
Calendar Store Reference Update

[Apple Applications](#) > iCal



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Introduction to Calendar Store Reference Update

This document summarizes the symbols that have been added to the Calendar Store framework. The full reference documentation notes in what version a symbol was introduced, but sometimes it's useful to see only the new symbols for a given release.

If you are not familiar with this framework you should refer to the complete framework reference documentation.

Organization of This Document

Symbols are grouped by class or protocol for Objective-C and by header file for C. For each symbol there is a link to complete documentation, if available, and a brief description, if available.

See Also

For reference documentation on this framework, see *Calendar Store Framework Reference*.

10.5 Symbol Changes

This article lists the symbols added to `CalendarStore.framework` in Mac OS X v10.5.

Classes

All of the classes with new symbols are listed alphabetically, with their new class, instance, and delegate methods described.

CalAlarm (New)

Complete reference information is available in the [CalAlarm](#) reference.

Class Methods

<code>alarm</code>	Creates and returns a new alarm object.
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Instance Methods

<code>absoluteTrigger</code>	The date and time to trigger the alarm.
<code>action</code>	The action to take when triggering the alarm.
<code>emailAddress</code>	An email address that is the recipient of an email alarmâ an alarm that triggers an email message.
<code>relativeTrigger</code>	The relative date and time to trigger the alarm.
<code>sound</code>	The sound to play when the alarm triggers.
<code>triggerDateRelativeTo:</code>	Returns a delta value between the specified date and the date that the alarm is scheduled to trigger.
<code>url</code>	The URL to open when the alarm triggers.

CalAttendee (New)

Complete reference information is available in the [CalAttendee](#) reference.

Instance Methods

<code>address</code>	An NSURL object that can be used to contact the attendee.
<code>commonName</code>	The user-entered name of the attendee.
<code>status</code>	The attendee's confirmation status.

CalCalendar (New)

Complete reference information is available in the [CalCalendar](#) reference.

Class Methods

<code>calendar</code>	Creates and returns a new CalCalendar object.
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Instance Methods

<code>color</code>	The calendar's color.
<code>isEditable</code>	A Boolean value indicating whether the calendar is editable or not.
<code>notes</code>	Textual notes about the calendar.
<code>title</code>	The calendar's title.
<code>type</code>	The type of calendar.
<code>uid</code>	A unique identifier for the receiver.

CalCalendarItem (New)

Complete reference information is available in the [CalCalendarItem](#) reference.

Instance Methods

<code>addAlarm:</code>	Adds an alarm to the receiver.
<code>addAlarms:</code>	Adds the alarms contained in an array to the receiver.
<code>alarms</code>	An array containing the calendar item's alarm objects—an array of CalAlarm objects.
<code>calendar</code>	The associated calendar object for the calendar item.

<code>dateStamp</code>	The date the calendar item was last modified (not the same as the date it was last synced). This property is read-only.
<code>hasAlarm</code>	Returns whether or not the receiver has an alarm.
<code>nextAlarmDate</code>	Returns the date of the next alarm.
<code>notes</code>	The notes about the calendar item.
<code>removeAlarm:</code>	Removes the specified alarm from the receiver.
<code>removeAlarms:</code>	Removes the alarms contained in an array from the receiver.
<code>title</code>	The title of the calendar item.
<code>uid</code>	The calendar item's unique identifier. This property is read-only.
<code>url</code>	The URL for the calendar item.

CalCalendarStore (New)

Complete reference information is available in the [CalCalendarStore](#) reference.

Class Methods

<code>defaultCalendarStore</code>	Returns the shared <code>CalCalendarStore</code> object.
<code>eventPredicateWithStartDate:endDate:calendars:</code>	Returns an <code>NSPredicate</code> object that specifies events within a date range that belong to the specified calendars.
<code>eventPredicateWithStartDate:endDate:UID:calendars:</code>	Returns an <code>NSPredicate</code> object that specifies events with a UID and within a date range that belong to the specified calendars.
<code>taskPredicateWithCalendars:</code>	Returns an <code>NSPredicate</code> object that specifies tasks that belong to the specified calendars.
<code>taskPredicateWithTasksCompletedSince:calendars:</code>	Returns an <code>NSPredicate</code> object that specifies completed tasks since the specified date and that belong to the specified calendars.
<code>taskPredicateWithUncompletedTasks:</code>	Returns an <code>NSPredicate</code> object that specifies tasks that are incomplete and belong to the specified calendars.

