont Method

Sets the font used to paint the text of an element's header.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setHeaderFont (
    Font value
)
```

Parameters

value
A **Font** object specifying the font of text displayed in headers. Set to **null** to use the corresponding value from the current theme.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setHeaderTextAlignment Method

Sets the alignment of the headers' text.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setHeaderTextAlignment (
    EnumSet<TextAlignment> value
)
```

Parameters

value
One of the TextAlignment constants. Set to **null** to use the corresponding value from the current theme.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setHeaderTextBottomMargin Method

Sets the bottom header text margin.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setHeaderTextBottomMargin (
    Integer value
)
```

Parameters

value
A non-negative integer specifying the bottom margin of header texts drawn with this style. Set to **null** to use the corresponding value from the current theme.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setHeaderTextColor Method

Sets the color used to paint the text of an element's header.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public void setHeaderTextColor (
    Color value
)
```

Parameters

value
A **Color** object specifying the color of text displayed in headers. Set to **null** to use the corresponding value from the current theme.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setHeaderTextLeftMargin Method

Sets the left header text margin.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public void setHeaderTextLeftMargin (
    Integer value
)
```

Parameters

value
A non-negative integer specifying the left margin of header texts drawn with this style. Set to **null** to use the corresponding value from the current theme.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setHeaderTextRightMargin Method

Sets the right header text margin.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public void setHeaderTextRightMargin (
    Integer value
)
```

Parameters

value
A non-negative integer specifying the right margin of header texts drawn with this style. Set to **null** to use the corresponding value from the current theme.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setHeaderTextShadowColor Method

Sets the color of the shadow cast by the header text.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public void setHeaderTextShadowColor (
    Color value
)
```

Parameters

value
A **Color** object specifying the color of the header text shadows drawn with this style. Set to **null** to use the corresponding value from the current theme.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setHeaderTextShadowOffset Method

Sets the distance of the shadow from the header texts.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setHeaderTextShadowOffset (
    Integer value
)
```

Parameters

value

An integer value specifying the distance between the shadow and the header text, expressed in pixels. Set to **null** to use the corresponding value from the current theme.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setHeaderTextShadowStyle Method

Sets the type of the shadow cast by the header text.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setHeaderTextShadowStyle (
    ShadowStyle value
)
```

Parameters

value

One of the ShadowStyle constants. Set to **null** to use the corresponding value from the current theme.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setHeaderTextTopMargin Method

Sets the top header text margin.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setHeaderTextTopMargin (
    Integer value
)
```

Parameters

value
A non-negative integer specifying the top margin of header texts drawn with this style. Set to **null** to use the corresponding value from the current theme.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setImage Method

Sets an image associated with this style.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setImage (
    Image value
)
```

Parameters

value
An **Image** object. Set to **null** to use the corresponding value from the current theme.

Remarks

This image takes precedence over the image specified through setImageIndex.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setImageAlignment Method

Sets the image alignment to be used when rendering the image assigned to this style.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setImageAlignment (
    ImageAlignment value
)
```

Parameters

value
One of the ImageAlignment constants. Set to **null** to use the corresponding value from the current theme.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setImageIndex Method

Gets the index of the image associated to this style.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setImageIndex (
    Integer value
)
```

Parameters

value
An integer value specifying the image index. Set to **null** to use the corresponding value from the current theme.

Remarks

The image specified through setImage, if any, takes precedence over the image identified by this index.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setImageTransparency Method

Sets the transparency of the image associated with this style.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setImageTransparency (
    Integer value
)
```

Parameters

value
An integer value specifying the image transparency. Set to **null** to use the corresponding value from the current theme.

Remarks

The accepted values range from 0 (fully transparent) to 255 (opaque).

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setLineColor Method

Sets the color used to paint various lines that are not part of element borders.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setLineColor (
    Color value
)
```

Parameters

value
A **Color** object specifying the color of lines. Set to **null** to use the corresponding value from the current theme.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setTextAlignment Method

Sets the alignment of the text contents of a calendar element.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setTextAlignment (
    EnumSet<TextAlignment> value
)
```

Parameters

value
One of the TextAlignment constants. Set to **null** to use the corresponding value from the current theme.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setTextBottomMargin Method

Sets the bottom text margin.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setTextBottomMargin (
    Integer value
)
```

Parameters

value
A non-negative integer specifying the bottom margin of texts drawn with this style. Set to **null** to use the corresponding value from the current theme.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setTextColor Method

Sets the color used to paint an element's text.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setTextColor (
    Color value
```

```
)
```

Parameters

value
A **Color** object specifying the text color. Set to **null** to use the corresponding value from the current theme.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setTextLeftMargin Method

Sets the left text margin.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setTextLeftMargin (
    Integer value
)
```

Parameters

value
A non-negative integer specifying the left margin of texts drawn with this style. Set to **null** to use the corresponding value from the current theme.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setTextRightMargin Method

Sets the right text margin.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setTextRightMargin (
    Integer value
)
```

Parameters

value
A non-negative integer specifying the right margin of texts drawn with this style. Set to **null** to use the corresponding value from the current theme.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setTextShadowColor Method

Sets the color of the shadow cast by the text.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setTextShadowColor (
    Color value
)
```

Parameters

value
A **Color** object specifying the color of the text shadows drawn with this style. Set to **null** to use the corresponding value from the current theme.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setTextShadowOffset Method

Sets the distance of the shadow from the texts.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setTextShadowOffset (
    Integer value
)
```

Parameters

value
An integer value specifying the distance between the shadow and the text, expressed in pixels. Set to **null** to use the corresponding value from the current theme.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setTextShadowStyle Method

Sets the type of the shadow cast by the text.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setTextShadowStyle (
    ShadowStyle value
)
```

Parameters

value
One of the ShadowStyle constants. Set to **null** to use the corresponding value from the current theme.

See Also

Style Members
Style Class
com.mindfusion.scheduling.model Namespace

Style.setTextTopMargin Method

Sets the top text margin.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setTextTopMargin (
    Integer value
)
```

Parameters

value
A non-negative integer specifying the top margin of texts drawn with this style. Set to **null** to use the corresponding value from the current theme.

See Also

Style Members
Style Class

Task Class

Instances of this class contain task information. Task objects are used by schedule items that are allocated to some task.

Syntax

Java
`public class Task extends Resource`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.model.Resource
    com.mindfusion.scheduling.model.Task

See Also

Task Members
com.mindfusion.scheduling.model Namespace

Task Members

Instances of this class contain task information. Task objects are used by schedule items that are allocated to some task.

The following tables list the members exposed by the Task type.

Public Constructors

	Name	Description
	Task	Initializes a new instance of the **Task** class.

Public Methods

	Name	Description
	getActualCost	Gets the actual cost of this task.
	getActualDuration	Gets the task actual duration measured in minutes.
	getActualEnd	Gets the task's actual completion date.
	getActualStart	Gets the task's actual start date.
	getCustomBrushes	Gets a CustomBrushes object associated with the resource. (Inherited from Resource.)
	getDetails	Gets the detailed description of this task.
	getDueDate	Gets the task's due date.

	getEstimatedCost	Gets the estimated cost of this task.
	getEstimatedDuration	Gets the estimated duration of this task.
	getId	Gets the string identifier of this resource. (Inherited from Resource.)
	getImageIndex	Gets the index of the image associated with this task.
	getName	Gets the name of the resource. (Inherited from Resource.)
	getPriority	Gets the task priority.
	getProgress	Gets the task progress measured in percents.
	getReminder	Gets the reminder for this task.
	getStartDate	Gets the task's start date.
	getStatus	Gets the status of this task.
	getSubject	Gets the subject of this task.
	getTag	Gets custom data associated with the resource. (Inherited from Resource.)
	loadFrom	Overloaded.
	saveTo	Overloaded.
	setActualCost	Sets the actual cost of this task.
	setActualDuration	Sets the task actual duration measured in minutes.
	setActualEnd	Sets the task's actual completion date.
	setActualStart	Sets the task's actual start date.
	setCustomBrushes	Sets a **CustomBrushes** object associated with the resource. (Inherited from Resource.)
	setDetails	Sets the detailed description of this task.
	setDueDate	Sets the task's due date.
	setEstimatedCost	Sets the estimated cost of this task.
	setEstimatedDuration	Sets the estimated duration of this task.
	setId	Sets the string identifier of this resource. (Inherited from Resource.)
	setImageIndex	Sets the index of the image associated with this task.
	setName	Sets the name of the resource. (Inherited from Resource.)
	setPriority	Gets the task priority.
	setProgress	Sets the task progress measured in percents.
	setReminder	Sets the reminder for this task.
	setStartDate	Sets the task's start date.
	setStatus	Sets the status of this task.

	setSubject	Sets the subject of this task.
	setTag	Sets custom data associated with the resource. (Inherited from Resource.)

See Also

Task Class
com.mindfusion.scheduling.model Namespace

Task Constructor

Initializes a new instance of the Task class.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Task ()
```

See Also

Task Class
com.mindfusion.scheduling.model Namespace

Task Methods

Task.getActualCost Method

Gets the actual cost of this task.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public float getActualCost ()
```

Return Value

A float value specifying the task's actual cost. The default is 0.

See Also

Task Members
Task Class
com.mindfusion.scheduling.model Namespace

Task.getActualDuration Method

Gets the task actual duration measured in minutes.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public int getActualDuration ()
```

Return Value

An integer value specifying the task's duration. The default is 0.

See Also

Task Members
Task Class
com.mindfusion.scheduling.model Namespace

Task.getActualEnd Method

Gets the task's actual completion date.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public DateTime getActualEnd ()
```

Return Value

A DateTime object specifying the task's actual end date. The default is DateTime.MaxValue.

See Also

Task Members
Task Class
com.mindfusion.scheduling.model Namespace

Task.getActualStart Method

Gets the task's actual start date.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public DateTime getActualStart ()
```

Return Value

A DateTime object specifying the task's actual start date. The default is DateTime.MinValue.

See Also

Task Members
Task Class
com.mindfusion.scheduling.model Namespace

Task.getDetails Method

Gets the detailed description of this task.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public String getDetails ()
```

Return Value

A string containing the task's details text. The default is an empty string.

See Also

Task Members
Task Class
com.mindfusion.scheduling.model Namespace

Task.getDueDate Method

Gets the task's due date.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public DateTime getDueDate ()
```

Return Value

A DateTime object specifying the task's sue date. The default is DateTime.MaxValue.

See Also

Task Members
Task Class

Task.getEstimatedCost Method

Gets the estimated cost of this task.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public float getEstimatedCost ()
```

Return Value

A float value specifying the task's estimated cost. The default is 0.

See Also

Task Members
Task Class
com.mindfusion.scheduling.model Namespace

Task.getEstimatedDuration Method

Gets the estimated duration of this task.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public int getEstimatedDuration ()
```

Return Value

An integer value specifying the task's scheduled duration. The default is 0.

See Also

Task Members
Task Class
com.mindfusion.scheduling.model Namespace

Task.getImageIndex Method

Gets the index of the image associated with this task.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public int getImageIndex ()
```

Return Value

An integer value specifying the index of the task image within the image list associated with the view component. The default is 0.

See Also

Task Members
Task Class
com.mindfusion.scheduling.model Namespace

Task.getPriority Method

Gets the task priority.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public TaskPriority getPriority ()
```

Return Value

One of the TaskPriority constants. The default is **TaskPriority.Normal**.

See Also

Task Members
Task Class
com.mindfusion.scheduling.model Namespace

Task.getProgress Method

Gets the task progress measured in percents.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public float getProgress ()
```

Return Value

A float value specifying the progress made on this task. The default is 0.

See Also

Task Members
Task Class
com.mindfusion.scheduling.model Namespace

Task.getReminder Method

Gets the reminder for this task.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public Reminder getReminder ()
```

Return Value

A Reminder instance specifying when the task should be reminded of. The default is **null**.

See Also

Task Members
Task Class
com.mindfusion.scheduling.model Namespace

Task.getStartDate Method

Gets the task's start date.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public DateTime getStartDate ()
```

Return Value

A DateTime object specifying the task's scheduled start time. The default is DateTime.MinValue.

See Also

Task Members
Task Class
com.mindfusion.scheduling.model Namespace

Task.getStatus Method

Gets the status of this task.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java
`public TaskStatus getStatus ()`

Return Value

One of the TaskStatus constants. The default is **TaskStatus.NotStarted**.

See Also

Task Members
Task Class
com.mindfusion.scheduling.model Namespace

Task.getSubject Method

Gets the subject of this task.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java
`public String getSubject ()`

Return Value

A string containing the task subject text. The default is an empty string.

