
Address Book Reference Update

Data Management: Contact Data



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Introduction to Address Book Reference Update

This document summarizes the symbols that have been added to the Address Book framework. The full reference documentation notes in what version a symbol was introduced, but sometimes it's useful to see only the new symbols for a given release.

If you are not familiar with this framework you should refer to the complete framework reference documentation.

Organization of This Document

Symbols are grouped by class or protocol for Objective-C and by header file for C. For each symbol there is a link to complete documentation, if available, and a brief description, if available.

See Also

For reference documentation on this framework, see *Address Book Objective-C Framework Reference*.

10.6 Symbol Changes

This article lists the symbols added to `AddressBook.framework` in Mac OS X v10.6.

Classes

All of the classes with new symbols are listed alphabetically, with their new class, instance, and delegate methods described.

ABPeoplePickerView

Complete reference information is available in the `ABPeoplePickerView` reference.

Instance Methods

<code>accessoryView</code>	The view that is placed to the left of the search field.
<code>allowsGroupSelection</code>	A Boolean value that specifies whether the user can select entire groups in the group column.
<code>allowsMultipleSelection</code>	A Boolean value that specifies whether multiple groups, records, or values of multivalued properties can be selected at a time.
<code>autosaveName</code>	The name under which the column positions and the filter selection are saved.
<code>displayedProperty</code>	The property currently displayed in the record list.
<code>groupDoubleAction</code>	The action to be invoked when a group is double-clicked.
<code>nameDoubleAction</code>	The action to be invoked when a name is double-clicked.
<code>selectedGroups</code>	The groups selected in the group list. (read-only)
<code>selectedRecords</code>	The selection in the records list. (read-only)
<code>target</code>	The target for double-click actions.
<code>valueSelectionBehavior</code>	The current selection behavior.

C Symbols

All of the header files with new symbols are listed alphabetically, with their new symbols described.

ABGlobals.h

Data Types & Constants

All of the new data types and constants in this header file are listed alphabetically, with links to documentation and abstracts, if available.

kABAIMMobileMeLabel	Mobile Me AOL instant messaging ID.
kABEmailMobileMeLabel	Mobile Me email.
kABPhoneiPhoneLabel	iPhone phone number.
kABShowAsResource	Record is displayed as a resource.
kABShowAsRoom	Record is displayed as a room.

10.5 Symbol Changes

This article lists the symbols added to `AddressBook.framework` in Mac OS X v10.5.

Classes

All of the classes with new symbols are listed alphabetically, with their new class, instance, and delegate methods described.

ABAddressBook

Complete reference information is available in the [ABAddressBook](#) reference.

Class Methods

<code>addressBook</code>	Returns a new instance of <code>ABAddressBook</code> .
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Instance Methods

<code>saveAndReturnError:</code>	Saves all the changes made since the last save.
----------------------------------	---

ABMultiValue

Complete reference information is available in the [ABMultiValue](#) reference.

Instance Methods

<code>labelForIdentifier:</code>	Returns the label for the given identifier.
<code>valueForIdentifier:</code>	Returns the value for the given identifier.

ABRecord

Complete reference information is available in the [ABRecord](#) reference.

Instance Methods

<code>init</code>	Initializes a record using the shared address book.
<code>initWithAddressBook:</code>	Initializes a record using the given address book.

C Symbols

All of the header files with new symbols are listed alphabetically, with their new symbols described.

ABGlobals.h

Data Types & Constants

All of the new data types and constants in this header file are listed alphabetically, with links to documentation and abstracts, if available.

<code>kABCalendarURIsProperty</code>	Calendar URIs. Type: <code>kABMultiStringProperty</code> .
--------------------------------------	--

10.4 Symbol Changes

This article lists the symbols added to `AddressBook.framework` in Mac OS X v10.4.

Classes

All of the classes with new symbols are listed alphabetically, with their new class, instance, and delegate methods described.

ABRecord

Complete reference information is available in the [ABRecord](#) reference.

Instance Methods

<code>isReadOnly</code>	Returns whether a record is read-only.
-------------------------	--

C Symbols

All of the header files with new symbols are listed alphabetically, with their new symbols described.