<code>taskPredicateWithUncompletedTasksDueBefore:calendars:</code>	Returns an <code>NSPredicate</code> object that specifies incomplete tasks due before the specified date and that belong to the specified calendars.
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Instance Methods

<code>calendars</code>	Returns an array of <code>CalCalendar</code> objects representing the user's calendars in the order they appear in iCal.
<code>calendarWithUID:</code>	Returns a <code>CalCalendar</code> object that corresponds to the given UID.
<code>eventsWithPredicate:</code>	Returns an array of <code>CalEvent</code> objects that match the specified predicate.
<code>eventWithUID:occurrence:</code>	Returns an event that matches the specified unique identifier.
<code>removeCalendar:error:</code>	Removes the specified calendar from the iCal database.
<code>removeEvent:span:error:</code>	Removes the specified event from the calendar store.
<code>removeTask:error:</code>	Removes the specified task from the calendar store.
<code>saveCalendar:error:</code>	Saves local changes to the specified calendar object to the iCal database.
<code>saveEvent:span:error:</code>	Saves the specified event to the calendar store.
<code>saveTask:error:</code>	Saves the specified task to the calendar store.
<code>tasksWithPredicate:</code>	Returns an array of <code>CalTask</code> objects that match the specified predicate.
<code>taskWithUID:</code>	Returns a task that matches the specified unique identifier.

CalEvent (New)

Complete reference information is available in the `CalEvent` reference.

Class Methods

<code>event</code>	Creates and returns a newly allocated <code>CalEvent</code> object.
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Instance Methods

<code>attendees</code>	An array of invited guests or an empty array if there are no attendees. This property is read-only. (read-only)
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endDate	The end date and time for this event.
isAllDay	YES if this is an all day event; otherwise, NO.
isDetached	Returns whether or not an event is detached. This property is read-only. (read-only)
location	A description of the location of this event.
occurrence	The occurrence date of an event. This property is read-only. (read-only)
recurrenceRule	The recurrence rule of an event.
startDate	The start date and time for this event.

CalNthWeekDay (New)

Complete reference information is available in the [CalNthWeekDay](#) reference.

Instance Methods

dayOfTheWeek	The day of the week, a number from 1 to 7 with Sunday equal to 1.
weekNumber	The week of the month, a number that is either 1, 2, 3, 4, or -1 where -1 indicates the last week of the month.

CalRecurrenceEnd (New)

Complete reference information is available in the [CalRecurrenceEnd](#) reference.

Class Methods

recurrenceEndWithEndDate:	Creates and returns a newly allocated <code>CalRecurrenceEnd</code> object with the specified end date.
recurrenceEndWithOccurrenceCount:	Creates and returns a newly allocated <code>CalRecurrenceEnd</code> object with the specified recurrence count.

Instance Methods

endDate	The end date if the recurrence uses an end date value; nil if it uses an occurrence count.
occurrenceCount	The occurrence count—number of times an event repeats—if the recurrence uses a number value; 0 if it uses an end date.

usesEndDate	YES if the recurrence uses an end date; NO if it uses a occurrence count.
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CalRecurrenceRule (New)

Complete reference information is available in the `CalRecurrenceRule` reference.

Instance Methods

<code>daysOfTheMonth</code>	If the <code>recurrenceType</code> property is <code>CalRecurrenceMonthly</code> , an array of integer values ranging from 1 to 31 representing days of the month in the pattern; otherwise, nil. (read-only)
<code>daysOfTheWeek</code>	If the <code>recurrenceType</code> property is <code>CalRecurrenceWeekly</code> , an integer value ranging from 1 to 7 representing the day of the week in the pattern where Sunday is equal to 1; otherwise, nil. (read-only)
<code>firstDayOfTheWeek</code>	An integer value of 0 or 1 to 7 where 0 indicates no value is set, and 1 to 7 indicates the first day of the week where Sunday is represented by 1. (read-only)
<code>initWithRecurrenceWithInterval:end:</code>	Initializes and returns a daily recurrence rule with the specified interval and ending rule.
<code>initWithMonthlyRecurrenceWithInterval:end:</code>	Initializes and returns a monthly recurrence rule with the specified interval and end rule.
<code>initWithMonthlyRecurrenceWithInterval:forDayOfTheWeek:forWeekOfTheMonth:end:</code>	Initializes and returns a monthly recurrence rule that represents an event that occurs on a specific day of the week and week of the month <code>pattern</code> . The pattern repeats at the specified monthly interval.
<code>initWithMonthlyRecurrenceWithInterval:forDaysOfTheMonth:end:</code>	Initializes and returns a monthly recurrence rule that represents an event that occurs more than once a month in a monthly <code>pattern</code> . The pattern repeats at the specified interval.