See Also

Task Members
Task Class
com.mindfusion.scheduling.model Namespace

Task.loadFrom Method

Overload List

Name	Description
Task.loadFrom (Element, XmlSerializationContext)	Loads task data from an XML document.
Task.loadFrom (JsonObject, JsonSerializationContext)	Loads the task from a JSON object.

See Also

Task Members
Task Class

Task.loadFrom Method (Element, XmlSerializationContext)

Loads task data from an XML document.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void loadFrom (
    Element element,
    XmlSerializationContext context
)
```

Parameters

element
Allows reading data from the XML document.

context
The context object contains the file format revision number of the schedule being loaded. It also provides methods that facilitate reading and writing various data types from and to the XML document.

See Also

loadFrom Method Overload List
Task Members
Task Class
com.mindfusion.scheduling.model Namespace

Task.loadFrom Method (JsonObject, JsonSerializationContext)

Loads the task from a JSON object.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void loadFrom (
    JsonObject obj,
    JsonSerializationContext context
)
```

Parameters

obj
A JsonObject containing the task's data.

context
A JsonSerializationContext object providing contextual information about the serialization process and helper serialization methods.

See Also

loadFrom Method Overload List
Task Members
Task Class
com.mindfusion.scheduling.model Namespace

Task.saveTo Method

Overload List

Name	Description
Task.saveTo (Element, XmlSerializationContext)	Saves the task data to an XML document.
Task.saveTo (JsonObject, JsonSerializationContext)	Saves the task as a JSON object.

See Also

Task Members
Task Class
com.mindfusion.scheduling.model Namespace

Task.saveTo Method (Element, XmlSerializationContext)

Saves the task data to an XML document.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void saveTo (
    Element element,
    XmlSerializationContext context
)
```

Parameters

element
Allows adding data to the XML document.

context
The context object contains the file format revision number of the schedule being loaded. It also provides methods that facilitate reading and writing various data types from and to the XML document.

See Also

saveTo Method Overload List
Task Members

Task.saveTo Method (JsonObject, JsonSerializationContext)

Saves the task as a JSON object.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void saveTo (
    JsonObject obj,
    JsonSerializationContext context
)
```

Parameters

obj
A JsonObject instance to contain the serialized data.

context
A JsonSerializationContext object providing contextual information about the serialization process and helper serialization methods.

See Also

saveTo Method Overload List
Task Members
Task Class
com.mindfusion.scheduling.model Namespace

Task.setActualCost Method

Sets the actual cost of this task.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setActualCost (
    float value
)
```

Parameters

value
A float value specifying the task's actual cost. The default is 0.

See Also

Task Members
Task Class
com.mindfusion.scheduling.model Namespace

Task.setActualDuration Method

Sets the task actual duration measured in minutes.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setActualDuration (
    int value
)
```

Parameters

value
An integer value specifying the task's duration. The default is 0.

See Also

Task Members
Task Class
com.mindfusion.scheduling.model Namespace

Task.setActualEnd Method

Sets the task's actual completion date.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setActualEnd (
    DateTime value
)
```

Parameters

value
A DateTime object specifying the task's actual end date. The default is DateTime.MaxValue.

See Also

Task Members
Task Class
com.mindfusion.scheduling.model Namespace

Task.setActualStart Method

Sets the task's actual start date.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setActualStart (
    DateTime value
)
```

Parameters

value
A DateTime object specifying the task's actual start date. The default is DateTime.MinValue.

See Also

Task Members
Task Class
com.mindfusion.scheduling.model Namespace

Task.setDetails Method

Sets the detailed description of this task.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setDetails (
    String value
)
```

Parameters

value
A string containing the task's details text. The default is an empty string.

See Also

Task Members
Task Class
com.mindfusion.scheduling.model Namespace

Task.setDueDate Method

Sets the task's due date.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public void setDueDate (
    DateTime value
)
```

Parameters

value
A DateTime object specifying the task's sue date. The default is DateTime.MaxValue.

See Also

Task Members
Task Class
com.mindfusion.scheduling.model Namespace

Task.setEstimatedCost Method

Sets the estimated cost of this task.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public void setEstimatedCost (
    float value
)
```

Parameters

value
A float value specifying the task's estimated cost. The default is 0.

See Also

Task Members
Task Class
com.mindfusion.scheduling.model Namespace

Task.setEstimatedDuration Method

Sets the estimated duration of this task.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
```

```
public void setEstimatedDuration (
    int value
)
```

Parameters

value
An integer value specifying the task's scheduled duration. The default is 0.

See Also

Task Members
Task Class
com.mindfusion.scheduling.model Namespace

Task.setImageIndex Method

Sets the index of the image associated with this task.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setImageIndex (
    int value
)
```

Parameters

value
An integer value specifying the index of the task image within the image list associated with the view component. The default is 0.

See Also

Task Members
Task Class
com.mindfusion.scheduling.model Namespace

Task.setPriority Method

Gets the task priority.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setPriority (
    TaskPriority value
)
```

Parameters

value
One of the TaskPriority constants. The default is **TaskPriority.Normal**.

See Also

Task Members
Task Class
com.mindfusion.scheduling.model Namespace

Task.setProgress Method

Sets the task progress measured in percents.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setProgress (
    float value
)
```

Parameters

value
A float value specifying the progress made on this task. The default is 0.

See Also

Task Members
Task Class
com.mindfusion.scheduling.model Namespace

Task.setReminder Method

Sets the reminder for this task.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setReminder (
    Reminder value
)
```

Parameters

value
A Reminder instance specifying when the task should be reminded of. The default is **null**.

See Also

Task Members
Task Class
com.mindfusion.scheduling.model Namespace

Task.setStartDate Method

Sets the task's start date.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setStartDate (
    DateTime value
)
```

Parameters

value
A DateTime object specifying the task's scheduled start time. The default is DateTime.MinValue.

See Also

Task Members
Task Class
com.mindfusion.scheduling.model Namespace

Task.setStatus Method

Sets the status of this task.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setStatus (
    TaskStatus value
)
```

Parameters

value
One of the TaskStatus constants. The default is **TaskStatus.NotStarted**.

See Also

Task Members
Task Class
com.mindfusion.scheduling.model Namespace

Task.setSubject Method

Sets the subject of this task.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setSubject (
    String value
)
```

Parameters

value
A string containing the task subject text. The default is an empty string.

See Also

Task Members
Task Class
com.mindfusion.scheduling.model Namespace

TaskEvent Class

Contains the arguments passed to handlers of task related events.

Syntax

Java

```
public class TaskEvent extends EventObject
```

Inheritance Hierarchy

java.lang.Object
  java.util.EventObject
    com.mindfusion.scheduling.model.TaskEvent

See Also

TaskEvent Members
com.mindfusion.scheduling.model Namespace

TaskEvent Members

Contains the arguments passed to handlers of task related events.

The following tables list the members exposed by the TaskEvent type.

Public Constructors

	Name	Description
	TaskEvent	Initializes a new instance of the **TaskEvent** class.

Public Methods

	Name	Description
	getTask	Gets the task related to the event.

See Also

TaskEvent Class
com.mindfusion.scheduling.model Namespace

TaskEvent Constructor

Initializes a new instance of the TaskEvent class.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public TaskEvent (
    Object source,
    Task task
)
```

Parameters

source
The Schedule that raises this event.

task
The Task instance for which the event is raised.

See Also

TaskEvent Class
com.mindfusion.scheduling.model Namespace

TaskEvent Methods

TaskEvent.getTask Method

Gets the task related to the event.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java
`public Task getTask ()`

Return Value

An instance of the Task class related to the raised event.

See Also

TaskEvent Members
TaskEvent Class
com.mindfusion.scheduling.model Namespace

TaskPriority Enumeration

Specifies the priority of a Task.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java
`public enum TaskPriority`

Members

	Member name	Description
	High	Indicates high task priority.
	Low	Indicates low task priority.
	Normal	Indicates normal task priority.

See Also

com.mindfusion.scheduling.model Namespace

TaskStatus Enumeration

Specifies the status of a Task.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public enum TaskStatus
```

Members

	Member name	Description
	Completed	Indicates a completed task.
	Deferred	Indicates a deferred task.
	InProgress	Indicates a task in progress.
	NotStarted	Indicates a task that has not started yet.
	WaitingOther	Indicates a task that depends on another task.

See Also

com.mindfusion.scheduling.model Namespace

UndoEvent Class

Contains the arguments passed to the ScheduleListener.actionUndone and ScheduleListener.actionRedone event handlers.

Syntax

Java
`public class UndoEvent extends EventObject`

Inheritance Hierarchy

java.lang.Object
  java.util.EventObject
    com.mindfusion.scheduling.model.UndoEvent

See Also

UndoEvent Members
com.mindfusion.scheduling.model Namespace

UndoEvent Members

Contains the arguments passed to the ScheduleListener.actionUndone and ScheduleListener.actionRedone event handlers.

The following tables list the members exposed by the UndoEvent type.

Public Constructors

	Name	Description
	UndoEvent	Initializes a new instance of the **UndoEvent** class.

Public Methods

	Name	Description
	getCommand	Gets a reference to the Command instance related to the event being handled.

See Also

UndoEvent Class
com.mindfusion.scheduling.model Namespace

UndoEvent Constructor

Initializes a new instance of the UndoEvent class.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public UndoEvent (
    Object source,
    Command command
)
```

Parameters

source
The source of the event.

command
The Command related to the event.

See Also

UndoEvent Class
com.mindfusion.scheduling.model Namespace

UndoEvent Methods

UndoEvent.getCommand Method

Gets a reference to the Command instance related to the event being handled.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Command getCommand ()
```

Return Value

The Command related to the event.

See Also

UndoEvent Members
UndoEvent Class
com.mindfusion.scheduling.model Namespace

ValidateOccurrenceEvent Class

Contains the arguments passed to handlers of the RecurrenceListener.validateOccurrence event.

Syntax

Java
`public class ValidateOccurrenceEvent extends EventObject`

Inheritance Hierarchy

java.lang.Object
  java.util.EventObject
    com.mindfusion.scheduling.model.ValidateOccurrenceEvent

See Also

ValidateOccurrenceEvent Members
com.mindfusion.scheduling.model Namespace

ValidateOccurrenceEvent Members

Contains the arguments passed to handlers of the RecurrenceListener.validateOccurrence event.

The following tables list the members exposed by the ValidateOccurrenceEvent type.

Public Methods

	Name	Description
	getIgnore	Gets a value indicating whether this occurrence should be ignored in the pattern.
	getItem	Gets a reference to the occurrence being checked for validity.
	getRecurrenceIndex	Gets the zero-based index of the occurrence being validated.
	setIgnore	Sets a value indicating whether this occurrence should be ignored in the pattern.

See Also

ValidateOccurrenceEvent Methods

ValidateOccurrenceEvent.getIgnore Method

Gets a value indicating whether this occurrence should be ignored in the pattern.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public boolean getIgnore ()
```

Return Value

true, to prevent this occurrence from appearing in the recurrence pattern; otherwise, **false**. The default is **false**.

Remarks

You can use this property to filter out occurrences of the pattern, which do not meet certain criteria. For example, you can remove all occurrences on weekend days.

See Also

ValidateOccurrenceEvent Members
ValidateOccurrenceEvent Class
com.mindfusion.scheduling.model Namespace

ValidateOccurrenceEvent.getItem Method

Gets a reference to the occurrence being checked for validity.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public Item getItem ()
```

Return Value

An instance of the Item class specifying the occurrence for which the event is raised.

Remarks

You can set various properties of this instance without fear that it will become recurrence exception. For example, you can modify the start and/or end time of the item in order to ensure that the item will not appear on weekend days.

See Also

ValidateOccurrenceEvent Members
ValidateOccurrenceEvent Class
com.mindfusion.scheduling.model Namespace

ValidateOccurrenceEvent.getRecurrenceIndex Method

Gets the zero-based index of the occurrence being validated.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public int getRecurrenceIndex ()
```

Return Value

A non-negative integer value.

Remarks

At the time the item is being validated, it is still not marked as occurrence and its Item.getOccurrenceIndex property returns -1. Therefore you need to use this property to obtain the actual recurrence index of the item. This is done to allow you to change any of the item's properties without forcing it to become an exception.