ABAddressBookC.h

Functions

All of the new functions in this header file are listed alphabetically, with links to documentation and abstracts, if available.

<code>ABRecordCreateCopy</code>	Returns a copy of the given record.
<code>ABRecordIsReadOnly</code>	Returns whether or not the record is read-only.

ABGlobals.h

Data Types & Constants

All of the new data types and constants in this header file are listed alphabetically, with links to documentation and abstracts, if available.

kABHomePageLabel	Webpage URL.
kABURLsProperty	Web pages. Type: kABMultiStringProperty.

ABTypedefs.h

Data Types & Constants

All of the new data types and constants in this header file are listed alphabetically, with links to documentation and abstracts, if available.

kABDoesNotContainSubString	Search for elements that do not contain the value.
kABDoesNotContainSubStringCaseInsensitive	Search for elements that do not contain the value, ignoring case.
kABNotEqualCaseInsensitive	Search for elements that are not equal to the value, ignoring case.
kABNotWithinIntervalAroundToday	Search for elements that are not within a time interval (in seconds) forward or backward from today.
kABNotWithinIntervalAroundTodayYearless	Search for elements that are not within a time interval (in seconds) forward or backward from this day in any year.
kABNotWithinIntervalFromToday	Search for elements that are not within a time interval (in seconds) forward from today.
kABNotWithinIntervalFromTodayYearless	Search for elements that are not within a time interval (in seconds) forward from this day in any year.
kABSuffixMatch	Search for elements that end with the value.
kABSuffixMatchCaseInsensitive	Search for elements that end with the value, ignoring case.
kABWithinIntervalAroundToday	Search for elements that are within a time interval (in seconds) forward or backward from today.

10.4 Symbol Changes

<code>kABWithinIntervalAroundTodayYearless</code>	Search for elements that are within a time interval (in seconds) forward or backward from this day in any year.
<code>kABWithinIntervalFromToday</code>	Search for elements that are within a time interval (in seconds) forward from today.
<code>kABWithinIntervalFromTodayYearless</code>	Search for elements that are within a time interval (in seconds) forward from this day in any year.

10.3 Symbol Changes

This article lists the symbols added to `AddressBook.framework` in Mac OS X v10.3.

Classes

All of the classes with new symbols are listed alphabetically, with their new class, instance, and delegate methods described.

ABAddressBook

Complete reference information is available in the [ABAddressBook reference](#).

Instance Methods

<code>defaultCountryCode</code>	Returns the default country code for records with unspecified country codes.
<code>defaultNameOrdering</code>	Returns the default name ordering defined by the user in the Address Book application's preferences.
<code>formattedAddressFromDictionary:</code>	Returns an attributed string containing the formatted address.
<code>recordClassFromUniqueId:</code>	Returns the class name of the record that matches the given unique ID.

ABPeoplePickerView (New)

Complete reference information is available in the [ABPeoplePickerView reference](#).

Instance Methods

<code>accessoryView</code>	The view that is placed to the left of the search field.
<code>addProperty:</code>	Adds a property to the group of properties whose values are shown in the record list.

<code>allowsGroupSelection</code>	A Boolean value that specifies whether the user can select entire groups in the group column.
<code>allowsMultipleSelection</code>	A Boolean value that specifies whether multiple groups, records, or values of multivalued properties can be selected at a time.
<code>autosaveName</code>	The name under which the column positions and the filter selection are saved.
<code>clearSearchField:</code>	Clears the search field and resets the list of displayed records.
<code>columnTitleForProperty:</code>	Returns the title of a custom property.
<code>deselectAll:</code>	Deselects all selected groups, records, and values in multivalued properties.
<code>deselectGroup:</code>	Deselects a group selected in the group list.
<code>deselectIdentifier:forPerson:</code>	Deselects a value selected in a multivalued property.
<code>deselectRecord:</code>	Deselects a record selected in the record list.
<code>displayedProperty</code>	The property currently displayed in the record list.
<code>editInAddressBook:</code>	Launches Address Book to edit the item selected in the people picker.
<code>groupDoubleAction</code>	The action to be invoked when a group is double-clicked.
<code>nameDoubleAction</code>	The action to be invoked when a name is double-clicked.
<code>properties</code>	Returns an array of the properties whose values are shown in the record list.
<code>removeProperty:</code>	Removes a property from the group of properties whose values are shown in the record list.
<code>selectedGroups</code>	The groups selected in the group list. (read-only)
<code>selectedIdentifiersForPerson:</code>	Returns the identifiers of the selected values in a multivalued property.

