See Also

[GraffitiWebCalendarEvent](#)

[GraffitiWebCalendarRestriction](#)

Enumerations

Name	Values
Views	Month
	Agenda
	AgendaWeek
	AgendaDay
	Basic
	BasicWeek
	BasicDay
	List
	ListYear
	ListMonth
	ListWeek
	ListDay

Constants

Name	Type	Value
ViewDayAgenda	Integer	3
ViewDayBasic	Integer	4
ViewMonth	Integer	0
ViewWeekAgenda	Integer	1
ViewWeekBasic	Integer	2

Events

Definition	Description
DateDoubleClick(theDate as Date)	Raised when the user double clicks a date/time.
DateSelected(DateStart as Date, DateEnd as Date = nil, StartTime as Boolean = False, EndTime as Boolean = False)	Raised when the user clicks on a day/time on the calendar.
EventChanged(theEvent as GraffitiWebCalendarEvent)	Fires when the user changes an event (such as by dragging).
EventDoubleClick(theEvent as GraffitiWebCalendarEvent, atDate as Date)	Raised when the user double-clicks an event.
EventMouseEnter(theEvent as GraffitiWebCalendarEvent, X as Integer, Y as Integer)	Raised when the user moves their mouse in to an event.
EventMouseLeave(theEvent as GraffitiWebCalendarEvent)	Raised when the use moves their mouse out of an event.

Definition	Description
EventSelected(theEvent as GraffitiWebCalendarEvent, atDate as Date)	Raised when the user clicks an event.
LanguagesLoaded(CalLanguages() as String)	This event is raised once the calendar has completely loaded the list of available languages, and facilitates dynamic locale selection.
ViewChanged(NewView as Integer, StartDate as Date, EndDate as Date)	Fired when the user changes the view (IE: from Month to Week to Day).

Methods

Definition	Description
AddEvent(newEvent as GraffitiWebCalendarEvent)	Add a new event to the calendar.
AddExternalSource(URL as String, BGColor as Color = &c3a87ad, BorderColor as Color = &c3a87ad, TextColor as Color = &cFFFFFF)	Add an external source to the calendar, such as a Google Calendar feed.
AddRestriction(theRestriction as GraffitiWebCalendarRestriction)	Adds a view restriction.
AddViewButton(View as Views)	Adds a new view button to the right-hand side of the header.
DayTitle(Day as Date) as String	Returns the title set for the specified date.
DayTitle(Day as Date, Title as String, Style as WebStyle = Nil)	Sets the day title with optional style for a date.
DeselectAll()	Deselect all selected dates and events.
EventsAtDate(theDate as Date) As GraffitiWebCalendarEvent()	Returns an array of GraffitiWebCalendarEvents that fall on the specified date, including recurring events.
FindEvent(theID as Integer) As GraffitiWebCalendarEvent	Used to find an event by ID, and return the event object.
FindEventIndex(theID as Integer) as Integer	Used to find an event by ID, and return an integer index.
ICSExport(Domain as String) as String	Exports all current events to ICS format.
ICSImport(theICS as String)	Imports ICS-formatted event data to GraffitiWebCalendar events.
MoveNext()	Move to the next Month/Week/Day
MoveNextYear()	Move to the next year.
MovePrev()	Move to the previous Month/Week/Day
MovePrevYear()	Move to the previous year.
MoveToDate(theDate as Date)	Bring theDate in to view.
MoveToToday()	Move the view to show the current date.
RefetchEvents()	Causes the calendar to refetch all events. Useful if changes are made to an external source.
RemoveAllEvents()	Removes all events from the calendar.
RemoveAllRestrictions()	Removes all restrictions from the calendar view.
RemoveAllViewButtons()	Removes all view buttons.
RemoveEvent(theEvent as GraffitiWebCalendarEvent)	Remove the supplied event object from the calendar.
RemoveExternalSource(URL as String)	Remove the external source signified by URL.

Definition	Description
RemoveRestriction(theID as String)	Removes a restriction from the calendar view.
RemoveViewButton(index as Integer)	Removes the specified view button.
RerenderEvents()	Forces the calendar to rerender all events. Useful if you notice any weirdness.
SelectDates(StartDate as Date, EndDate as Date)	Selects a range of dates in the view.
UpdateEvent(theEvent as GraffitiWebCalendarEvent)	Updates theEvent. The GraffitiWebCalendarEvent object passed should be the same one that has been modified.
ViewButton(index as Integer) as Views	Returns the view button at the specified index.
ViewButtonCount() as Integer	Returns the number of View buttons.