See Also

ValidateOccurrenceEvent Members
ValidateOccurrenceEvent Class
com.mindfusion.scheduling.model Namespace

ValidateOccurrenceEvent.setIgnore Method

Sets a value indicating whether this occurrence should be ignored in the pattern.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public void setIgnore (
    boolean value
)
```

Parameters

value
true, to prevent this occurrence from appearing in the recurrence pattern; otherwise, **false**. The default is **false**.

Remarks

You can use this property to filter out occurrences of the pattern, which do not meet certain criteria. For example, you can remove all occurrences on weekend days.

See Also

ValidateOccurrenceEvent Members
ValidateOccurrenceEvent Class
com.mindfusion.scheduling.model Namespace

XmlException Class

Represents an exception that can be thrown during XML saving, loading and processing.

Syntax

Java

```
public class XmlException extends RuntimeException
```

Inheritance Hierarchy

java.lang.Object
  java.lang.Throwable
    java.lang.Exception
      java.lang.RuntimeException
        com.mindfusion.scheduling.model.XmlException

See Also

XmlException Members
com.mindfusion.scheduling.model Namespace

XmlException Members

Represents an exception that can be thrown during XML saving, loading and processing.

The following tables list the members exposed by the XmlException type.

See Also

XmlException Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext Class

Contains methods that help serialize and deserialize schedule objects to and from XML documents.

Syntax

Java

```
public class XmlSerializationContext extends SerializationContext
```

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.model.SerializationContext
    com.mindfusion.scheduling.model.XmlSerializationContext

See Also

XmlSerializationContext Members
com.mindfusion.scheduling.model Namespace

XmlSerializationContext Members

Contains methods that help serialize and deserialize schedule objects to and from XML documents.

The following tables list the members exposed by the XmlSerializationContext type.

Public Constructors

	Name	Description
	XmlSerializationContext	Overloaded. Initializes a new instance of the **XmlSerializationContext** class.

Public Methods

	Name	Description
	addChildElement	Overloaded. Adds a new child node to a specified parent node.
	addSerializationContextListener	Adds a SerializationContextListener to the context. (Inherited from SerializationContext.)
	getClassVersion	Gets the class version of the currently deserialized item.
	getFileVersion	Gets the format revision number of the file being loaded. (Inherited from SerializationContext.)
	getSchedule	Gets a reference to the schedule currently being serialized or deserialized. (Inherited from SerializationContext.)
	getXmlDocument	Gets the underlying XML document.
	readBool	Overloaded. Reads a boolean value with the specified name.
	readBrush	Reads a Brush object with the specified name.
	readByte	Reads a byte value with the specified name.
	readChar	Reads a char value with the specified name.
	readColor	Reads a color with the specified name.
	readColorArray	Reads a color array with the specified name.
	readCustomBrushes	Reads a CustomBrushes object with the specified name.

	readDateTime	Reads a DateTime object with the specified name.
	readDouble	Reads a double value with the specified name.
	readEnum	Reads an enumeration value with the specified name.
	readFloat	Reads a float value with the specified name.
	readFloatArray	Reads a float array with the specified name.
	readFont	Reads a Font object with the specified name.
	readHashtable	Reads a hash table object with the specified name.
	readImage	Reads an Image object with the specified name.
	readInt	Reads an integer value with the specified name.
	readLong	Reads a long value with the specified name.
	readObject	Reads an object with the specified name.
	readPen	Reads a Pen object with the specified name.
	readRecurrence	Reads a Recurrence object with the specified name.
	readReminder	Reads a Reminder object with the specified name.
	readShort	Reads a short value with the specified name.
	readString	Reads a string value with the specified name.
	readStyle	Reads a Style object with the specified name.
	readTag	Reads the specified tag for the specified object.
	readTextFormat	Reads a TextFormat object with the specified name.
	removeSerializationContextListener	Removes the specified **SerializationContextListener** from the context. (Inherited from SerializationContext.)
	writeBool	Writes a boolean value with the specified name.
	writeBrush	Writes a reference to the specified brush. The brush is registered within the internal hashtable for subsequent serialization.
	writeByte	Write a byte value with the specified name.
	writeChar	Write a char value with the specified name.
	writeColor	Writes the specified color.
	writeColorArray	Writes the specified array.
	writeCustomBrushes	Writes the specified **CustomBrushes** object.
	writeDateTime	Writes the specified DateTime object.
	writeDouble	Writes a double value with the specified name.
	writeEnum	Writes the specified enumeration value.
	writeFloat	Writes a float value with the specified name.

	writeFloatArray	Writes the specified array.
	writeFont	Writes the specified font.
	writeHashtable	Writes the specified hashtable.
	writeImage	Writes a reference to the specified image. The image is registered within the internal hashtable for subsequent serialization.
	writeInt	Writes an integer value with the specified name.
	writeLong	Writes a long value with the specified name.
	writeObject	Writes the specified object under the specified name.
	writePen	Writes the specified pen.
	writeRecurrence	Writes the specified **Recurrence** object.
	writeReminder	Writes the specified **Reminder** object.
	writeShort	Writes a short value with the specified name.
	writeString	Writes a string value with the specified name.
	writeStringFormat	Writes the specified **TextFormat** object.
	writeStyle	Writes the specified **Style** object.
	writeTag	Writes the specified tag of the specified object.

See Also

XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext Constructor

Initializes a new instance of the XmlSerializationContext class.

Overload List

Name	Description
XmlSerializationContext (Schedule, Document)	Initializes a new instance of the **XmlSerializationContext** class.
XmlSerializationContext (Schedule, Int32, Document)	Initializes a new instance of the **XmlSerializationContext** class.

See Also

XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext Constructor (Schedule, Document)

Initializes a new instance of the XmlSerializationContext class.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public XmlSerializationContext (
    Schedule schedule,
    Document document
)
```

Parameters

schedule
The Schedule this class will operate on.

document
The XML document to serialize/deserialize to/from.

See Also

XmlSerializationContext Constructor Overload List
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext Constructor (Schedule, Int32, Document)

Initializes a new instance of the XmlSerializationContext class.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public XmlSerializationContext (
    Schedule schedule,
    int fileVersion,
    Document document
)
```

Parameters

schedule
The Schedule this class will operate on.

fileVersion
The file version of the file being deserialized.

document
The XML document to serialize/deserialize to/from.

See Also

XmlSerializationContext Constructor Overload List
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext Methods

XmlSerializationContext.addChildElement Method

Adds a new child node to a specified parent node.

Overload List

Name	Description
XmlSerializationContext.addChildElement (String, Element)	Adds a new child node with the specified name to the specified parent node.
XmlSerializationContext.addChildElement (String, Element, String)	Adds a new child node with the specified name and value to the specified parent node.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.addChildElement Method (String, Element)

Adds a new child node with the specified name to the specified parent node.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Element addChildElement (
    String elementName,
    Element parentElement
)
```

Parameters

elementName
The desired name of the new node.

parentElement
The parent element of the newly created node.

Return Value

An **Element** object representing the newly created element.

See Also

addChildElement Method Overload List
XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.addChildElement Method (String, Element, String)

Adds a new child node with the specified name and value to the specified parent node.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Element addChildElement (
    String elementName,
    Element parentElement,
    String innerText
)
```

Parameters

elementName
The desired name of the new node.

parentElement
The parent element of the newly created node.

innerText
The desired value of the new node.

Return Value

An **Element** object representing the newly created element.

See Also

addChildElement Method Overload List
XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.getClassVersion Method

Gets the class version of the currently deserialized item.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public int getClassVersion ()
```

Return Value

An integer value specifying the class version of the currently deserialized item as specified by the call to Schedule.registerItemClass method at the time the item type was registered.

Remarks

This property is only useful when deserializing items.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.getXmlDocument Method

Gets the underlying XML document.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java
`public Document getXmlDocument ()`

Return Value

An instance of the **Document** class.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.readBool Method

Reads a boolean value with the specified name.

Overload List

Name	Description
XmlSerializationContext.readBool (String, Element)	Reads a boolean value with the specified name.
XmlSerializationContext.readBool (String, Element, Boolean)	Reads a boolean value with the specified name.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.readBool Method (String, Element)

Reads a boolean value with the specified name.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public boolean readBool (
    String elementName,
    Element parentElement
)
```

Parameters

elementName
The name of the element containing the boolean value.

parentElement
The parent element of the node with the specified name.

Return Value

A boolean value. Returns **false** if there is no element with the specified name under the specified parent.

See Also

readBool Method Overload List
XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.readBool Method (String, Element, Boolean)

Reads a boolean value with the specified name.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public boolean readBool (
    String elementName,
    Element parentElement,
    boolean defaultValue
)
```

Parameters

elementName
The name of the element containing the boolean value.

parentElement
The parent element of the node with the specified name.

defaultValue
The value that should be returned if there is no node with the specified name under the specified parent element.

Return Value

A boolean value.

Remarks

If there is no element with the specified name, returns the specified default value.

See Also

readBool Method Overload List
XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.readBrush Method

Reads a Brush object with the specified name.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Brush readBrush (
    String elementName,
    Element parentElement
)
```

Parameters

elementName
The name of the element containing the Brush object.

parentElement
The parent element of the node with the specified name.

Return Value

An instance of the Brush class. Returns **null** if there is no element with the specified name under the specified parent.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.readByte Method

Reads a byte value with the specified name.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public byte readByte (
    String elementName,
    Element parentElement
)
```

Parameters

elementName
The name of the element containing the byte value.

parentElement
The parent element of the node with the specified name.

Return Value

A byte value. Returns 0 if there is no element with the specified name under the specified parent.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.readChar Method

Reads a char value with the specified name.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public Character readChar (
    String elementName,
    Element parentElement
)
```

Parameters

elementName
The name of the element containing the char value.

parentElement
The parent element of the node with the specified name.

Return Value

A char value. Returns 'a' if there is no element with the specified name under the specified parent.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.readColor Method

Reads a color with the specified name.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Color readColor (
    String elementName,
    Element parentElement
)
```

Parameters

elementName
The name of the element containing the Color object.

parentElement
The parent element of the node with the specified name.

Return Value

A **Color** object. Returns Colors.Black if there is no element with the specified name under the specified parent.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.readColorArray Method

Reads a color array with the specified name.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Color[] readColorArray (
    String elementName,
    String subElementName,
    Element parentElement
)
```

Parameters

elementName

The name of the element containing the array.

subElementName
The name of the elements containing the individual array values.

parentElement
The parent element of the node with the specified name.

Return Value

An array of **Color** values. Returns **null** if there is no element with the specified name under the specified parent.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.readCustomBrushes Method

Reads a CustomBrushes object with the specified name.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public CustomBrushes readCustomBrushes (
    String elementName,
    Element parentElement
)
```

Parameters

elementName
The name of the element containing the CustomBrushes object.

parentElement
The parent element of the node with the specified name.

Return Value

An instance of the **CustomBrushes** class. Returns **null** if there is no element with the specified name under the specified parent.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.readDateTime Method

Reads a DateTime object with the specified name.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public DateTime readDateTime (
    String elementName,
    Element parentElement
)
```

Parameters

elementName
The name of the element containing the DateTime object.

parentElement
The parent element of the node with the specified name.

Return Value

A **DateTime** object. Returns DateTime.MinValue if there is no element with the specified name under the specified parent.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.readDouble Method

Reads a double value with the specified name.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public double readDouble (
    String elementName,
    Element parentElement
)
```

Parameters

elementName
The name of the element containing the double value.

parentElement
The parent element of the node with the specified name.

Return Value

A double value. Returns 0 if there is no element with the specified name under the specified parent.

See Also

XmlSerializationContext Members
XmlSerializationContext Class

XmlSerializationContext.readEnum Method

Reads an enumeration value with the specified name.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public int readEnum (
    String elementName,
    Element parentElement
)
```

Parameters

elementName
The name of the element containing the enumeration value.

parentElement
The parent element of the node with the specified name.

Return Value

An enumeration constant. Returns 0 if there is no element with the specified name under the specified parent.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.readFloat Method

Reads a float value with the specified name.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public float readFloat (
    String elementName,
    Element parentElement
)
```

Parameters

elementName
The name of the element containing the float value.

parentElement

The parent element of the node with the specified name.

Return Value

A float value. Returns 0 if there is no element with the specified name under the specified parent.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.readFloatArray Method

Reads a float array with the specified name.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public float[] readFloatArray (
    String elementName,
    String subElementName,
    Element parentElement
)
```

Parameters

elementName
The name of the element containing the array.

subElementName
The name of the elements containing the individual array values.

parentElement
The parent element of the node with the specified name.

Return Value

An array of float values. Returns **null** if there is no element with the specified name under the specified parent.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.readFont Method

Reads a Font object with the specified name.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Font readFont (
    String elementName,
    Element parentElement
)
```

Parameters

elementName
The name of the element containing the **Font** object.

parentElement
The parent element of the node with the specified name.

Return Value

A **Font** object. Returns **null** if there is no element with the specified name under the specified parent.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.readHashtable Method

Reads a hash table object with the specified name.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public ExtendedHashMap<Object, Object> readHashtable (
    String elementName,
    Element parentElement
)
```

Parameters

elementName
The name of the element containing the hashtable.

parentElement
The parent element of the node with the specified name.

Return Value

An ExtendedHashMap object. Returns **null** if there is no element with the specified name under the specified parent.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.readImage Method

Reads an Image object with the specified name.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Image readImage (
    String elementName,
    Element parentElement
)
```

Parameters

elementName
The name of the element containing the **Image** object.

parentElement
The parent element of the node with the specified name.