10.3 Symbol Changes

<code>selectedRecords</code>	The selection in the records list. (read-only)
<code>selectedValues</code>	Returns an array of all the values selected in the displayed multivalue property.
<code>selectGroup:byExtendingSelection:</code>	Selects a group or a set of groups in the group list.
<code>selectIdentifier:forPerson:byExtendingSelection:</code>	Selects a value or a set of values in a multivalue property.
<code>selectInAddressBook:</code>	Launches Address Book and selects the item selected in the people picker.
<code>selectRecord:byExtendingSelection:</code>	Selects a record or a set of records in the record list.
<code>accessoryView</code>	The view that is placed to the left of the search field.
<code>allowsGroupSelection</code>	A Boolean value that specifies whether the user can select entire groups in the group column.
<code>allowsMultipleSelection</code>	A Boolean value that specifies whether multiple groups, records, or values of multivalue properties can be selected at a time.
<code>autosaveName</code>	The name under which the column positions and the filter selection are saved.
<code>setColumnTitle:forProperty:</code>	Sets the title displayed in the people picker for a property.
<code>displayedProperty</code>	The property currently displayed in the record list.
<code>groupDoubleAction</code>	The action to be invoked when a group is double-clicked.
<code>nameDoubleAction</code>	The action to be invoked when a name is double-clicked.
<code>target</code>	The target for double-click actions.
<code>valueSelectionBehavior</code>	The current selection behavior.
<code>target</code>	The target for double-click actions.
<code>valueSelectionBehavior</code>	The current selection behavior.

NSObject

Complete reference information is available in the `NSObject` reference.

Instance Methods

<code>actionProperty</code>	Sent to the delegate to request the property the action applies to. (required)
<code>performActionForPerson:identifier:</code>	Sent to the delegate to perform the action. (required)
<code>shouldEnableActionForPerson:identifier:</code>	Sent to the delegate to determine whether the action should be enabled. (required)
<code>titleForPerson:identifier:</code>	Sent to the delegate to request the title of the menu item for the action. (required)

C Symbols

All of the header files with new symbols are listed alphabetically, with their new symbols described.

ABActionsC.h

Data Types & Constants

All of the new data types and constants in this header file are listed alphabetically, with links to documentation and abstracts, if available.

<code>ABActionCallbacks</code>	This is the structure that the <code>ABActionRegisterCallbacks</code> returns to tell Address Book about the action the plug-in implements.
<code>ABActionCopyTitleCallback</code>	Return the title of the menu item for the action. If the property returned by <code>ABActionGetPropertyCallback</code> is a multi-value property, <code>identifier</code> contains the unique identifier of the value selected.
<code>ABActionEnabledCallback</code>	Return true if the action menu item should be enabled, false otherwise. If the property returned by <code>ABActionGetPropertyCallback</code> is a multi-value property, <code>identifier</code> contains the unique identifier of the value selected.
<code>ABActionGetPropertyCallback</code>	Return the property the action applies to.
<code>ABActionSelectedCallback</code>	Execute the action. If the property returned by <code>ABActionGetPropertyCallback</code> is a multi-value property, <code>identifier</code> contains the unique identifier of the value selected; otherwise, <code>identifier</code> is NULL.

ABAddressBookC.h

Functions

All of the new functions in this header file are listed alphabetically, with links to documentation and abstracts, if available.

ABCopyDefaultCountryCode	Returns the default country code for records with unspecified country codes.
ABCopyRecordTypeFromUniqueId	Returns the type name of the record that matches a given unique ID.
ABCreateFormattedAddressFromDictionary	Returns a string containing the formatted address.