<code>initWithRecurrenceWithInterval:end:</code>	Initializes and returns a weekly recurrence rule with the specified interval and ending rule.
<code>initWithRecurrenceWithInterval:forDaysOfTheWeek:end:</code>	Initializes and returns a weekly recurrence rule with the specified interval, ending rule, and specific days of the week.
<code>initWithYearlyRecurrenceWithInterval:end:</code>	Initializes and returns a yearly recurrence rule with the specified yearly interval and end rule.
<code>initWithYearlyRecurrenceWithInterval:forDayOfTheWeek:forWeekOfTheMonth:forMonthsOfTheYear:end:</code>	Initializes and returns a yearly recurrence rule that represents an event that has a weekly and monthly pattern that repeats at the specified yearly interval.
<code>initWithYearlyRecurrenceWithInterval:forMonthsOfTheYear:end:</code>	Initializes and returns a yearly recurrence rule representing an event that occurs multiple months within a year at a specified yearly interval.
<code>monthsOfTheYear</code>	If the <code>recurrenceType</code> property is <code>CalRecurrenceYearly</code> , an array of the monthsâinteger values ranging from 1 to 12 representing the month of a yearâin which the event occurs; otherwise, nil. (read-only)
<code>nthWeekDaysOfTheMonth</code>	If the <code>recurrenceType</code> property is <code>CalRecurrenceMonthly</code> or <code>CalRecurrenceYearly</code> , an array of <code>CalNthWeekDay</code> objects representing the days within the weeks of a month; otherwise, nil. (read-only)
<code>recurrenceEnd</code>	An object that describes how a recurring event ends by specifying an end date or a counter. (read-only)
<code>recurrenceInterval</code>	The number of intervals between the specified pattern of a recurring event. The actual time between a pattern depends on the value of the <code>recurrenceType</code> property. (read-only)
<code>recurrenceType</code>	The unit of time between intervals. See <code>CalRecurrenceType</code> for possible values. (read-only)

CalTask (New)

Complete reference information is available in the `CalTask` reference.

Class Methods

<code>task</code>	Creates and initializes a newly allocated task object.
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Instance Methods

<code>completedDate</code>	The task's completed date.
<code>dueDate</code>	The due date and time for this task.
<code>isCompleted</code>	YES if this task is completed; otherwise, NO.
<code>priority</code>	The priority of this task—an integer ranging from 0 to 9 with 0 representing an undefined priority, 1 the highest priority, and 9 the lowest priority.

C Symbols

All of the header files with new symbols are listed alphabetically, with their new symbols described.

CalAlarm.h

Data Types & Constants

All of the new data types and constants in this header file are listed alphabetically, with links to documentation and abstracts, if available.

<code>CalAlarmActionDisplay</code>	A message should be displayed when an alarm triggers.
<code>CalAlarmActionEmail</code>	An email message should be sent when an alarm triggers.
<code>CalAlarmActionProcedure</code>	A file should be opened when an alarm triggers.
<code>CalAlarmActionSound</code>	A sound should be played when an alarm triggers.

CalAttendee.h

Data Types & Constants

All of the new data types and constants in this header file are listed alphabetically, with links to documentation and abstracts, if available.

<code>CalAttendeeStatusAccepted</code>	The attendee accepted the invitation.
<code>CalAttendeeStatusDeclined</code>	The attendee declined the invitation.
<code>CalAttendeeStatusNeedsAction</code>	The status is not set for this attendee.
<code>CalAttendeeStatusTentative</code>	The attendee's status is tentative.

CalCalendar.h

Data Types & Constants

All of the new data types and constants in this header file are listed alphabetically, with links to documentation and abstracts, if available.