Return Value

An **Image** object. Returns **null** if there is no element with the specified name under the specified parent.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.readInt Method

Reads an integer value with the specified name.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public int readInt (
    String elementName,
    Element parentElement
)
```

Parameters

elementName
The name of the element containing the integer value.

parentElement
The parent element of the node with the specified name.

Return Value

An integer value. Returns 0 if there is no element with the specified name under the specified parent.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.readLong Method

Reads a long value with the specified name.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public long readLong (
    String elementName,
    Element parentElement
)
```

Parameters

elementName
The name of the element containing the long value.

parentElement
The parent element of the node with the specified name.

Return Value

A long value. Returns 0 if there is no element with the specified name under the specified parent.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.readObject Method

Reads an object with the specified name.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Object readObject (
    String elementName,
    Element parentElement
)
```

Parameters

elementName
The name of the element containing the object.

parentElement
The parent element of the node with the specified name.

Return Value

An object. Returns **null** if there is no element with the specified name under the specified parent or if the object cannot be deserialized.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.readPen Method

Reads a Pen object with the specified name.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Pen readPen (
    String elementName,
    Element parentElement
)
```

Parameters

elementName
The name of the element containing the Pen object.

parentElement
The parent element of the node with the specified name.

Return Value

An instance of the **Pen** class. Returns **null** if there is no element with the specified name under the specified parent.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.readRecurrence Method

Reads a Recurrence object with the specified name.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Recurrence readRecurrence (
    String elementName,
    Element parentElement
)
```

Parameters

elementName
The name of the element containing the Recurrence object.

parentElement
The parent element of the node with the specified name.

Return Value

An instance of the **Recurrence** class. Returns **null** if there is no element with the specified name under the specified parent.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.readReminder Method

Reads a Reminder object with the specified name.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Reminder readReminder (
    String elementName,
    Element parentElement
)
```

Parameters

elementName
The name of the element containing the Reminder object.

parentElement
The parent element of the node with the specified name.

Return Value

An instance of the **Reminder** class. Returns **null** if there is no element with the specified name under the specified parent.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.readShort Method

Reads a short value with the specified name.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public short readShort (
    String elementName,
    Element parentElement
)
```

Parameters

elementName
The name of the element containing the short value.

parentElement
The parent element of the node with the specified name.

Return Value

A short value. Returns 0 if there is no element with the specified name under the specified parent.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.readString Method

Reads a string value with the specified name.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public String readString (
    String elementName,
    Element parentElement
)
```

Parameters

elementName
The name of the element containing the string value.

parentElement
The parent element of the node with the specified name.

Return Value

A string value. Returns an empty string if there is no element with the specified name under the specified parent.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.readStyle Method

Reads a Style object with the specified name.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Style readStyle (
    String elementName,
    Element parentElement
)
```

Parameters

elementName
The name of the element containing the Style object.

parentElement
The parent element of the node with the specified name.

Return Value

An instance of the **Style** class. Returns **null** if there is no element with the specified name under the specified parent.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.readTag Method

Reads the specified tag for the specified object.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public Object readTag (
    Object item,
    String elementName,
    Element parentElement
)
```

Parameters

item
The Item whose tag is being deserialized.

elementName
The name of the element containing the tag object.

parentElement
The parent element of the node with the specified name.

Return Value

An object. Returns **null** if there is no element with the specified name under the specified parent or if the tag cannot be deserialized.

Remarks

Tags are read similarly to arbitrary objects except that the client of the calendar is given a chance to perform custom deserialization through event handling.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.readTextFormat Method

Reads a TextFormat object with the specified name.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

```
Java
public TextFormat readTextFormat (
    String elementName,
    Element parentElement
)
```

Parameters

elementName
The name of the element containing the TextFormat object.

parentElement
The parent element of the node with the specified name.

Return Value

A **TextFormat** object. Returns **null** if there is no element with the specified name under the specified parent.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.writeBool Method

Writes a boolean value with the specified name.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Element writeBool (
    boolean value,
    String elementName,
    Element parentElement
)
```

Parameters

value
The boolean value to write.

elementName
The name of the element under which the value should be written.

parentElement
The parent element of the newly created node.

Return Value

An instance of the **Element** class representing the newly created XML element.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.writeBrush Method

Writes a reference to the specified brush. The brush is registered within the internal hashtable for subsequent serialization.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Element writeBrush (
    Brush brush,
    String elementName,
    Element parentElement
)
```

Parameters

brush
The Brush instance to write.

elementName
The name of the element under which the value should be written.

parentElement
The parent element of the newly created node.

Return Value

An instance of the **Element** class representing the newly created XML element.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.writeByte Method

Write a byte value with the specified name.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Element writeByte (
    byte value,
    String elementName,
    Element parentElement
)
```

Parameters

value
The byte value to write.

elementName
The name of the element under which the value should be written.

parentElement
The parent element of the newly created node.

Return Value

An instance of the **Element** class representing the newly created XML element.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.writeChar Method

Write a char value with the specified name.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Element writeChar (
    Character value,
    String elementName,
    Element parentElement
)
```

Parameters

value
The char value to write.

elementName
The name of the element under which the value should be written.

parentElement
The parent element of the newly created node.

Return Value

An instance of the **Element** class representing the newly created XML element.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.writeColor Method

Writes the specified color.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Element writeColor (
    Color color,
    String elementName,
    Element parentElement
)
```

Parameters

color
The **Color** object to write.

elementName
The name of the element under which the value should be written.

parentElement
The parent element of the newly created node.

Return Value

An instance of the **Element** class representing the newly created XML element.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.writeColorArray Method

Writes the specified array.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Element writeColorArray (
    Color[] array,
    String elementName,
    String subElementName,
    Element parentElement
)
```

Parameters

array
The array to write.

elementName
The name of the element under which the value should be written.

subElementName
The name of the XML elements under which the individual array values will be written.

parentElement
The parent element of the newly created node.

Return Value

An instance of the **Element** class representing the newly created XML element.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.writeCustomBrushes Method

Writes the specified CustomBrushes object.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Element writeCustomBrushes (
    CustomBrushes customBrushes,
    String elementName,
    Element parentElement
)
```

Parameters

customBrushes
The CustomBrushes object to write.

elementName
The name of the element under which the value should be written.

parentElement
The parent element of the newly created node.

Return Value

An instance of the **Element** class representing the newly created XML element.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.writeDateTime Method

Writes the specified DateTime object.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Element writeDateTime (
    DateTime value,
    String elementName,
    Element parentElement
)
```

Parameters

value
The DateTime object to write.

elementName
The name of the element under which the value should be written.

parentElement
The parent element of the newly created node.

Return Value

An instance of the **Element** class representing the newly created XML element.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.writeDouble Method

Writes a double value with the specified name.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Element writeDouble (
    double value,
    String elementName,
    Element parentElement
)
```

Parameters

value
The double value to write.

elementName
The name of the element under which the value should be written.

parentElement
The parent element of the newly created node.

Return Value

An instance of the **Element** class representing the newly created XML element.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.writeEnum Method

Writes the specified enumeration value.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Element writeEnum (
    int value,
    String elementName,
    Element parentElement
)
```

Parameters

value
The enumeration value to write.

elementName
The name of the element under which the value should be written.

parentElement
The parent element of the newly created node.

Return Value

An instance of the **Element** class representing the newly created XML element.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.writeFloat Method

Writes a float value with the specified name.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Element writeFloat (
    float value,
    String elementName,
    Element parentElement
)
```

Parameters

value
The float value to write.

elementName

The name of the element under which the value should be written.

parentElement
The parent element of the newly created node.

Return Value

An instance of the **Element** class representing the newly created XML element.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.writeFloatArray Method

Writes the specified array.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Element writeFloatArray (
    float[] array,
    String elementName,
    String subElementName,
    Element parentElement
)
```

Parameters

array
The array to write.

elementName
The name of the element under which the value should be written.

subElementName
The name of the XML elements under which the individual array values will be written.

parentElement
The parent element of the newly created node.

Return Value

An instance of the **Element** class representing the newly created XML element.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.writeFont Method

Writes the specified font.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Element writeFont (
    Font font,
    String elementName,
    Element parentElement
)
```

Parameters

font
The **Font** object to write.

elementName
The name of the element under which the value should be written.

parentElement
The parent element of the newly created node.

Return Value

An instance of the **Element** class representing the newly created XML element.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.writeHashtable Method

Writes the specified hashtable.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Element writeHashtable (
    ExtendedHashMap<?, ?> hashtable,
    String elementName,
    Element parentElement
)
```

Parameters

hashtable
The ExtendedHashMap object to write.

elementName
The name of the element under which the value should be written.

parentElement
The parent element of the newly created node.

Return Value

An instance of the **Element** class representing the newly created XML element.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.writeImage Method

Writes a reference to the specified image. The image is registered within the internal hashtable for subsequent serialization.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Element writeImage (
    Image image,
    String elementName,
    Element parentElement
)
```

Parameters

image
The **Image** object to write.

elementName
The name of the element under which the value should be written.

parentElement
The parent element of the newly created node.

Return Value

An instance of the **Element** class representing the newly created XML element.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.writeInt Method

Writes an integer value with the specified name.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Element writeInt (
    int value,
    String elementName,
    Element parentElement
)
```

Parameters

value
The int value to write.

elementName
The name of the element under which the value should be written.

parentElement
The parent element of the newly created node.

Return Value

An instance of the **Element** class representing the newly created XML element.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.writeLong Method

Writes a long value with the specified name.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Element writeLong (
    long value,
    String elementName,
    Element parentElement
)
```

Parameters

value
The long value to write.

elementName
The name of the element under which the value should be written.

parentElement
The parent element of the newly created node.

Return Value

An instance of the **Element** class representing the newly created XML element.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.writeObject Method

Writes the specified object under the specified name.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Element writeObject (
    Object value,
    String elementName,
    Element parentElement
)
```

Parameters

value
The object to write.

elementName
The name of the element under which the value should be written.

parentElement
The parent element of the newly created node.

Return Value

An instance of the **Element** class representing the newly created XML element.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.writePen Method

Writes the specified pen.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Element writePen (
    Pen pen,
    String elementName,
    Element parentElement
)
```

Parameters

pen
The Pen instance to write.

elementName
The name of the element under which the value should be written.

parentElement
The parent element of the newly created node.

Return Value

An instance of the **Element** class representing the newly created XML element.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.writeRecurrence Method

Writes the specified Recurrence object.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Element writeRecurrence (
    Recurrence recurrence,
    String elementName,
    Element parentElement
)
```

Parameters

recurrence
The Recurrence object to write.

elementName
The name of the element under which the value should be written.

parentElement
The parent element of the newly created node.

Return Value

An instance of the **Element** class representing the newly created XML element.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.writeReminder Method

Writes the specified Reminder object.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Element writeReminder (
    Reminder reminder,
    String elementName,
    Element parentElement
)
```

Parameters

reminder
The Reminder object to write.

elementName
The name of the element under which the value should be written.

parentElement
The parent element of the newly created node.

Return Value

An instance of the **Element** class representing the newly created XML element.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.writeShort Method

Writes a short value with the specified name.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Element writeShort (
    short value,
    String elementName,
    Element parentElement
)
```

Parameters

value
The short value to write.

elementName
The name of the element under which the value should be written.

parentElement
The parent element of the newly created node.

Return Value

An instance of the **Element** class representing the newly created XML element.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.writeString Method

Writes a string value with the specified name.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Element writeString (
    String value,
    String elementName,
    Element parentElement
)
```

Parameters

value
The string value to write.

elementName
The name of the element under which the value should be written.

parentElement
The parent element of the newly created node.

Return Value

An instance of the **Element** class representing the newly created XML element.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.writeStringFormat Method

Writes the specified TextFormat object.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Element writeStringFormat (
    TextFormat textFormat,
    String elementName,
    Element parentElement
)
```

Parameters

textFormat
The TextFormat object to write.

elementName
The name of the element under which the value should be written.

parentElement
The parent element of the newly created node.