ABGlobals.h

Data Types & Constants

All of the new data types and constants in this header file are listed alphabetically, with links to documentation and abstracts, if available.

kABAnniversaryLabel	Anniversary date.
kABAssistantLabel	Assistant.
kABBrotherLabel	Brother.
kABChildLabel	Child.
kABDefaultNameOrdering	Default name ordering (whether a person's first name or last name is displayed first) the Address Book application.
kABDeletedRecords	Records that have been deleted.
kABDepartmentProperty	Department name. Type: kABStringProperty.
kABFatherLabel	Father.
kABFirstNameFirst	First name is displayed first in Address Book.
kABFriendLabel	Friend.
kABInsertedRecords	Records that have been inserted.
kABLastNameFirst	Last name is displayed first in Address Book.
kABManagerLabel	Manager.
kABMotherLabel	Mother.

kABNameOrderingMask	Used in conjunction with kABDefaultNameOrdering, kABFirstNameFirst, and kABLastNameFirst to determine name ordering.
kABOtherDatesProperty	Dates associated with a person. Type: kABMultiDateProperty.
kABParentLabel	Parent.
kABPartnerLabel	Partner.
kABPersonFlags	Property that specifies the name ordering and configuration of a record in the Address Book application. See “Person Flags” in ABPerson Class Reference.
kABRelatedNamesProperty	Names of people related to a person. Type: kABMultiStringProperty.
kABShowAsCompany	Record is displayed as a company.
kABShowAsMask	Used in conjunction with kABShowAsPerson, kABShowAsCompany, kABShowAsResource, and kABShowAsRoom to determine record configuration.
kABShowAsPerson	Record is displayed as a person.
kABSisterLabel	Sister.
kABSpouseLabel	Spouse.
kABUpdatedRecords	Records that have been updated.

ABPeoplePickerC.h

Functions

All of the new functions in this header file are listed alphabetically, with links to documentation and abstracts, if available.

ABPickerAddProperty	Adds a property to the group of properties available in the record list. Use ABPickerRemoveProperty to remove a property from the list and ABPickerCopyProperties to obtain the list of properties available in the list.
ABPickerChangeAttributes	Specifies the selection behaviors for a people-picker window. Use ABPickerGetAttributes to obtain the selection behaviors specified for the window.
ABPickerClearSearchField	Clears the search field and resets the list of displayed records.
ABPickerCopyColumnName	Obtains the title of a custom property.

<code>ABPickerCopyDisplayedProperty</code>	Returns the name of the property currently displayed in the record list.
<code>ABPickerCopyProperties</code>	Obtains the list of properties available in the record list. Use <code>ABPickerAddProperty</code> to add a property to the record list and <code>ABPickerRemoveProperty</code> to remove a property from the list.
<code>ABPickerCopySelectedGroups</code>	Returns the groups selected in the group list as an array of <code>ABGroup</code> objects.
<code>ABPickerCopySelectedIdentifiers</code>	Returns the identifiers of the selected values in a multi-value property or an empty array if the property displayed is a single-value property.
<code>ABPickerCopySelectedRecords</code>	Returns the selection in the record list as an array of <code>ABGroup</code> or <code>ABPerson</code> objects.
<code>ABPickerCopySelectedValues</code>	Returns the selected values in a multi-value property or an empty array if no values are selected or the property displayed is a single-value property.
<code>ABPickerCreate</code>	Creates an <code>ABPickerRef</code> . The corresponding window is hidden. Invoke <code>ABPickerSetVisibility</code> to show it. Release with <code>CFRelease</code> .
<code>ABPickerDeselectAll</code>	Deselects all selected groups, records, and values in multi-value properties.
<code>ABPickerDeselectGroup</code>	Deselects a group in the group list.
<code>ABPickerDeselectIdentifier</code>	Deselects a value in multi-value property currently displayed in the record list.
<code>ABPickerDeselectRecord</code>	Deselects a group in the record list.
<code>ABPickerEditInAddressBook</code>	Launches Address Book to edit the item selected in the people-picker window.
<code>ABPickerGetAttributes</code>	Indicates the selection behaviors selected a people-picker window. Use <code>ABPickerChangeAttributes</code> to specify selection behaviors for the window.
<code>ABPickerGetDelegate</code>	Obtains the delegate for a people-picker window.
<code>ABPickerGetFrame</code>	Returns the position and size of the people-picker window.
<code>ABPickerIsVisible</code>	Indicates whether the people-picker window is visible.
<code>ABPickerRemoveProperty</code>	Removes a property from the group of properties whose values are shown in the record list. Use <code>ABPickerAddProperty</code> to add a property to the record list and <code>ABPickerCopyProperties</code> to obtain the list of properties shown in the record list.
<code>ABPickerSelectGroup</code>	Selects a group or a set of groups in the group list.
<code>ABPickerSelectIdentifier</code>	Selects a value or a set of values in a multi-value property.

