EKAlarm Class Reference

Data Management

2010-03-25

Apple Inc.
© 2010 Apple Inc.
All rights reserved.

No part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means, mechanical, electronic, photocopying, recording, or otherwise, without prior written permission of Apple Inc., with the following exceptions: Any person is hereby authorized to store documentation on a single computer for personal use only and to print copies of documentation for personal use provided that the documentation contains Apple's copyright notice.

The Apple logo is a trademark of Apple Inc.

Use of the "keyboard" Apple logo (Option-Shift-K) for commercial purposes without the prior written consent of Apple may constitute trademark infringement and unfair competition in violation of federal and state laws.

No licenses, express or implied, are granted with respect to any of the technology described in this document. Apple retains all intellectual property rights associated with the technology described in this document. This document is intended to assist application developers to develop applications only for Apple-labeled computers.

Every effort has been made to ensure that the information in this document is accurate. Apple is not responsible for typographical errors.

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

Apple, the Apple logo, iPhone, and Objective-C are trademarks of Apple Inc., registered in the United States and other countries.

IOS is a trademark or registered trademark of Cisco in the U.S. and other countries and is used under license.

Simultaneously published in the United States and Canada.

Even though Apple has reviewed this document, APPLE MAKES NO WARRANTY OR REPRESENTATION, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THIS DOCUMENT, ITS QUALITY, ACCURACY, MERCHANTABILITY, OR FITNESS FOR A PARTICULAR PURPOSE. AS A RESULT, THIS DOCUMENT IS PROVIDED "AS IS," AND YOU, THE READER, ARE ASSUMING THE ENTIRE RISK AS TO ITS QUALITY AND ACCURACY.

IN NO EVENT WILL APPLE BE LIABLE FOR DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES RESULTING FROM ANY DEFECT OR INACCURACY IN THIS DOCUMENT, even if advised of the possibility of such damages.

THE WARRANTY AND REMEDIES SET FORTH ABOVE ARE EXCLUSIVE AND IN LIEU OF ALL OTHERS, ORAL OR WRITTEN, EXPRESS OR IMPLIED. No Apple dealer, agent, or employee is authorized to make any modification, extension, or addition to this warranty.

Some states do not allow the exclusion or limitation of implied warranties or liability for incidental or consequential damages, so the above limitation or exclusion may not apply to you. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.

Contents

EKAlarm Class Reference 5

Overview 5
Tasks 5
  Creating an Alarm 5
  Accessing Alarm Properties 5
Properties 6
  absoluteDate 6
  relativeOffset 6
Class Methods 6
  alarmWithAbsoluteDate: 6
  alarmWithRelativeOffset: 7

Document Revision History 9

2010-03-25 | © 2010 Apple Inc. All Rights Reserved.

2010-03-25 | © 2010 Apple Inc. All Rights Reserved.

EKAlarm Class Reference

Inherits from	NSObject
Conforms to	NSCopying NSObject (NSObject)
Framework	/System/Library/Frameworks/EventKit.framework
Availability	Available in iOS 4.0 and later.
Companion guide	Event Kit Programming Guide
Declared in	EKAlarm.h

Overview

An `EKAlarm` object represents an alarm in Event Kit. Use the `alarmWithAbsoluteDate:` (page 6) and `alarmWithRelativeOffset:` (page 7) class methods to create an alarm and use the properties to set information about an alarm.

Tasks

Creating an Alarm

`+ alarmWithAbsoluteDate:` (page 6)
Creates and returns an alarm with an absolute date.

`+ alarmWithRelativeOffset:` (page 7)
Creates and returns an alarm with a relative offset.

Accessing Alarm Properties

`absoluteDate` (page 6) *property*
The absolute date for the alarm.

`relativeOffset` (page 6) *property*
The offset from the start of an event, at which the alarm fires.

2010-03-25 | © 2010 Apple Inc. All Rights Reserved.

Properties

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

absoluteDate

The absolute date for the alarm.

```
@property(copy) NSDate *absoluteDate
```

Discussion
If you set this property for a relative offset alarm, it loses the relative offset and becomes an absolute alarm.

Availability
Available in iOS 4.0 and later.

Declared In
`EKAlarm.h`

relativeOffset

The offset from the start of an event, at which the alarm fires.

```
@property NSTimeInterval relativeOffset
```

Discussion
If you set this value for an absolute alarm, it loses its absolute date and becomes a relative offset alarm.

Availability
Available in iOS 4.0 and later.

Declared In
`EKAlarm.h`

Class Methods

alarmWithAbsoluteDate:

Creates and returns an alarm with an absolute date.

```
+ (EKAlarm *)alarmWithAbsoluteDate:(NSDate *)date
```

Parameters
date
The date for the alarm.

Return Value
The created alarm.

2010-03-25 | © 2010 Apple Inc. All Rights Reserved.

Availability
Available in iOS 4.0 and later.

Declared In
`EKAlarm.h`

alarmWithRelativeOffset:

Creates and returns an alarm with a relative offset.

```
+ (EKAlarm *)alarmWithRelativeOffset:(NSTimeInterval)offset
```

Parameters

offset

The offset from start of an event, at which the alarm fires. Should be a negative value or `0`.

Return Value
The created alarm.

Discussion
If `offset` is greater than zero, it is pinned to zero.

Availability
Available in iOS 4.0 and later.

Declared In
`EKAlarm.h`

2010-03-25 | © 2010 Apple Inc. All Rights Reserved.

2010-03-25 | © 2010 Apple Inc. All Rights Reserved.

Document Revision History

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

Date	Notes
2010-03-25	New document that describes the class used to create alarms.

2010-03-25 | © 2010 Apple Inc. All Rights Reserved.

Document Revision History

2010-03-25 | © 2010 Apple Inc. All Rights Reserved.