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# EKParticipant Class Reference

Data Management



2010-04-27



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# EKParticipant Class Reference

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

## Overview

An `EKParticipant` object represents a participant in a calendar event. A participant can be a person, group, room, or other resource.

You do not create `EKParticipant` objects directly. Send `attendees` to an `EKEvent` object to get an array of `EKParticipant` objects.

Use the properties in this class to get information about a participant.

## Tasks

### Accessing Participant Properties

- `name` (page 6) *property*  
The participant's name. (read-only)
- `participantRole` (page 6) *property*  
The participant's role in the event. (read-only)
- `participantStatus` (page 6) *property*  
The participant's attendance status. (read-only)
- `participantType` (page 7) *property*  
The participant's type. (read-only)
- `URL` (page 7) *property*  
The URL representing this participant. (read-only)

## Finding Participant Address Book Records

- [ABRecordWithAddressBook](#): (page 7)

Returns the address book record that represents the participant.

## Properties

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

### name

The participant’s name. (read-only)

```
@property(readonly) NSString *name
```

#### Availability

Available in iOS 4.0 and later.

#### Declared In

EKParticipant.h

### participantRole

The participant’s role in the event. (read-only)

```
@property(readonly) EKParticipantRole participantRole
```

#### Availability

Available in iOS 4.0 and later.

#### See Also

[“Participant Roles”](#) (page 8)

#### Declared In

EKParticipant.h

### participantStatus

The participant’s attendance status. (read-only)

```
@property(readonly) EKParticipantStatus participantStatus
```

#### Availability

Available in iOS 4.0 and later.

#### See Also

[“Participant Statuses”](#) (page 8)

**Declared In**

EKParticipant.h

## participantType

The participant's type. (read-only)

@property(readonly) EKParticipantType participantType

**Availability**

Available in iOS 4.0 and later.

**See Also**

[“Participant Types”](#) (page 10)

**Declared In**

EKParticipant.h

## URL

The URL representing this participant. (read-only)

@property(readonly) NSURL \*URL

**Availability**

Available in iOS 4.0 and later.

**Declared In**

EKParticipant.h

## Instance Methods

### ABRecordWithAddressBook:

Returns the address book record that represents the participant.

- (ABRecordRef)ABRecordWithAddressBook:(ABAddressBookRef)addressBook

**Parameters**

*addressBook*

The address book to search.

**Return Value**

The address book record for the participant, or `nil` if the record is not found.

**Discussion**

This method searches for a record match based on the participant's email address.

**Availability**

Available in iOS 4.0 and later.

**Declared In**

EKParticipant.h

## Constants

### Participant Roles

Represents a participant's role for an event.

```
typedef enum {
    EKParticipantRoleUnknown,
    EKParticipantRoleRequired,
    EKParticipantRoleOptional,
    EKParticipantRoleChair,
    EKParticipantRoleNonParticipant
} EKParticipantRole;
```

**Constants**

EKParticipantRoleUnknown

The participant's role is unknown.

Available in iOS 4.0 and later.

Declared in EKParticipant.h.

EKParticipantRoleRequired

The participant's attendance is required.

Available in iOS 4.0 and later.

Declared in EKParticipant.h.

EKParticipantRoleOptional

The participant's attendance is optional.

Available in iOS 4.0 and later.

Declared in EKParticipant.h.

EKParticipantRoleChair

The participant is the chair of the event.

Available in iOS 4.0 and later.

Declared in EKParticipant.h.

EKParticipantRoleNonParticipant

The participant does not have an active role in the event.

Available in iOS 4.0 and later.

Declared in EKParticipant.h.

### Participant Statuses

Represents a participant's attendance status for an event.



```
typedef enum {
    EKParticipantStatusUnknown,
    EKParticipantStatusPending,
    EKParticipantStatusAccepted,
    EKParticipantStatusDeclined,
    EKParticipantStatusTentative,
    EKParticipantStatusDelegated,
    EKParticipantStatusCompleted,
    EKParticipantStatusInProgress
} EKParticipantStatus;
```

### Constants

- EKParticipantStatusUnknown**  
The participant's attendance status is unknown.  
Available in iOS 4.0 and later.  
Declared in `EKParticipant.h`.
- EKParticipantStatusPending**  
The participant has yet to respond to the event.  
Available in iOS 4.0 and later.  
Declared in `EKParticipant.h`.
- EKParticipantStatusAccepted**  
The participant has accepted the event.  
Available in iOS 4.0 and later.  
Declared in `EKParticipant.h`.
- EKParticipantStatusDeclined**  
The participant has declined the event.  
Available in iOS 4.0 and later.  
Declared in `EKParticipant.h`.
- EKParticipantStatusTentative**  
The participant's attendance status is tentative.  
Available in iOS 4.0 and later.  
Declared in `EKParticipant.h`.
- EKParticipantStatusDelegated**  
The participant has delegated attendance to another participant.  
Available in iOS 4.0 and later.  
Declared in `EKParticipant.h`.
- EKParticipantStatusCompleted**  
The participant's event has completed.  
Available in iOS 4.0 and later.  
Declared in `EKParticipant.h`.
- EKParticipantStatusInProgress**  
The participant's event is currently in process.  
Available in iOS 4.0 and later.  
Declared in `EKParticipant.h`.

## Participant Types

Represent's a participant's type.

```
typedef enum {
    EKParticipantTypeUnknown,
    EKParticipantTypePerson,
    EKParticipantTypeRoom,
    EKParticipantTypeResource,
    EKParticipantTypeGroup
} EKParticipantType;
```

### Constants

`EKParticipantTypeUnknown`  
**The participant's type is unknown.**  
 Available in iOS 4.0 and later.  
 Declared in `EKParticipant.h`.

`EKParticipantTypePerson`  
**The participant is a person.**  
 Available in iOS 4.0 and later.  
 Declared in `EKParticipant.h`.

`EKParticipantTypeRoom`  
**The participant is a room.**  
 Available in iOS 4.0 and later.  
 Declared in `EKParticipant.h`.

`EKParticipantTypeResource`  
**The participant is a resource.**  
 Available in iOS 4.0 and later.  
 Declared in `EKParticipant.h`.

`EKParticipantTypeGroup`  
**The participant is a group.**  
 Available in iOS 4.0 and later.  
 Declared in `EKParticipant.h`.

# Document Revision History

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

Date	Notes
2010-04-27	New document that describes the class used to get attributes about an event participant.

## REVISION HISTORY

### Document Revision History