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# CalCalendarItem Class Reference

[Cocoa](#) > [Apple Applications](#)



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# CalCalendarItem Class Reference

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|------------------------|--|
| <b>Inherits from</b>   | NSObject   |
| <b>Conforms to</b>     | NSCopying<br>NSObject (NSObject)                   |
| <b>Framework</b>       | /System/Library/Frameworks/CalendarStore.framework |
| <b>Availability</b>    | Available in Mac OS X v10.5 and later.             |
| <b>Companion guide</b> | Calendar Store Programming Guide                   |
| <b>Declared in</b>     | CalCalendarItem.h                                  |

## Overview

`CalCalendarItem` is an abstract superclass for `CalEvent` and `CalTask` objects. It provides common properties for its subclasses such as the title and associated calendar object of a calendar item. You do not create `CalCalendarItem` objects directly. Use the `CalCalendarStore` methods to fetch events and tasks. When you have a `CalCalendarItem` object you can add and remove alarms using the methods listed in [“Setting Alarms”](#) (page 6).

## Tasks

### Getting and Setting Properties

- [calendar](#) (page 6) *property*  
The associated `calendar` object for the calendar item.
- [notes](#) (page 7) *property*  
The notes about the calendar item.
- [url](#) (page 8) *property*  
The URL for the calendar item.
- [title](#) (page 7) *property*  
The title of the calendar item.
- [uid](#) (page 8) *property*  
The calendar item’s unique identifier. This property is read-only.

[dateStamp](#) (page 7) *property*

The date the calendar item was last modified (not the same as the date it was last synced). This property is read-only.

[alarms](#) (page 6) *property*

An array containing the calendar item's alarm objects—an array of `CalAlarm` objects.

## Setting Alarms

- [hasAlarm](#) (page 9)  
Returns whether or not the receiver has an alarm.
- [nextAlarmDate](#) (page 9)  
Returns the date of the next alarm.
- [addAlarm:](#) (page 8)  
Adds an alarm to the receiver.
- [addAlarms:](#) (page 8)  
Adds the alarms contained in an array to the receiver.
- [removeAlarm:](#) (page 9)  
Removes the specified alarm from the receiver.
- [removeAlarms:](#) (page 10)  
Removes the alarms contained in an array from the receiver.

## Properties

For more about Objective-C properties, see “Properties” in *The Objective-C 2.0 Programming Language*.

### alarms

An array containing the calendar item's alarm objects—an array of `CalAlarm` objects.

```
@property(copy) NSArray *alarms;
```

#### Availability

Available in Mac OS X v10.5 and later.

#### Declared In

`CalCalendarItem.h`

### calendar

The associated calendar object for the calendar item.

```
@property(retain) CalCalendar *calendar;
```

#### Discussion

An error occurs if you attempt to save a calendar item without first setting the calendar property.

**Availability**

Available in Mac OS X v10.5 and later.

**Related Sample Code**

Reminders

**Declared In**

CalCalendarItem.h

**dateStamp**

The date the calendar item was last modified (not the same as the date it was last synced). This property is read-only.

```
@property(readonly) NSDate *dateStamp;
```

**Availability**

Available in Mac OS X v10.5 and later.

**Declared In**

CalCalendarItem.h

**notes**

The notes about the calendar item.

```
@property(copy) NSString *notes;
```

**Availability**

Available in Mac OS X v10.5 and later.

**Declared In**

CalCalendarItem.h

**title**

The title of the calendar item.

```
@property(copy) NSString *title;
```

**Availability**

Available in Mac OS X v10.5 and later.

**Related Sample Code**

Reminders

**Declared In**

CalCalendarItem.h

**uid**

The calendar item's unique identifier. This property is read-only.

```
@property(readonly) NSString *uid;
```

**Availability**

Available in Mac OS X v10.5 and later.

**Declared In**

CalCalendarItem.h

**url**

The URL for the calendar item.

```
@property(copy) NSURL *url;
```

**Availability**

Available in Mac OS X v10.5 and later.

**Declared In**

CalCalendarItem.h

## Instance Methods

**addAlarm:**

Adds an alarm to the receiver.

```
- (void)addAlarm:(CalAlarm *)alarm
```

**Parameters**

*alarm*

The alarm to add.

**Availability**

Available in Mac OS X v10.5 and later.

**Declared In**

CalCalendarItem.h

**addAlarms:**

Adds the alarms contained in an array to the receiver.

```
- (void)addAlarms:(NSArray *)alarms
```



### Parameters

*alarms*

An array of `CalAlarm` objects to add.

### Availability

Available in Mac OS X v10.5 and later.

### Declared In

`CalCalendarItem.h`

## hasAlarm

Returns whether or not the receiver has an alarm.

- (BOOL)hasAlarm

### Return Value

YES if the receiver has an alarm; otherwise, NO.

### Availability

Available in Mac OS X v10.5 and later.

### Declared In

`CalCalendarItem.h`

## nextAlarmDate

Returns the date of the next alarm.

- (NSDate \*)nextAlarmDate

### Return Value

The date the next alarm triggers.

### Availability

Available in Mac OS X v10.5 and later.

### Declared In

`CalCalendarItem.h`

## removeAlarm:

Removes the specified alarm from the receiver.

- (void)removeAlarm:(CalAlarm \*)alarm

### Parameters

*alarm*

The alarm to remove.

### Availability

Available in Mac OS X v10.5 and later.

**Declared In**

CalCalendarItem.h

**removeAlarms:**

Removes the alarms contained in an array from the receiver.

- (void)removeAlarms:(NSArray \*)*alarms*

**Parameters**

*alarms*

An array of CalAlarm objects to remove.

**Availability**

Available in Mac OS X v10.5 and later.

**Declared In**

CalCalendarItem.h

# Document Revision History

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This table describes the changes to *CalCalendarItem Class Reference*.

| Date       | Notes   |
|------------|---|
| 2007-07-08 | New document that describes the class used to provide access to information about calendar objects associated with a calendar item. |

**REVISION HISTORY**

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