Properties

Name	Type	Default Value	Description
CalendarView	Integer	0	The current view state.
CustomTheme	Boolean	False	Determines whether the calendar is to use a custom theme. This can either be in the form of the WebStyle properties, or a jQuery UI theme CSS file added to the page with a WebPageSource.
DisplayEventTime	Boolean	True	Controls the visibility of time in the event display.
Editable	Boolean	True	Determines if events are editable in the display by, for example, dragging.
Events()	GraffitiWebCalendarEventItem	Nil	The array of events that the calendar currently contains.
Language	String	"en"	The short language string which determines the locale of the calendar. Currently contains: "en", "ar-ma", "ar-sa", "ar", "bg", "ca", "cs", "da", "de-at", "de", "el", "en-au", "en-gb", "es", "fa", "fi", "fr-ca", "fr", "hi", "hr", "hu", "id", "is", "it", "ja", "ko", "lt", "lv", "nl", "pl", "pt-br", "pt", "ro", "ru", "sk", "sl", "sr-cyrl", "sr", "sv", "th", "tr", "uk", "vi", "zh-cn", "zh-tw"
RestrictView	Boolean	False	Restricts the view to the restrictions provided via AddRestriction.
ShowDayButton	Boolean	True	Determines if the "Day" view selector is visible.
ShowMonthButton	Boolean	True	Determines if the "Month" view selector is visible.
ShowNavButtons	Boolean	True	Determines if the Prev/Next navigation buttons are visible.

Name	Type	Default Value	Description
ShowNavButtonsAtToday	Boolean	True	When True, shows the navigation buttons on either side of the Today button.
ShowTitle	Boolean	True	Whether the calendar shows the title (IE: October 2014).
ShowTodayButton	Boolean	True	Determines if the Today button is displayed.
ShowWeekButton	Boolean	True	Determines if the Week button is displayed.
ShowYearButtons	Boolean	True	Determines if the Year navigation buttons are displayed.
StyleDayFuture	WebStyle	Nil	WebStyle for a day following Today.
StyleDayPast	WebStyle	Nil	WebStyle for a day the precedes today.
StyleToday	WebStyle	Nil	WebStyle for the current day.
StyleFridayHeader	WebStyle	Nil	WebStyle for the Friday header.
StyleMondayHeader	WebStyle	Nil	WebStyle for the MondayHeader.
StyleSaturdayHeader	WebStyle	Nil	WebStyle for the SaturdayHeader.
StyleSundayHeader	WebStyle	Nil	WebStyle for the SundayHeader.
StyleThursdayHeader	WebStyle	Nil	WebStyle for the ThursdayHeader.
StyleToolbar	WebStyle	Nil	WebStyle for the toolbar area.
StyleToolbarButtons	WebStyle	Nil	WebStyle for the toolbar buttons.
StyleTuesdayHeader	WebStyle	Nil	WebStyle for the TuesdayHeader.
StyleWednesdayHeader	WebStyle	Nil	WebStyle for the WednesdayHeader.
TimeMinimum	Date	Nil	Restricts new event creation to time between TimeMinimum and TimeMaximum. Both must be set for effect.
TimeMaximum	Date	Nil	Restricts new event creation to time between TimeMinimum and TimeMaximum. Both must be set for effect.
ViewDate	Date	Nil	The starting day of the view, if set internally. Otherwise, any date may be provided to update the view.

Examples

Custom Styling

To apply custom styles to your GraffitiCalendar instance, there are a number of `Style*` properties provided. When using custom WebStyles, you should not set the `CustomTheme` property to True, as this will result in missing elements such as the icons for toolbar buttons.

Custom jQuery UI Themes

Custom jQuery UI themes should be hosted by a traditional Apache/NGINX/IIS server, preferably on the same domain to avoid cross-site origin issues. Once you have uploaded your custom theme to a directory on your server, such as yourdomain.com/customjquitheme you would then do the following in the GraffitiWebCalendar instance's Shown event:

```
me.LoadTheme( "//yourdomain.com/customjquitheme/jquery-ui.theme.min.css" )
me.CustomTheme = True
```

Using the Style properties is the recommended method for customizing the appearance of GraffitiWebCalendar. When crafted improperly, custom jQuery UI themes can have a dramatic impact on the appearance of your entire Xojo Web Application, and this feature may be deprecated with a future release.

Notes

To create a Google Calendar API key for use with GraffitiWebCalendar, please follow the instructions on this page.

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https://graffitisuite.com/wiki/ - **GraffitiSuite Documentation**

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