Return Value

An instance of the **Element** class representing the newly created XML element.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.writeStyle Method

Writes the specified Style object.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Element writeStyle (
    Style style,
    String elementName,
    Element parentElement
)
```

Parameters

style
The Style object to write.

elementName

The name of the element under which the value should be written.

parentElement
The parent element of the newly created node.

Return Value

An instance of the **Element** class representing the newly created XML element.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

XmlSerializationContext.writeTag Method

Writes the specified tag of the specified object.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java

```
public Element writeTag (
    Object item,
    Object tagValue,
    String elementName,
    Element parentElement
)
```

Parameters

item
The Item whose tag is being serialized.

tagValue
The tag object to write.

elementName
The name of the element under which the value should be written.

parentElement
The parent element of the newly created node.

Return Value

An instance of the **Element** class representing the newly created XML element.

Remarks

Tags are written similarly to arbitrary objects except that the client of the calendar is given a chance to perform custom serialization through event handling.

See Also

XmlSerializationContext Members
XmlSerializationContext Class
com.mindfusion.scheduling.model Namespace

YearlyRecurrence Enumeration

Specifies the types of yearly recurrence patterns.

Namespace: com.mindfusion.scheduling.model
Package: com.mindfusion.scheduling.model

Syntax

Java
`public enum YearlyRecurrence`

Members

	Member name	Description
	ByDayType	The event occurs on a specific type of day of the specified week and month of the year.
	SpecificDate	The event occurs on a specific date of the year.

See Also

com.mindfusion.scheduling.model Namespace

com.mindfusion.scheduling.standardforms Namespace

AppointmentForm Class

Ready-made form for appointment editing.

Syntax

Java
`public class AppointmentForm extends JDialog`

Inheritance Hierarchy

java.lang.Object
  java.awt.Component
    java.awt.Container
      java.awt.Window
        java.awt.Dialog
          javax.swing.JDialog
            com.mindfusion.scheduling.standardforms.AppointmentForm

See Also

AppointmentForm Members
com.mindfusion.scheduling.standardforms Namespace

AppointmentForm Members

Ready-made form for appointment editing.

The following tables list the members exposed by the AppointmentForm type.

Public Constructors

	Name	Description
	AppointmentForm	Overloaded.

Public Methods

	Name	Description
	getAppointment	
	getDialogResult	
	getTimeFormat	
	setAppointment	Sets the appointment that is to be edited in the form.
	setDates	Sets the dates to be used to initialize the form if no appointment is initially set.
	setTimeFormat	

Protected Methods

	Name	Description
	applyItemChanges	Called when the user presses the 'Save and Close' button to apply the changes to the appointment.
	applyRecurrenceChanges	Called when the user presses the 'Save and Close' button to apply the changes to the appointment's recurrence.

See Also

AppointmentForm Class
com.mindfusion.scheduling.standardforms Namespace

AppointmentForm Constructor

Overload List

Name	Description

AppointmentForm (Schedule)	Initializes a new instance of the AppointmentForm class.
AppointmentForm (Schedule, DateTimeInfo, LocalizationInfo)	Initializes a new instance of the AppointmentForm class.
AppointmentForm (Schedule, DateTimeInfo, LocalizationInfo, Window, Dialog.ModalityType)	Initializes a new instance of the AppointmentForm class.

See Also

AppointmentForm Class
com.mindfusion.scheduling.standardforms Namespace

AppointmentForm Constructor (Schedule)

Initializes a new instance of the AppointmentForm class.

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public AppointmentForm (
    Schedule schedule
)
```

Parameters

schedule
A Schedule object used to initialize certain fields on the form, such as the list with available locations. This value cannot be null.

See Also

AppointmentForm Constructor Overload List
AppointmentForm Class
com.mindfusion.scheduling.standardforms Namespace

AppointmentForm Constructor (Schedule, DateTimeInfo, LocalizationInfo)

Initializes a new instance of the AppointmentForm class.

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public AppointmentForm (
    Schedule schedule,
    DateTimeInfo formatInfo,
    LocalizationInfo localizationInfo
)
```

Parameters

schedule
A Schedule object used to initialize certain fields on the form, such as the list with available locations. This value cannot be null.

formatInfo
A DateTimeInfo object that specifies how to format and display dates and times within the form.

localizationInfo
A LocalizationInfo object that provides localized strings for labels and messages.

See Also

AppointmentForm Constructor Overload List
AppointmentForm Class
com.mindfusion.scheduling.standardforms Namespace

AppointmentForm Constructor (Schedule, DateTimeInfo, LocalizationInfo, Window, Dialog.ModalityType)

Initializes a new instance of the AppointmentForm class.

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public AppointmentForm (
    Schedule schedule,
    DateTimeInfo formatInfo,
    LocalizationInfo localizationInfo,
    Window owner,
    Dialog.ModalityType modalityType
)
```

Parameters

schedule
A Schedule object used to initialize certain fields on the form, such as the list with available locations. This value cannot be null.

formatInfo
A DateTimeInfo object that specifies how to format and display dates and times within the form.

localizationInfo
A LocalizationInfo object that provides localized strings for labels and messages.

owner

modalityType
A Dialog.ModalityType value specifying the form's modality.

See Also

AppointmentForm Constructor Overload List
AppointmentForm Class
com.mindfusion.scheduling.standardforms Namespace

AppointmentForm Methods

AppointmentForm.applyItemChanges Method

Called when the user presses the 'Save and Close' button to apply the changes to the appointment.

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
protected boolean applyItemChanges (
    Appointment app
)
```

Parameters

app
The appointment to apply the changes to.

Return Value

true, if there were actual changes to the appointment; otherwise, false.

See Also

AppointmentForm Members
AppointmentForm Class
com.mindfusion.scheduling.standardforms Namespace

AppointmentForm.applyRecurrenceChanges Method

Called when the user presses the 'Save and Close' button to apply the changes to the appointment's recurrence.

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
protected boolean applyRecurrenceChanges (
    Appointment app
)
```

Parameters

app
The appointment to which to apply the recurrence.

Return Value

true, if there were actual changes to the recurrence; otherwise, false.

See Also

AppointmentForm Members
AppointmentForm Class
com.mindfusion.scheduling.standardforms Namespace

AppointmentForm.getAppointment Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public Appointment getAppointment ()
```

Return Value

See Also

AppointmentForm Members
AppointmentForm Class
com.mindfusion.scheduling.standardforms Namespace

AppointmentForm.getDialogResult Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public DialogResult getDialogResult ()
```

Return Value

See Also

AppointmentForm Members
AppointmentForm Class
com.mindfusion.scheduling.standardforms Namespace

AppointmentForm.getTimeFormat Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public String getTimeFormat ()
```

Return Value

See Also

AppointmentForm Members
AppointmentForm Class
com.mindfusion.scheduling.standardforms Namespace

AppointmentForm.setAppointment Method

Sets the appointment that is to be edited in the form.

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setAppointment (
    Appointment appointment
)
```

Parameters

appointment
is a reference to the Appointment object to be selected in the form for editing. If the appointment represents a recurrence instance or exception, only the instance is being edited. If it represents a recurrence master, all instances are edited.

See Also

AppointmentForm Members
AppointmentForm Class
com.mindfusion.scheduling.standardforms Namespace

AppointmentForm.setDates Method

Sets the dates to be used to initialize the form if no appointment is initially set.

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setDates (
    DateTime start,
    DateTime end,
    boolean allDay
)
```

Parameters

start
A DateTime instance specifying the initial start date of the new appointment.

end
A DateTime instance specifying the initial end date of the new appointment.

allDay
A Boolean flag indicating whether the appointment is an all-day event initially. After you create a new instance of the AppointmentForm class, either call SetAppointment to select existing appointment for editing, or optionally call SetDates to initialize some fields on the form.

See Also

AppointmentForm Members
AppointmentForm Class
com.mindfusion.scheduling.standardforms Namespace

AppointmentForm.setTimeFormat Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setTimeFormat (
    String _timeFormat
)
```

Parameters

_timeFormat

See Also

AppointmentForm Members
AppointmentForm Class
com.mindfusion.scheduling.standardforms Namespace

DateComboBox Class

A combo box that allows entering and selecting dates.

Syntax

Java

```
public class DateComboBox extends JComboBox<E>
```

Inheritance Hierarchy

java.lang.Object
  java.awt.Component
    java.awt.Container
      javax.swing.JComponent
        javax.swing.JComboBox(E)
          com.mindfusion.scheduling.standardforms.DateComboBox

See Also

DateComboBox Members
com.mindfusion.scheduling.standardforms Namespace

DateComboBox Members

A combo box that allows entering and selecting dates.

The following tables list the members exposed by the DateComboBox type.

Public Constructors

	Name	Description
	DateComboBox	

Public Methods

	Name	Description
	getCalendar	
	setSelectedItem	JComboBox.setSelectedItem override.
	setValue	Sets the combo-box' date.
	updateUI	JComboBox.updateUI override.

See Also

DateComboBox Class
com.mindfusion.scheduling.standardforms Namespace

DateComboBox Constructor

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public DateComboBox ()`

See Also

DateComboBox Class
com.mindfusion.scheduling.standardforms Namespace

DateComboBox Methods

DateComboBox.getCalendar Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public Calendar getCalendar ()
```

Return Value

A Calendar instance displayed as combo-box' drop-down.

See Also

DateComboBox Members
DateComboBox Class
com.mindfusion.scheduling.standardforms Namespace

DateComboBox.setSelectedItem Method

JComboBox.setSelectedItem override.

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setSelectedItem (
    Object anObject
)
```

Parameters

anObject
can be a java date object or formated string from java date object

See Also

DateComboBox Members
DateComboBox Class
com.mindfusion.scheduling.standardforms Namespace

DateComboBox.setValue Method

Sets the combo-box' date.

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setValue (
    DateTime dateTime
)
```

Parameters

dateTime
A DateTime instance to display in this combo-box.

See Also

DateComboBox Members
DateComboBox Class
com.mindfusion.scheduling.standardforms Namespace

DateComboBox.updateUI Method

JComboBox.updateUI override.

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void updateUI ()
```

See Also

DateComboBox Members
DateComboBox Class
com.mindfusion.scheduling.standardforms Namespace

DialogResult Enumeration

Specifies identifiers to indicate the return value of a dialog box.