ABPickerSelectInAddressBook	Launches Address Book and selects the item selected in the people-picker window.
ABPickerSelectRecord	Selects a record or a set of records in the record list.
ABPickerSetColumnTitle	Sets the title for a custom property.
ABPickerSetDelegate	Sets the event handler for people-picker events.
ABPickerSetDisplayedProperty	Displays one of the properties whose values are shown in the record list.
ABPickerSetFrame	Specifies the position and size of the people-picker window.
ABPickerSetVisibility	Shows or hides a people-picker window.

Data Types & Constants

All of the new data types and constants in this header file are listed alphabetically, with links to documentation and abstracts, if available.

ABPickerAttributes	These constants specify the selection behavior for the values of multi-value properties.
ABPickerRef	A reference to an ABPicker object.
kABPickerAllowGroupSelection	
kABPickerAllowMultipleSelection	
kABPickerMultipleValueSelection	Available in Mac OS X v10.3 and later.
kABPickerSingleValueSelection	Available in Mac OS X v10.3 and later.
kEventABPeoplePickerDisplayedPropertyChanged	The displayed property in the record list changed.
kEventABPeoplePickerGroupDoubleClicked	A group in the group list was double-clicked.
kEventABPeoplePickerGroupSelectionChanged	The selection in the group list changed.
kEventABPeoplePickerNameDoubleClicked	A record in the record list was double-clicked.
kEventABPeoplePickerNameSelectionChanged	The selection in the name list changed.
kEventABPeoplePickerValueSelectionChanged	The selection in a multi-value property changed.
kEventClassABPeoplePicker	The class of people-picker events.
kEventParamABPickerRef	The parameter name of people-picker events.

ABPeoplePickerView.h

Data Types & Constants

All of the new data types and constants in this header file are listed alphabetically, with links to documentation and abstracts, if available.

ABMultipleValueSelection	The user can select multiple values.
ABNoValueSelection	The user cannot select individual values.
ABPeoplePickerDisplayedProperty- DidChangeNotification	Posted when the displayed property in the record list is changed.
ABPeoplePickerGroupSelectionDidChangeNotification	Posted when the selection in the group list is changed.
ABPeoplePickerNameSelectionDidChangeNotification	Posted when the selection in the name list is changed.
ABPeoplePickerSelectionBehavior	These constants are of the type Selection Behavior and are used by valueSelectionBehavior.
ABPeoplePickerValueSelectionDidChangeNotification	Posted when the selection in a multivalue property is changed.
ABSingleValueSelection	The user can select a single value.

ABTypedefs.h

Data Types & Constants

All of the new data types and constants in this header file are listed alphabetically, with links to documentation and abstracts, if available.

kABBitsInBitFieldMatch	Search for elements that match the bits in ABPersonFlags.
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10.2 Symbol Changes

This article lists the symbols added to `AddressBook.framework` in Mac OS X v10.2.

Classes

All of the classes with new symbols are listed alphabetically, with their new class, instance, and delegate methods described.

ABAddressBook (New)

Complete reference information is available in the [ABAddressBook reference](#).

