

[EventKit](#) / [EKCalendar](#)

Class

EKCalendar

A class that represents a calendar in EventKit.

iOS 4.0+ | iPadOS 4.0+ | Mac Catalyst 13.1+ | macOS 10.8+ | visionOS 1.0+ | watchOS 2.0+

```
class EKCalendar
```

Mentioned in

 Retrieving events and reminders

Overview

Use the properties in this class to get attributes about a calendar, such as its title and type. Use the [init\(for:eventStore:\)](#) method to create a calendar object.

Topics

Creating Calendars

`init(for: EKEntityType, eventStore: EKEventStore)`

Creates a new calendar that can contain the given entity type.

~~`init(eventStore: EKEventStore)`~~

Creates and returns a calendar belonging to a specified event store.

Deprecated

Accessing Calendar Properties

enum EKCalendarType

Possible calendar types.

struct EKCalendarEventAvailabilityMask

A bitmask indicating the event availability settings that the calendar can support.

var allowsContentModifications: Bool

A Boolean value that indicates whether you can add, edit, and delete items in the calendar.

var cgColor: CGColor!

The calendar's color.

var color: NSColor!

The calendar's color.

var isImmutable: Bool

A Boolean value indicating whether the calendar's properties can be edited or deleted.

var title: String

The calendar's title.

var type: EKCalendarType

The calendar's type.

var allowedEntityTypes: EKEntityMask

The entity types this calendar can contain.

var source: EKSource!

The source object representing the account to which this calendar belongs.

var isSubscribed: Bool

A Boolean value indicating whether the calendar is a subscribed calendar.

var supportedEventAvailabilities: EKCalendarEventAvailabilityMask

The event availability settings supported by this calendar, as indicated by a bitmask.

var calendarIdentifier: String

A unique identifier for the calendar.

```
func DATETIME_COMPONENTS_DO_NOT_USE()
```

A deprecated function.

Deprecated

```
func DATE_COMPONENTS_DO_NOT_USE()
```

A deprecated function.

Deprecated

Relationships

Inherits From

EKObject

Conforms To

CVarArg

CustomDebugStringConvertible

CustomStringConvertible

Equatable

Hashable

NSObjectProtocol

See Also

Calendars

```
class EKParticipant
```

A class that represents person, group, or room invited to a calendar event.