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public enum DialogResult
```

Members

	Member name	Description
	Cancel	The dialog box return value is Cancel (usually sent from a button labeled Cancel).

	None	The dialog box default value.
	OK	The dialog box return value is OK (usually sent from a button labeled OK).
	Remove	The dialog box return value is Remove (usually sent from a button labeled Remove).

See Also

com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo Class

Represents a container of localized strings, used by various UI elements across the Calendar.

Syntax

Java
`public class LocalizationInfo`

Inheritance Hierarchy

java.lang.Object
  com.mindfusion.scheduling.standardforms.LocalizationInfo

See Also

LocalizationInfo Members
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo Members

Represents a container of localized strings, used by various UI elements across the Calendar.

The following tables list the members exposed by the LocalizationInfo type.

Public Constructors

	Name	Description
	LocalizationInfo	

Public Methods

	Name	Description
	getAllDayEventCaption	
	getCancelButtonCaption	
	getConfirmRecurrenceRemoveHeader	
	getConfirmRecurrenceRemoveMessage	

	getContactsCaption	
	getCueFormHeader	
	getDailyValue	
	getDateCaption	
	getDatesCaption	
	getDaysCaption	
	getDaysValue	
	getDayValue	
	getDeleteButtonCaption	
	getDetailsCaption	
	getDueDateCaption	
	getDurationCaption	
	getEditFormHeader	
	getEditRecurrenceFormHeader	
	getEndAfterCaption	
	getEndCaption	
	getEndDateCaption	
	getEndTimeCaption	
	getEveryCaption	
	getEveryWeekdayValue	
	getEveryWeekendValue	
	getFirstValue	
	getFourthValue	
	getHoursCaption	
	getHoursValue	
	getHourValue	
	getIntervalValue	
	getInvalidRecurrenceIntervalHeader	
	getInvalidRecurrenceIntervalMessage	
	getLastValue	
	getLocationCaption	
	getMinutesCaption	
	getMinutesValue	

	getMinuteValue	
	getMonthlyValue	
	getMonthsValue	
	getMonthValue	
	getNewFormHeader	
	getNewRecurrenceFormHeader	
	getNoEndCaption	
	getOccurrencesValue	
	getOfEveryCaption	
	getOkButtonCaption	
	getOptionsButtonCaption	
	getPatternCaption	
	getPercentCompleteCaption	
	getPriorityCaption	
	getRangeCaption	
	getRecurEveryValue	
	getRecurrenceButtonCaption	
	getRecurrenceDailyFourPattern	
	getRecurrenceDailyOnePattern	
	getRecurrenceDailyThreePattern	
	getRecurrenceDailyTwoPattern	
	getRecurrenceEndDatePattern	
	getRecurrenceIntervalPattern	
	getRecurrenceMonthlyOnePattern	
	getRecurrenceMonthlyTwoPattern	
	getRecurrenceStartDatePattern	
	getRecurrenceTimeOnePattern	
	getRecurrenceTimeTwoPattern	
	getRecurrenceWeeklyOnePattern	
	getRecurrenceWeeklyTwoPattern	
	getRecurrenceYearlyOnePattern	
	getRecurrenceYearlyTwoPattern	
	getReminderCaption	

	getRemoveButtonCaption	
	getSaveButtonCaption	
	getSecondsCaption	
	getSecondsValue	
	getSecondValue	
	getStartCaption	
	getStartDateCaption	
	getStartTimeCaption	
	getStatusCaption	
	getSubjectCaption	
	getTaskFormHeader	
	getTaskPriorityHigh	
	getTaskPriorityLow	
	getTaskPriorityNormal	
	getTaskStatusCompleted	
	getTaskStatusDeferred	
	getTaskStatusInProgress	
	getTaskStatusNotStarted	
	getTaskStatusWaiting	
	getTheValue	
	getThirdValue	
	getTimeCaption	
	getTodayCaption	
	getWeekdayValue	
	getWeekendValue	
	getWeeklyValue	
	getWeeksOnValue	
	getWeeksValue	
	getWeekValue	
	getYearlyValue	
	loadFromXml	Overloaded.
	saveToXml	Overloaded.
S	selectSingleNode	Overloaded.

	setAllDayEventCaption	
	setCancelButtonCaption	
	setConfirmRecurrenceRemoveHeader	
	setConfirmRecurrenceRemoveMessage	
	setContactsCaption	
	setCueFormHeader	
	setDailyValue	
	setDateCaption	
	setDatesCaption	
	setDaysCaption	
	setDaysValue	
	setDayValue	
	setDeleteButtonCaption	
	setDetailsCaption	
	setDueDateCaption	
	setDurationCaption	
	setEditFormHeader	
	setEditRecurrenceFormHeader	
	setEndAfterCaption	
	setEndCaption	
	setEndDateCaption	
	setEndTimeCaption	
	setEveryCaption	
	setEveryWeekdayValue	
	setEveryWeekendValue	
	setFirstValue	
	setFourthValue	
	setHoursCaption	
	setHoursValue	
	setHourValue	
	setIntervalValue	
	setInvalidRecurrenceIntervalHeader	
	setInvalidRecurrenceIntervalMessage	

	setLastValue	
	setLocationCaption	
	setMinutesCaption	
	setMinutesValue	
	setMinuteValue	
	setMonthlyValue	
	setMonthsValue	
	setMonthValue	
	setNewFormHeader	
	setNewRecurrenceFormHeader	
	setNoEndCaption	
	setOccurrencesValue	
	setOfEveryCaption	
	setOkButtonCaption	
	setOptionsButtonCaption	
	setPatternCaption	
	setPercentCompleteCaption	
	setPriorityCaption	
	setRangeCaption	
	setRecurEveryValue	
	setRecurrenceButtonCaption	
	setRecurrenceDailyFourPattern	
	setRecurrenceDailyOnePattern	
	setRecurrenceDailyThreePattern	
	setRecurrenceDailyTwoPattern	
	setRecurrenceEndDatePattern	
	setRecurrenceIntervalPattern	
	setRecurrenceMonthlyOnePattern	
	setRecurrenceMonthlyTwoPattern	
	setRecurrenceStartDatePattern	
	setRecurrenceTimeOnePattern	
	setRecurrenceTimeTwoPattern	
	setRecurrenceWeeklyOnePattern	

	setRecurrenceWeeklyTwoPattern	
	setRecurrenceYearlyOnePattern	
	setRecurrenceYearlyTwoPattern	
	setReminderCaption	
	setRemoveButtonCaption	
	setSaveButtonCaption	
	setSecondsCaption	
	setSecondsValue	
	setSecondValue	
	setStartCaption	
	setStartDateCaption	
	setStartTimeCaption	
	setStatusCaption	
	setSubjectCaption	
	setTaskFormHeader	
	setTaskPriorityHigh	
	setTaskPriorityLow	
	setTaskPriorityNormal	
	setTaskStatusCompleted	
	setTaskStatusDeferred	
	setTaskStatusInProgress	
	setTaskStatusNotStarted	
	setTaskStatusWaiting	
	setTheValue	
	setThirdValue	
	setTimeCaption	
	setTodayCaption	
	setWeekdayValue	
	setWeekendValue	
	setWeeklyValue	
	setWeeksOnValue	
	setWeeksValue	
	setWeekValue	

	setYearlyValue	

See Also

LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo Constructor

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public LocalizationInfo ()
```

See Also

LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo Methods

LocalizationInfo.getAllDayEventCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public String getAllDayEventCaption ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getCancelButtonCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public String getCancelButtonCaption ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getConfirmRecurrenceRemoveHeader Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public String getConfirmRecurrenceRemoveHeader ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getConfirmRecurrenceRemoveMessage Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public String getConfirmRecurrenceRemoveMessage ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getContactsCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public String getContactsCaption ()`

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getCueFormHeader Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public String getCueFormHeader ()`

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getDailyValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public String getDailyValue ()`

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getDateCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public String getDateCaption ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getDatesCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public String getDatesCaption ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getDaysCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public String getDaysCaption ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getDaysValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public String getDaysValue ()`

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getDayValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public String getDayValue ()`

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getDeleteButtonCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public String getDeleteButtonCaption ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getDetailsCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public String getDetailsCaption ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getDueDateCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public String getDueDateCaption ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getDurationCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public String getDurationCaption ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getEditFormHeader Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public String getEditFormHeader ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getEditRecurrenceFormHeader Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public String getEditRecurrenceFormHeader ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getEndAfterCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public String getEndAfterCaption ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getEndCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public String getEndCaption ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getEndDateCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public String getEndDateCaption ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getEndTimeCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public String getEndTimeCaption ()`

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getEveryCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public String getEveryCaption ()`

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getEveryWeekdayValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public String getEveryWeekdayValue ()`

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getEveryWeekendValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public String getEveryWeekendValue ()`

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getFirstValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public String getFirstValue ()`

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getFourthValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public String getFourthValue ()`

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getHoursCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public String getHoursCaption ()`

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getHoursValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public String getHoursValue ()`

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getHourValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public String getHourValue ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getIntervalValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public String getIntervalValue ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getInvalidRecurrenceIntervalHeader Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public String getInvalidRecurrenceIntervalHeader ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getInvalidRecurrenceIntervalMessage Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public String getInvalidRecurrenceIntervalMessage ()`

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getLastValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public String getLastValue ()`

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getLocationCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public String getLocationCaption ()`

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getMinutesCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public String getMinutesCaption ()`

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getMinutesValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public String getMinutesValue ()`

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getMinuteValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public String getMinuteValue ()`

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getMonthlyValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public String getMonthlyValue ()`

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getMonthsValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public String getMonthsValue ()`

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getMonthValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public String getMonthValue ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getNewFormHeader Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public String getNewFormHeader ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getNewRecurrenceFormHeader Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public String getNewRecurrenceFormHeader ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getNoEndCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public String getNoEndCaption ()`

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getOccurrencesValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public String getOccurrencesValue ()`

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getOfEveryCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public String getOfEveryCaption ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getOkButtonCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public String getOkButtonCaption ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getOptionsButtonCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public String getOptionsButtonCaption ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getPatternCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public String getPatternCaption ()`

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getPercentCompleteCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public String getPercentCompleteCaption ()`

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getPriorityCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public String getPriorityCaption ()`

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getRangeCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public String getRangeCaption ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getRecurEveryValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public String getRecurEveryValue ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getRecurrenceButtonCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public String getRecurrenceButtonCaption ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getRecurrenceDailyFourPattern Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public String getRecurrenceDailyFourPattern ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getRecurrenceDailyOnePattern Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public String getRecurrenceDailyOnePattern ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getRecurrenceDailyThreePattern Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public String getRecurrenceDailyThreePattern ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getRecurrenceDailyTwoPattern Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public String getRecurrenceDailyTwoPattern ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getRecurrenceEndDatePattern Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public String getRecurrenceEndDatePattern ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getRecurrenceIntervalPattern Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public String getRecurrenceIntervalPattern ()`

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getRecurrenceMonthlyOnePattern Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public String getRecurrenceMonthlyOnePattern ()`

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getRecurrenceMonthlyTwoPattern Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public String getRecurrenceMonthlyTwoPattern ()`

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getRecurrenceStartDatePattern Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public String getRecurrenceStartDatePattern ()`

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getRecurrenceTimeOnePattern Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public String getRecurrenceTimeOnePattern ()`

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getRecurrenceTimeTwoPattern Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public String getRecurrenceTimeTwoPattern ()`

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getRecurrenceWeeklyOnePattern Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public String getRecurrenceWeeklyOnePattern ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getRecurrenceWeeklyTwoPattern Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public String getRecurrenceWeeklyTwoPattern ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getRecurrenceYearlyOnePattern Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public String getRecurrenceYearlyOnePattern ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getRecurrenceYearlyTwoPattern Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public String getRecurrenceYearlyTwoPattern ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getReminderCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public String getReminderCaption ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getRemoveButtonCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public String getRemoveButtonCaption ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getSaveButtonCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public String getSaveButtonCaption ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getSecondsCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public String getSecondsCaption ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getSecondsValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public String getSecondsValue ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getSecondValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public String getSecondValue ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getStartCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public String getStartCaption ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getStartDateCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public String getStartDateCaption ()`

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getStartTimeCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public String getStartTimeCaption ()`

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getStatusCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public String getStatusCaption ()`

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getSubjectCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public String getSubjectCaption ()`

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getTaskFormHeader Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public String getTaskFormHeader ()`

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getTaskPriorityHigh Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public String getTaskPriorityHigh ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getTaskPriorityLow Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public String getTaskPriorityLow ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getTaskPriorityNormal Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public String getTaskPriorityNormal ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getTaskStatusCompleted Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public String getTaskStatusCompleted ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getTaskStatusDeferred Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public String getTaskStatusDeferred ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getTaskStatusInProgress Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public String getTaskStatusInProgress ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getTaskStatusNotStarted Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public String getTaskStatusNotStarted ()`

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getTaskStatusWaiting Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public String getTaskStatusWaiting ()`

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getTheValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public String getTheValue ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getThirdValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public String getThirdValue ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getTimeCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public String getTimeCaption ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getTodayCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public String getTodayCaption ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getWeekdayValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public String getWeekdayValue ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getWeekendValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public String getWeekendValue ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getWeeklyValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public String getWeeklyValue ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getWeeksOnValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public String getWeeksOnValue ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getWeeksValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public String getWeeksValue ()
```

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getWeekValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public String getWeekValue ()`

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.getYearlyValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public String getYearlyValue ()`

Return Value

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.loadFromXml Method

Overload List

Name	Description

LocalizationInfo.loadFromXml (Document)	Loads localization info from an XML document.
LocalizationInfo.loadFromXml (InputStream)	Loads localization info from an XML document.
LocalizationInfo.loadFromXml (String)	Loads localization info from an XML document.

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.loadFromXml Method (Document)

Loads localization info from an XML document.

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void loadFromXml (
    Document document
)
```

Parameters

document
The **org.w3c.dom.Document** to load from.

Remarks

This method loads data from an XML document created by a previous call to saveToXml.

See Also

loadFromXml Method Overload List
LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.loadFromXml Method (InputStream)

Loads localization info from an XML document.

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void loadFromXml (
    InputStream stream
)
```

Parameters

stream
The **java.io.InputStream** to load from.

Remarks

This method loads data from an XML document created by a previous call to saveToXml.

See Also

loadFromXml Method Overload List
LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.loadFromXml Method (String)

Loads localization info from an XML document.

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void loadFromXml (
    String filePath
)
```

Parameters

filePath
The path of the file to load from.

Remarks

This method loads data from an XML file created by a previous call to saveToXml.

See Also

loadFromXml Method Overload List
LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.saveToXml Method

Overload List

Name	Description
LocalizationInfo.saveToXml (Document)	Saves the localization info to an XML document.
LocalizationInfo.saveToXml (OutputStream)	Saves the localization info to an XML document.
LocalizationInfo.saveToXml (String)	Saves the localization info to an XML document.

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.saveToXml Method (Document)

Saves the localization info to an XML document.

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void saveToXml (
    Document document
)
```

Parameters

document
An **org.w3c.dom.Document** to save to.

Remarks

Call loadFromXml to restore the localization info later.

See Also

saveToXml Method Overload List
LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.saveToXml Method (OutputStream)

Saves the localization info to an XML document.

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void saveToXml (
    OutputStream stream
)
```

Parameters

stream
A **java.io.OutputStream** to save to.

Remarks

Call loadFromXml to restore the localization info later.

See Also

saveToXml Method Overload List
LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.saveToXml Method (String)

Saves the localization info to an XML document.