Class Methods

<code>sharedAddressBook</code>	Returns the unique shared instance of <code>ABAddressBook</code> .
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Instance Methods

<code>addRecord:</code>	Adds an <code>ABPerson</code> or <code>ABGroup</code> record to the Address Book database.
<code>groups</code>	Returns an array of all the groups in the Address Book database.
<code>hasUnsavedChanges</code>	Indicates whether an address book has changes that have not been saved to the Address Book database.
<code>me</code>	Returns the <code>ABPerson</code> record that represents the logged-in user.
<code>people</code>	Returns an array of all the people in the Address Book database.
<code>recordForUniqueId:</code>	Returns the person or group record that matches the given unique ID.
<code>recordsMatchingSearchElement:</code>	Returns an array of records that match the given search element, or returns an empty array if no records match the search element.
<code>removeRecord:</code>	Removes an <code>ABPerson</code> or <code>ABGroup</code> record from the Address Book database.
<code>save</code>	Saves all the changes made since the last save.

setMe:	Sets the record that represents the logged-in user.
--------	---

ABGroup (New)

Complete reference information is available in the `ABGroup` reference.

Class Methods

addPropertiesAndTypes:	Adds the given properties to all records of this type in the Address Book database.
properties	Returns an array of the names of all the properties for this record type in the Address Book database.
removeProperties:	Removes the given properties from all the records of this type in the Address Book database.
searchElementForProperty:label: key:value:comparison:	Returns a search element object that searches for records of this type.
typeOfProperty:	Returns the type for a given property.

Instance Methods

addMember:	Adds a person to a group.
addSubgroup:	Adds a subgroup to another group.
distributionIdentifierForProperty:person:	Returns the distribution identifier for the given property and person.
members	Returns an array of persons in a group.
parentGroups	Returns an array containing a group's parents—that is, the groups that a group belongs to.
removeMember:	Removes a person from a group.
removeSubgroup:	Removes a subgroup from a group.
setDistributionIdentifier:forProperty:person:	Assigns a specific distribution identifier for a person's multivalue list property so that the group can be used as a distribution list.
subgroups	Returns an array containing a group's subgroups.

ABMultiValue (New)

Complete reference information is available in the [ABMultiValue](#) reference.

Instance Methods

<code>count</code>	Returns the number of entries in a multivalue list.
<code>identifierAtIndex:</code>	Returns the identifier for the given index.
<code>indexForIdentifier:</code>	Returns the index for the given identifier.
<code>labelAtIndex:</code>	Returns the label for the given index.
<code>primaryIdentifier</code>	Returns the identifier for the primary value.
<code>propertyType</code>	Returns the type for the values in a multivalue list.
<code>valueAtIndex:</code>	Returns the value for the given index.

ABMutableMultiValue (New)

Complete reference information is available in the [ABMutableMultiValue](#) reference.

Instance Methods

<code>addValue:withLabel:</code>	Adds a value and its label to a multivalue list.
<code>insertValue:withLabel:atIndex:</code>	Inserts a value and its label at the given index in a multivalue list.
<code>removeValueAndLabelAtIndex:</code>	Removes the value and label at the given index.
<code>replaceLabelAtIndex:withLabel:</code>	Replaces the label at the given index.
<code>replaceValueAtIndex:withValue:</code>	Replaces the value at the given index.
<code>setPrimaryIdentifier:</code>	Sets the primary value to be the value for the given identifier.

ABPerson (New)

Complete reference information is available in the [ABPerson](#) reference.

Class Methods

<code>addPropertiesAndTypes:</code>	Adds the given properties to all the records of this type in the Address Book database.
<code>cancelLoadingImageDataForTag:</code>	Cancels an asynchronous fetch of the images for a given tag.
<code>properties</code>	Returns an array of the names of all the properties for the record in the Address Book database.
<code>removeProperties:</code>	Removes the given properties from all the records of this type in the Address Book database.
<code>searchElementForProperty:label: key:value:comparison:</code>	Returns a search element object that specifies a query for records of this type.
<code>typeOfProperty:</code>	Returns the type of a given property.