<code>CalCalendarTypeBirthday</code>	An birthday calendar maintained by Address Book.
<code>CalCalendarTypeCalDAV</code>	A CalDAV server calendar.
<code>CalCalendarTypeIMAP</code>	An IMAP calendar.
<code>CalCalendarTypeLocal</code>	A local calendar that may be synced over .Mac.
<code>CalCalendarTypeSubscription</code>	A subscribed calendar.

CalCalendarStore.h

Data Types & Constants

All of the new data types and constants in this header file are listed alphabetically, with links to documentation and abstracts, if available.

<code>CalCalendarsChangedExternallyNotification</code>	Posted by the shared <code>NSDistributedNotificationCenter</code> object when another application process changes calendar objects.
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<code>CalCalendarsChangedNotification</code>	Posted by the shared <code>NSDistributedNotificationCenter</code> object when this application process changes calendar objects.
<code>CalDeletedRecordsKey</code>	An array of record UUIDs that were deleted.
<code>CalEventsChangedExternallyNotification</code>	Posted by the shared <code>NSDistributedNotificationCenter</code> object when another application process changes event objects.
<code>CalEventsChangedNotification</code>	Posted by the shared <code>NSDistributedNotificationCenter</code> object when this application process changes event objects.
<code>CalInsertedRecordsKey</code>	An array of record UUIDs that were inserted.
<code>CalSenderProcessIDKey</code>	The key for a process ID that identifies the application that changed either a calendar, event, or task object.
<code>CalSpan</code>	The range of events to apply changes to for a recurring event.
<code>CalSpanAllEvents</code>	Apply changes to all events of a recurring event.
<code>CalSpanFutureEvents</code>	Apply changes to all future events of a recurring event.
<code>CalSpanThisEvent</code>	Apply changes to just this instance of a recurring event.
<code>CalTasksChangedExternallyNotification</code>	Posted by the shared <code>NSDistributedNotificationCenter</code> object when another application process changes task objects.
<code>CalTasksChangedNotification</code>	Posted by the shared <code>NSDistributedNotificationCenter</code> object when this application process changes task objects.
<code>CalUpdatedRecordsKey</code>	An array of record UUIDs whose properties were changed.
<code>CalUserUUIDKey</code>	The key for a user UUID that identifies the user that changed either a calendar, event, or task object.

CalRecurrenceRule.h

Data Types & Constants

All of the new data types and constants in this header file are listed alphabetically, with links to documentation and abstracts, if available.

<code>CalDefaultRecurrenceInterval</code>	The default recurrence interval. The default value of 1 indicates that the event repeats daily, weekly, monthly, or yearly depending on the recurrence type.
<code>CalRecurrenceDaily</code>	Indicates a daily unit of measurement.
<code>CalRecurrenceMonthly</code>	Indicates a monthly unit of measurement.
<code>CalRecurrenceType</code>	The unit of measurement between occurrences of a recurring event.
<code>CalRecurrenceWeekly</code>	Indicates a weekly unit of measurement.
<code>CalRecurrenceYearly</code>	Indicates a yearly unit of measurement.

CalTask.h

Data Types & Constants

All of the new data types and constants in this header file are listed alphabetically, with links to documentation and abstracts, if available.

<code>CalPriority</code>	Type that describes the priority of a task.
<code>CalPriorityHigh</code>	The priority for this task is high.
<code>CalPriorityLow</code>	The priority for this task is low.
<code>CalPriorityMedium</code>	The priority for this task is medium.
<code>CalPriorityNone</code>	The priority is not set for this task.

CalendarStoreErrors.h

Data Types & Constants

All of the new data types and constants in this header file are listed alphabetically, with links to documentation and abstracts, if available.

<code>CalCalendarNotEditableError</code>	Attempted to add events or tasks to a read-only calendar.
<code>CalCalendarNotInRepository</code>	Attempted to set an event or task's calendar object to a nonlocal calendar—a calendar that is not in the user's iCal database.
<code>CalCalendarStoreErrorDomain</code>	The Calendar Store error domain.
<code>CalCalendarTitleNotUniqueError</code>	Attempted to save a calendar object that doesn't have a unique title. All calendar titles must be unique.

<code>CalDateInvalidError</code>	Attempted to set the start date of an event earlier than its end date.
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Document Revision History

This table describes the changes to *Calendar Store Reference Update*.

Date	Notes
2007-07-18	New document that summarizes the symbols introduced in the CalendarStore framework in Mac OS X v10.5.

