
Address Book Data Types Reference

[Cocoa > Apple Applications](#)



2006-07-26



Apple Inc.
© 2006 Apple Computer, 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, Cocoa, Mac, and Mac OS are trademarks of Apple Inc., registered in the United States and other countries.

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

Address Book Data Types Reference 5

Overview 5

Data Types 5

 ABPropertyType 5

 ABSearchComparison 6

 ABSearchConjunction 6

 ABPeoplePickerSelectionBehavior 7

Document Revision History 9

Index 11

Address Book Data Types Reference

Framework:	AddressBook/AddressBook.h
Declared in	ABPeoplePickerView.h ABTypedefs.h

Overview

This chapter describes the data types and constants found in the Address Book framework.

Data Types

ABPropertyType

Defines the possible types of ABRecord properties.

```
enum _ABPropertyType {
    kABErrorInProperty          = 0x0,
    kABStringProperty           = 0x1,
    kABIntegerProperty          = 0x2,
    kABRealProperty             = 0x3,
    kABDateProperty             = 0x4,
    kABArrayProperty            = 0x5,
    kABDictionaryProperty       = 0x6,
    kABDataProperty             = 0x7,
    kABMultiStringProperty      = kABMultiValueMask | kABStringProperty,
    kABMultiIntegerProperty     = kABMultiValueMask | kABIntegerProperty,
    kABMultiRealProperty        = kABMultiValueMask | kABRealProperty,
    kABMultiDateProperty        = kABMultiValueMask | kABDateProperty,
    kABMultiArrayProperty       = kABMultiValueMask | kABArrayProperty,
    kABMultiDictionaryProperty  = kABMultiValueMask | kABDictionaryProperty,
    kABMultiDataProperty        = kABMultiValueMask | kABDataProperty
};
typedef CFIndex ABPropertyType;
```

Discussion

These constants are described in “Constants” in “ABRecord”.

Availability

Available in Mac OS X v10.2 and later.

Declared In

ABTypedefs.h

ABSearchComparison

Defines constants used to construct search elements.

```
enum _ABSearchComparison {
    kABEqual,
    kABNotEqual,
    kABLessThan,
    kABLessThanOrEqual,
    kABGreaterThan,
    kABGreaterThanOrEqual,
    kABEqualCaseInsensitive,
    kABContainsSubString,
    kABContainsSubStringCaseInsensitive,
    kABPrefixMatch,
    kABPrefixMatchCaseInsensitive,
    kABBitsInBitFieldMatch,
    kABDoesNotContainSubString,
    kABDoesNotContainSubStringCaseInsensitive,
    kABNotEqualCaseInsensitive,
    kABSuffixMatch,
    kABSuffixMatchCaseInsensitive,
    kABWithinIntervalAroundToday,
    kABWithinIntervalAroundTodayYearless,
    kABNotWithinIntervalAroundToday,
    kABNotWithinIntervalAroundTodayYearless,
    kABWithinIntervalFromToday,
    kABWithinIntervalFromTodayYearless,
    kABNotWithinIntervalFromToday,
    kABNotWithinIntervalFromTodayYearless
};
typedef CFIndex ABSearchComparison;
```

Discussion

These constants are described in “Constants” in “ABSearchElement”.

Availability

Available in Mac OS X v10.2 and later.

Declared In

ABTypedefs.h

ABSearchConjunction

Defines constants used to combine search elements.

```
enum _ABSearchConjunction {
    kABSearchAnd,
    kABSearchOr
};
typedef CFIndex ABSearchConjunction;
```

Discussion

These constants are described in “Constants” in “ABSearchElement”.

Availability

Available in Mac OS X v10.2 and later.

Declared In

ABTypedefs.h

ABPeoplePickerSelectionBehavior

```
typedef enum {
    ABNoValueSelection    = 0,
    ABSingleValueSelection = 1,
    ABMultipleValueSelection = 2
} ABPeoplePickerSelectionBehavior;
```

Discussion

These constants are described in “Constants” in “ABPeoplePickerView”.

Availability

Available in Mac OS X v10.3 and later.

Declared In

ABPeoplePickerView.h

Document Revision History

This table describes the changes to *Address Book Data Types Reference*.

Date	Notes
2006-07-26	Updated for Mac OS X v10.5.
2006-05-23	First publication of this content as a separate document.

REVISION HISTORY

Document Revision History

Index

A

ABPeoplePickerSelectionBehavior **data type** [7](#)

ABPropertyType **data type** [5](#)

ABSearchComparison **data type** [6](#)

ABSearchConjunction **data type** [6](#)