# CalCalendar Class Reference

**Cocoa > Apple Applications**

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Apple Inc.
1 Infinite Loop
Cupertino, CA 95014
408-996-1010

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# CalCalendar Class Reference

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

## Overview

A `CalCalendar` object represents a calendar in iCal.

Use the `calendar` (page 8) method to create a `CalCalendar` object directly, or use the `CalCalendarStore calendars` method to get an array of all the calendar objects. If you know the calendar UID, use the `calendarWithUID:` `CalCalendarStore` method to get the associated calendar object.

Use the properties in this class to get attributes about a calendar—for example, use the properties to get the title and color of a calendar. Use the `eventsWithPredicate:` and `tasksWithPredicate:` `CalCalendarStore` methods to fetch associated events and tasks.

If you retain `CalCalendar` objects, then register for the `CalCalendarsChangedNotification` notification.

## Tasks

### Creating Calendars

`+ calendar` (page 8)
Creates and returns a new `CalCalendar` object.


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### Getting Properties

`color` (page 6) *property*
The calendar's color.

`isEditable` (page 6) *property*
A Boolean value indicating whether the calendar is editable or not.

`notes` (page 7) *property*
Textual notes about the calendar.

`title` (page 7) *property*
The calendar's title.

`type` (page 7) *property*
The type of calendar.

`uid` (page 7) *property*
A unique identifier for the receiver.

## Properties

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

### color

The calendar's color.

```
@property(copy) NSColor * color;
```

**Availability**
Available in Mac OS X v10.5 and later.

**Declared In**
`CalCalendar.h`

### isEditable

A Boolean value indicating whether the calendar is editable or not.

```
@property(readonly) BOOL isEditable;
```

**Discussion**
Set to `YES` if the calendar is editable; otherwise, `NO`.

**Availability**
Available in Mac OS X v10.5 and later.

**Declared In**
`CalCalendar.h`


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## notes

Textual notes about the calendar.

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

**Availability**
Available in Mac OS X v10.5 and later.

**Declared In**
`CalCalendar.h`

## title

The calendar's title.

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

**Availability**
Available in Mac OS X v10.5 and later.

**Related Sample Code**
Reminders

**Declared In**
`CalCalendar.h`

## type

The type of calendar.

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

**Discussion**
The value of this property is one of the constants described in "`Calendar Types`" (page 8).

**Availability**
Available in Mac OS X v10.5 and later.

**Declared In**
`CalCalendar.h`

## uid

A unique identifier for the receiver.

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

**Availability**
Available in Mac OS X v10.5 and later.

**Declared In**
`CalCalendar.h`


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# Class Methods

## calendar

Creates and returns a new `CalCalendar` object.

```
+ (id)calendar
```

**Return Value**
A newly created and initialized `CalCalendar` object.

**Availability**
Available in Mac OS X v10.5 and later.

**Related Sample Code**
Reminders

**Declared In**
`CalCalendar.h`

# Constants

## Calendar Types

The type of calendar.

```
extern NSString * const CalCalendarTypeBirthday;
extern NSString * const CalCalendarTypeCalDAV;
extern NSString * const CalCalendarTypeLocal;
extern NSString * const CalCalendarTypeSubscription;
extern NSString * const CalCalendarTypeIMAP;
```

**Constants**

`CalCalendarTypeBirthday`
An birthday calendar maintained by Address Book.
Available in Mac OS X v10.5 and later.
Declared in `CalCalendar.h`.

`CalCalendarTypeCalDAV`
A CalDAV server calendar.
Available in Mac OS X v10.5 and later.
Declared in `CalCalendar.h`.

`CalCalendarTypeLocal`
A local calendar that may be synced over .Mac.
Available in Mac OS X v10.5 and later.
Declared in `CalCalendar.h`.


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`CalCalendarTypeSubscription`
A subscribed calendar.

Available in Mac OS X v10.5 and later.

Declared in `CalCalendar.h`.

`CalCalendarTypeIMAP`
An IMAP calendar.

Available in Mac OS X v10.5 and later.

Declared in `CalCalendar.h`.

**Declared In**
`CalendarStore/CalCalendar.h`


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# Document Revision History

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

| Date | Notes |
| --- | --- |
| 2007-07-08 | New document that describes the class used to get attributes about a calendar. |



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Document Revision History



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