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void saveToXml (
    String fileName
)
```

Parameters

fileName
The path of the file to save to.

Remarks

Call loadFromXml to restore the localization info later.

See Also

saveToXml Method Overload List
LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.selectSingleNode Method

Overload List

Name	Description
LocalizationInfo.selectSingleNode (String, Document)	
LocalizationInfo.selectSingleNode (String, Element)	

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.selectSingleNode Method (String, Document)

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public static Node selectSingleNode (
    String expression,
    Document doc
)
```

Parameters

expression

doc

Return Value

See Also

selectSingleNode Method Overload List
LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.selectSingleNode Method (String, Element)

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public static Node selectSingleNode (
    String expression,
    Element element
)
```

Parameters

expression

element

Return Value

See Also

selectSingleNode Method Overload List
LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setAllDayEventCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public void setAllDayEventCaption (
    String allDayEventCaption
)
```

Parameters

allDayEventCaption

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setCancelButtonCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public void setCancelButtonCaption (
    String cancelButtonCaption
)
```

Parameters

cancelButtonCaption

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setConfirmRecurrenceRemoveHeader Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public void setConfirmRecurrenceRemoveHeader (
    String confirmRecurrenceRemoveHeader
)
```

Parameters

confirmRecurrenceRemoveHeader

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setConfirmRecurrenceRemoveMessage Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public void setConfirmRecurrenceRemoveMessage (
    String confirmRecurrenceRemoveMessage
)
```

Parameters

confirmRecurrenceRemoveMessage

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setContactsCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public void setContactsCaption (
    String contactsCaption
)
```

Parameters

contactsCaption

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setCueFormHeader Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public void setCueFormHeader (
    String cueFormHeader
)
```

Parameters

cueFormHeader

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setDailyValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public void setDailyValue (
    String dailyValue
)
```

Parameters

dailyValue

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setDateCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setDateCaption (
    String dateCaption
)
```

Parameters

dateCaption

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setDatesCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setDatesCaption (
    String datesCaption
)
```

Parameters

datesCaption

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setDaysCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setDaysCaption (
    String daysCaption
)
```

Parameters

daysCaption

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setDaysValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setDaysValue (
    String daysValue
)
```

Parameters

daysValue

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setDayValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setDayValue (
    String dayValue
)
```

Parameters

dayValue

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setDeleteButtonCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setDeleteButtonCaption (
    String deleteButtonCaption
)
```

Parameters

deleteButtonCaption

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setDetailsCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setDetailsCaption (
    String detailsCaption
)
```

Parameters

detailsCaption

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setDueDateCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setDueDateCaption (
    String dueDateCaption
)
```

Parameters

dueDateCaption

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setDurationCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setDurationCaption (
    String durationCaption
)
```

Parameters

durationCaption

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setEditFormHeader Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public void setEditFormHeader (
    String editFormHeader
)
```

Parameters

editFormHeader

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setEditRecurrenceFormHeader Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public void setEditRecurrenceFormHeader (
    String editRecurrenceFormHeader
)
```

Parameters

editRecurrenceFormHeader

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setEndAfterCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public void setEndAfterCaption (
    String endAfterCaption
)
```

Parameters

endAfterCaption

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setEndCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setEndCaption (
    String endCaption
)
```

Parameters

endCaption

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setEndDateCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setEndDateCaption (
    String endDateCaption
)
```

Parameters

endDateCaption

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setEndTimeCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setEndTimeCaption (
    String endTimeCaption
)
```

Parameters

endTimeCaption

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setEveryCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setEveryCaption (
    String everyCaption
)
```

Parameters

everyCaption

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setEveryWeekdayValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setEveryWeekdayValue (
    String everyWeekdayValue
)
```

Parameters

everyWeekdayValue

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setEveryWeekendValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setEveryWeekendValue (
    String everyWeekendValue
)
```

Parameters

everyWeekendValue

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setFirstValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setFirstValue (
    String firstValue
)
```

Parameters

firstValue

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setFourthValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setFourthValue (
    String fourthValue
)
```

Parameters

fourthValue

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setHoursCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setHoursCaption (
    String hoursCaption
)
```

Parameters

hoursCaption

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setHoursValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public void setHoursValue (
    String hoursValue
)
```

Parameters

hoursValue

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setHourValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public void setHourValue (
    String hourValue
)
```

Parameters

hourValue

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setIntervalValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public void setIntervalValue (
    String intervalValue
)
```

Parameters

intervalValue

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setInvalidRecurrenceIntervalHeader Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setInvalidRecurrenceIntervalHeader (
    String invalidRecurrenceIntervalHeader
)
```

Parameters

invalidRecurrenceIntervalHeader

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setInvalidRecurrenceIntervalMessage Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setInvalidRecurrenceIntervalMessage (
    String invalidRecurrenceIntervalMessage
)
```

Parameters

invalidRecurrenceIntervalMessage

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setLastValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setLastValue (
    String lastValue
)
```

Parameters

lastValue

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setLocationCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setLocationCaption (
    String locationCaption
)
```

Parameters

locationCaption

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setMinutesCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setMinutesCaption (
    String minutesCaption
)
```

Parameters

minutesCaption

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setMinutesValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setMinutesValue (
    String minutesValue
)
```

Parameters

minutesValue

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setMinuteValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setMinuteValue (
    String minuteValue
)
```

Parameters

minuteValue

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setMonthlyValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setMonthlyValue (
    String monthlyValue
)
```

Parameters

monthlyValue

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setMonthsValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setMonthsValue (
    String monthsValue
)
```

Parameters

monthsValue

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setMonthValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public void setMonthValue (
    String monthValue
)
```

Parameters

monthValue

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setNewFormHeader Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public void setNewFormHeader (
    String newFormHeader
)
```

Parameters

newFormHeader

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setNewRecurrenceFormHeader Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public void setNewRecurrenceFormHeader (
    String newRecurrenceFormHeader
)
```

Parameters

newRecurrenceFormHeader

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setNoEndCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setNoEndCaption (
    String noEndCaption
)
```

Parameters

noEndCaption

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setOccurrencesValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setOccurrencesValue (
    String occurrencesValue
)
```

Parameters

occurrencesValue

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setOfEveryCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setOfEveryCaption (
    String ofEveryCaption
)
```

Parameters

ofEveryCaption

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setOkButtonCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setOkButtonCaption (
    String okButtonCaption
)
```

Parameters

okButtonCaption

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setOptionsButtonCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setOptionsButtonCaption (
    String optionsButtonCaption
)
```

Parameters

optionsButtonCaption

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setPatternCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setPatternCaption (
    String patternCaption
)
```

Parameters

patternCaption

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setPercentCompleteCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setPercentCompleteCaption (
    String percentCompleteCaption
)
```

Parameters

percentCompleteCaption

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setPriorityCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setPriorityCaption (
    String priorityCaption
)
```

Parameters

priorityCaption

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setRangeCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setRangeCaption (
    String rangeCaption
)
```

Parameters

rangeCaption

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setRecurEveryValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public void setRecurEveryValue (
    String recurEveryValue
)
```

Parameters

recurEveryValue

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setRecurrenceButtonCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public void setRecurrenceButtonCaption (
    String recurrenceButtonCaption
)
```

Parameters

recurrenceButtonCaption

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setRecurrenceDailyFourPattern Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public void setRecurrenceDailyFourPattern (
    String recurrenceDailyFourPattern
)
```

Parameters

recurrenceDailyFourPattern

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setRecurrenceDailyOnePattern Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setRecurrenceDailyOnePattern (
    String recurrenceDailyOnePattern
)
```

Parameters

recurrenceDailyOnePattern

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setRecurrenceDailyThreePattern Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setRecurrenceDailyThreePattern (
    String recurrenceDailyThreePattern
)
```

Parameters

recurrenceDailyThreePattern

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setRecurrenceDailyTwoPattern Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setRecurrenceDailyTwoPattern (
    String recurrenceDailyTwoPattern
)
```

Parameters

recurrenceDailyTwoPattern

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setRecurrenceEndDatePattern Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setRecurrenceEndDatePattern (
    String recurrenceEndDatePattern
)
```

Parameters

recurrenceEndDatePattern

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setRecurrenceIntervalPattern Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setRecurrenceIntervalPattern (
    String recurrenceIntervalPattern
)
```

Parameters

recurrenceIntervalPattern

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setRecurrenceMonthlyOnePattern Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setRecurrenceMonthlyOnePattern (
    String recurrenceMonthlyOnePattern
)
```

Parameters

recurrenceMonthlyOnePattern

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setRecurrenceMonthlyTwoPattern Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setRecurrenceMonthlyTwoPattern (
    String recurrenceMonthlyTwoPattern
)
```

Parameters

recurrenceMonthlyTwoPattern

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setRecurrenceStartDatePattern Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public void setRecurrenceStartDatePattern (
    String recurrenceStartDatePattern
)
```

Parameters

recurrenceStartDatePattern

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setRecurrenceTimeOnePattern Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public void setRecurrenceTimeOnePattern (
    String recurrenceTimeOnePattern
)
```

Parameters

recurrenceTimeOnePattern

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setRecurrenceTimeTwoPattern Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public void setRecurrenceTimeTwoPattern (
    String recurrenceTimeTwoPattern
)
```

Parameters

recurrenceTimeTwoPattern

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setRecurrenceWeeklyOnePattern Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public void setRecurrenceWeeklyOnePattern (
    String recurrenceWeeklyOnePattern
)
```

Parameters

recurrenceWeeklyOnePattern

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setRecurrenceWeeklyTwoPattern Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public void setRecurrenceWeeklyTwoPattern (
    String recurrenceWeeklyTwoPattern
)
```

Parameters

recurrenceWeeklyTwoPattern

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setRecurrenceYearlyOnePattern Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setRecurrenceYearlyOnePattern (
    String recurrenceYearlyOnePattern
)
```

Parameters

recurrenceYearlyOnePattern

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setRecurrenceYearlyTwoPattern Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setRecurrenceYearlyTwoPattern (
    String recurrenceYearlyTwoPattern
)
```

Parameters

recurrenceYearlyTwoPattern

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setReminderCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setReminderCaption (
    String reminderCaption
)
```

Parameters

reminderCaption

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setRemoveButtonCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setRemoveButtonCaption (
    String removeButtonCaption
)
```

Parameters

removeButtonCaption

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setSaveButtonCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setSaveButtonCaption (
    String saveButtonCaption
)
```

Parameters

saveButtonCaption

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setSecondsCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setSecondsCaption (
    String secondsCaption
)
```

Parameters

secondsCaption

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setSecondsValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setSecondsValue (
    String secondsValue
)
```

Parameters

secondsValue

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setSecondValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java

public void setSecondValue (
    String secondValue
)
```

Parameters

secondValue

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setStartCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java

public void setStartCaption (
    String startCaption
)
```

Parameters

startCaption

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setStartDateCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public void setStartDateCaption (
    String startDateCaption
)
```

Parameters

startDateCaption

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setStartTimeCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public void setStartTimeCaption (
    String startTimeCaption
)
```

Parameters

startTimeCaption

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setStatusCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public void setStatusCaption (
    String statusCaption
)
```

Parameters

statusCaption

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setSubjectCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setSubjectCaption (
    String subjectCaption
)
```

Parameters

subjectCaption

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setTaskFormHeader Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setTaskFormHeader (
    String taskFormHeader
)
```

Parameters

taskFormHeader

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setTaskPriorityHigh Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setTaskPriorityHigh (
    String taskPriorityHigh
)
```

Parameters

taskPriorityHigh

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setTaskPriorityLow Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setTaskPriorityLow (
    String taskPriorityLow
)
```

Parameters

taskPriorityLow

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setTaskPriorityNormal Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setTaskPriorityNormal (
    String taskPriorityNormal
)
```

Parameters

taskPriorityNormal

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setTaskStatusCompleted Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setTaskStatusCompleted (
    String taskStatusCompleted
)
```

Parameters

taskStatusCompleted

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setTaskStatusDeferred Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setTaskStatusDeferred (
    String taskStatusDeferred
)
```

Parameters

taskStatusDeferred

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setTaskStatusInProgress Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setTaskStatusInProgress (
    String taskStatusInProgress
)
```

Parameters

taskStatusInProgress

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setTaskStatusNotStarted Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setTaskStatusNotStarted (
    String taskStatusNotStarted
)
```

Parameters

taskStatusNotStarted

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setTaskStatusWaiting Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setTaskStatusWaiting (
    String taskStatusWaiting
)
```

Parameters

taskStatusWaiting

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setTheValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setTheValue (
    String theValue
)
```

Parameters

theValue

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setThirdValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setThirdValue (
    String thirdValue
)
```

Parameters

thirdValue

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setTimeCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setTimeCaption (
    String timeCaption
)
```

Parameters

timeCaption

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setTodayCaption Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setTodayCaption (
    String todayCaption
)
```

Parameters

todayCaption

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setWeekdayValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setWeekdayValue (
    String weekdayValue
)
```

Parameters

weekdayValue

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setWeekendValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setWeekendValue (
    String weekendValue
)
```

Parameters

weekendValue

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setWeeklyValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setWeeklyValue (
    String weeklyValue
)
```

Parameters

weeklyValue

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setWeeksOnValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setWeeksOnValue (
    String weeksOnValue
)
```

Parameters

weeksOnValue

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setWeeksValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setWeeksValue (
    String weeksValue
)
```

Parameters

weeksValue

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setWeekValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setWeekValue (
    String weekValue
)
```

Parameters

weekValue

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

LocalizationInfo.setYearlyValue Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setYearlyValue (
    String yearlyValue
)
```

Parameters

yearlyValue

See Also

LocalizationInfo Members
LocalizationInfo Class
com.mindfusion.scheduling.standardforms Namespace

RecurrenceForm Class

Ready-made form for recurrence editing.

Syntax

Java
`public class RecurrenceForm extends JDialog`

Inheritance Hierarchy

java.lang.Object
  java.awt.Component
    java.awt.Container
      java.awt.Window
        java.awt.Dialog
          javax.swing.JDialog
            com.mindfusion.scheduling.standardforms.RecurrenceForm

See Also

RecurrenceForm Members
com.mindfusion.scheduling.standardforms Namespace

RecurrenceForm Members

Ready-made form for recurrence editing.

The following tables list the members exposed by the RecurrenceForm type.

Public Constructors

	Name	Description
	RecurrenceForm	Overloaded.

Public Methods

	Name	Description
	enableRemoveButton	Enables or disables the 'Remove' button.
	getDialogResult	
	getEndTime	
	getRecurrence	
	getStartTime	
	getTimeFormat	
	setDate	Sets a date to be used to initialize the form if no recurrence is set initially.
	setDates	Sets the dates to be used to initialize the form if no recurrence is initially set.
	setRecurrence	Sets the recurrence pattern to be edited in the form.
	setTimeFormat	

See Also

RecurrenceForm Class
com.mindfusion.scheduling.standardforms Namespace

RecurrenceForm Constructor

Overload List

Name	Description
RecurrenceForm ()	Initializes a new instance of the RecurrenceForm class.
RecurrenceForm (DateTimeInfo, LocalizationInfo)	Initializes a new instance of the RecurrenceForm class.
RecurrenceForm (DateTimeInfo, LocalizationInfo, Window, Dialog.ModalityType)	Initializes a new instance of the RecurrenceForm class.

See Also

RecurrenceForm Class
com.mindfusion.scheduling.standardforms Namespace

RecurrenceForm Constructor ()

Initializes a new instance of the RecurrenceForm class.

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public RecurrenceForm ()`

See Also

RecurrenceForm Constructor Overload List
RecurrenceForm Class
com.mindfusion.scheduling.standardforms Namespace

RecurrenceForm Constructor (DateTimeInfo, LocalizationInfo)

Initializes a new instance of the RecurrenceForm class.

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public RecurrenceForm (
    DateTimeInfo formatInfo,
    LocalizationInfo localizationInfo
)
```

Parameters

formatInfo
A DateTimeInfo object that specifies how to format and display dates and times within the form.

localizationInfo
A LocalizationInfo object that provides localized strings for labels and messages.

See Also

RecurrenceForm Constructor Overload List
RecurrenceForm Class
com.mindfusion.scheduling.standardforms Namespace

RecurrenceForm Constructor (DateTimeInfo, LocalizationInfo, Window, Dialog.ModalityType)

Initializes a new instance of the RecurrenceForm class.

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public RecurrenceForm (
    DateTimeInfo formatInfo,
    LocalizationInfo localizationInfo,
    Window owner,
    Dialog.ModalityType modalityType
)
```

Parameters

formatInfo
A DateTimeInfo object that specifies how to format and display dates and times within the form.

localizationInfo
A LocalizationInfo object that provides localized strings for labels and messages.

owner

modalityType
A Dialog.ModalityType value specifying the form's modality.

See Also

RecurrenceForm Constructor Overload List
RecurrenceForm Class
com.mindfusion.scheduling.standardforms Namespace

RecurrenceForm Methods

RecurrenceForm.enableRemoveButton Method

Enables or disables the 'Remove' button.

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void enableRemoveButton (
    boolean enable
)
```

Parameters

enable
true to enable the 'Remove' button, false to disable it.

See Also

RecurrenceForm Members
RecurrenceForm Class
com.mindfusion.scheduling.standardforms Namespace

RecurrenceForm.getDialogResult Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public DialogResult getDialogResult ()
```

Return Value

See Also

RecurrenceForm Members
RecurrenceForm Class
com.mindfusion.scheduling.standardforms Namespace

RecurrenceForm.getEndTime Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public DateTime getEndTime ()
```

Return Value

See Also

RecurrenceForm Members
RecurrenceForm Class
com.mindfusion.scheduling.standardforms Namespace

RecurrenceForm.getRecurrence Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public Recurrence getRecurrence ()
```

Return Value

See Also

RecurrenceForm Members
RecurrenceForm Class
com.mindfusion.scheduling.standardforms Namespace

RecurrenceForm.getStartTime Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public DateTime getStartTime ()
```

Return Value

See Also

RecurrenceForm Members
RecurrenceForm Class
com.mindfusion.scheduling.standardforms Namespace

RecurrenceForm.getTimeFormat Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public String getTimeFormat ()
```

Return Value

See Also

RecurrenceForm Members
RecurrenceForm Class
com.mindfusion.scheduling.standardforms Namespace

RecurrenceForm.setDate Method

Sets a date to be used to initialize the form if no recurrence is set initially.

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setDate (
    DateTime date
)
```

Parameters

date
A DateTime object specifying the start and end time of the recurrence displayed in the form.

See Also

RecurrenceForm Members
RecurrenceForm Class
com.mindfusion.scheduling.standardforms Namespace

RecurrenceForm.setDates Method

Sets the dates to be used to initialize the form if no recurrence is initially set.

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setDates (
    DateTime start,
```

```
    DateTime end
)
```

Parameters

start
A DateTime instance specifying the start time of the recurrence.

end
A DateTime instance specifying the end time of the recurrence.

See Also

RecurrenceForm Members
RecurrenceForm Class
com.mindfusion.scheduling.standardforms Namespace

RecurrenceForm.setRecurrence Method

Sets the recurrence pattern to be edited in the form.

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setRecurrence (
    Recurrence recurrence,
    DateTime startTime,
    DateTime endTime
)
```

Parameters

recurrence
A reference to the Recurrence object to be selected in the form for editing.

startTime
A DateTime instance specifying the initial start time f the recurrence.

endTime
A DateTime instance specifying the initial end time of the recurrence.

See Also

RecurrenceForm Members
RecurrenceForm Class
com.mindfusion.scheduling.standardforms Namespace

RecurrenceForm.setTimeFormat Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setTimeFormat (
    String _timeFormat
)
```

Parameters

_timeFormat

See Also

RecurrenceForm Members
RecurrenceForm Class
com.mindfusion.scheduling.standardforms Namespace

TaskForm Class

Ready-made form for task editing.

Syntax

Java

```
public class TaskForm extends JDialog
```

Inheritance Hierarchy

java.lang.Object
  java.awt.Component
    java.awt.Container
      java.awt.Window
        java.awt.Dialog
          javax.swing.JDialog
            com.mindfusion.scheduling.standardforms.TaskForm

See Also

TaskForm Members
com.mindfusion.scheduling.standardforms Namespace

TaskForm Members

Ready-made form for task editing.

The following tables list the members exposed by the TaskForm type.

Public Constructors

	Name	Description
	TaskForm	Overloaded.

Public Methods

	Name	Description
	getDialogResult	
	getTask	
	getTimeFormat	
	setDates	Sets the dates to be used to initialize the form if no task is initially set.
	setTask	Sets the task that is to be edited in the form.
	setTimeFormat	

See Also

TaskForm Class
com.mindfusion.scheduling.standardforms Namespace

TaskForm Constructor

Overload List

Name	Description
TaskForm ()	Initializes a new instance of the TaskForm class.
TaskForm (DateTimeInfo, LocalizationInfo)	Initializes a new instance of the TaskForm class.
TaskForm (DateTimeInfo, LocalizationInfo, Window, Dialog.ModalityType)	Initializes a new instance of the TaskForm class.

See Also

TaskForm Class
com.mindfusion.scheduling.standardforms Namespace

TaskForm Constructor ()

Initializes a new instance of the TaskForm class.

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public TaskForm ()`

See Also

TaskForm Constructor Overload List
TaskForm Class
com.mindfusion.scheduling.standardforms Namespace

TaskForm Constructor (DateTimeInfo, LocalizationInfo)

Initializes a new instance of the TaskForm class.

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public TaskForm (
    DateTimeInfo formatInfo,
    LocalizationInfo localizationInfo
)
```

Parameters

formatInfo
A DateTimeInfo object that specifies how to format and display dates and times within the form.

localizationInfo
A LocalizationInfo object that provides localized strings for labels and messages.

See Also

TaskForm Constructor Overload List
TaskForm Class
com.mindfusion.scheduling.standardforms Namespace

TaskForm Constructor (DateTimeInfo, LocalizationInfo, Window, Dialog.ModalityType)

Initializes a new instance of the TaskForm class.

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public TaskForm (
    DateTimeInfo formatInfo,
    LocalizationInfo localizationInfo,
    Window owner,
    Dialog.ModalityType modalityType
)
```

Parameters

formatInfo
A DateTimeInfo object that specifies how to format and display dates and times within the form.

localizationInfo

A LocalizationInfo object that provides localized strings for labels and messages.

owner

modalityType
A Dialog.ModalityType value specifying the form's modality.

See Also

TaskForm Constructor Overload List
TaskForm Class
com.mindfusion.scheduling.standardforms Namespace

TaskForm Methods

TaskForm.getDialogResult Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public DialogResult getDialogResult ()`

Return Value

See Also

TaskForm Members
TaskForm Class
com.mindfusion.scheduling.standardforms Namespace

TaskForm.getTask Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java
`public Task getTask ()`

Return Value

See Also

TaskForm Members
TaskForm Class
com.mindfusion.scheduling.standardforms Namespace

TaskForm.getTimeFormat Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public String getTimeFormat ()
```

Return Value

See Also

TaskForm Members
TaskForm Class
com.mindfusion.scheduling.standardforms Namespace

TaskForm.setDates Method

Sets the dates to be used to initialize the form if no task is initially set.

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

Java

```
public void setDates (
    DateTime start,
    DateTime due
)
```

Parameters

start
A DateTime instance specifying the start date initially displayed in the form.

due
A DateTime instance specifying the due date initially displayed in the form.

See Also

TaskForm Members
TaskForm Class
com.mindfusion.scheduling.standardforms Namespace

TaskForm.setTask Method

Sets the task that is to be edited in the form.

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public void setTask (
    Task task
)
```

Parameters

task
A reference to the Task object to be selected in the form for editing.

See Also

TaskForm Members
TaskForm Class
com.mindfusion.scheduling.standardforms Namespace

TaskForm.setTimeFormat Method

Namespace: com.mindfusion.scheduling.standardforms
Package: com.mindfusion.scheduling.standardforms

Syntax

```
Java
public void setTimeFormat (
    String _timeFormat
)
```

Parameters

_timeFormat

See Also

TaskForm Members
TaskForm Class
com.mindfusion.scheduling.standardforms Namespace

Online Resources

Video Tutorials

- Java Scheduler: timetable with events and custom drawing
- Build a DateTime picker in Java

Blog Posts

- A Monthly Calendar in Java With Events and Recurring Appointments
- Binding the Java Planner to Microsoft SQL Server Using JDBC
- Binding the Java Planner to Microsoft SQL Server Using JDBC

Technical Support

Detailed information about everything connected with software products offered by MindFusion - online documentation, demos, information about forthcoming products can be found at https://mindfusion.dev. The site is updated every day, so make sure you visit it regularly to catch up with the newest from us.

Apart from that, MindFusion employs a dedicated and technically proficient support team. This guarantees that all your questions and inquiries will be answered in quick and professional manner. They can be reached by e-mail at support@mindfusion.eu or by phone at +359 889 199 729.

You can post a question on the JPlanner discussion board here:

https://mindfusion.dev/Forum/YaBB.pl?board=jplanner_disc

or visit our help desk site:

https://mindfusion.dev/HelpDesk/index.php

We will be happy to hear any suggestions and recommendations you might have regarding JPlanner. We take in account the opinion of every single person who has shown interest in our products.

MindFusion Products

MindFusion offers various programming components for different platforms. Below is a list of our products with links to their sections on our website as well link to download a trial version. Clients that have already purchased a product use an increasing discount for each subsequent one.

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