Instance Methods

<code>beginLoadingImageDataForClient:</code>	Starts an asynchronous fetch for image data in all locations
<code>imageData</code>	Returns data that contains a picture of this person.
<code>initWithVCardRepresentation:</code>	Returns an <code>ABPerson</code> instance initialized with the given data.
<code>parentGroups</code>	Returns an array of the address book groups that this person belongs to.
<code>setImageData:</code>	Sets the image for this person to the given data.
<code>setTIFFImageData:</code>	
<code>TIFFImageData</code>	
<code>vCardRepresentation</code>	Returns the vCard representation of the person record as a data object in vCard format.

ABRecord (New)

Complete reference information is available in the `ABRecord` reference.

Instance Methods

<code>removeValueForProperty:</code>	Removes the value for a given property.
<code>setValue:forProperty:</code>	Sets the value of a given property for a record.
<code>uniqueId</code>	Returns the unique ID for a record.

<code>valueForProperty:</code>	Returns the value of a given property for a record.
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ABSearchElement (New)

Complete reference information is available in the [ABSearchElement](#) reference.

Class Methods

<code>searchElementForConjunction:children:</code>	Returns a compound search element, created by combining the search elements in an array with the given conjunction.
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Instance Methods

<code>matchesRecord:</code>	Tests whether or not a record matches a search element.
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Protocols

All of the protocols with new symbols are listed alphabetically, with their new methods described.

ABImageClient (New)

Complete reference information is available in the [ABImageClient](#) reference.

Instance Methods

<code>consumeImageData:forTag:</code>	Gets the image data for the given tag that was initiated by an asynchronous fetch. (required)
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C Symbols

All of the header files with new symbols are listed alphabetically, with their new symbols described.

ABAddressBookC.h

Functions

All of the new functions in this header file are listed alphabetically, with links to documentation and abstracts, if available.

ABAddPropertiesAndTypes	Adds the given properties to all the records of the specified type in the Address Book database, and returns the number of properties successfully added.
ABAddRecord	Adds a record of the specified type to the Address Book database.
ABBeginLoadingImageDataForClient	Starts an asynchronous fetch for image data in all locations, and returns a non-zero tag for tracking.
ABCancelLoadingImageDataForTag	Cancels an asynchronous fetch of an image for the given tag.
ABCopyArrayOfAllGroups	Returns an array of all the groups in the Address Book database.
ABCopyArrayOfAllPeople	Returns an array of all the people in the Address Book database.
ABCopyArrayOfMatchingRecords	Returns an array of records that match the given search element, or an empty array if no records match the search element.
ABCopyArrayOfPropertiesForRecordType	Returns an array containing the names of all the properties for the specified record type.
ABCopyLocalizedPropertyOrLabel	Returns the localized version of a built in property, label, or key.
ABCopyRecordForUniqueId	Returns the record that matches the given unique ID.
ABGetMe	Returns the ABPerson object for the logged-in user.
ABGetSharedAddressBook	Returns the unique shared ABAddressBook object.
ABGroupAddGroup	Adds a subgroup to another group.
ABGroupAddMember	Adds a record to a group.
ABGroupCopyArrayOfAllMembers	Returns the records in a group.
ABGroupCopyArrayOfAllSubgroups	Returns an array containing a group's subgroups.
ABGroupCopyDistributionIdentifier	Returns the distribution identifier for the given property and person.

<code>ABGroupCopyParentGroups</code>	Returns an array containing a group's parents—the groups that a group belongs to.
<code>ABGroupCreate</code>	Creates a group record.
<code>ABGroupCreateSearchElement</code>	Creates an <code>ABSearchElement</code> object that specifies a query for <code>ABGroup</code> records.
<code>ABGroupRemoveGroup</code>	Removes a subgroup from a group.
<code>ABGroupRemoveMember</code>	Removes a record from a group.
<code>ABGroupSetDistributionIdentifier</code>	Assigning a specific distribution identifier for a person's multi-value list property so that the group can be used as a distribution list (mailing list, in the case of an email property).
<code>ABHasUnsavedChanges</code>	Returns whether if there are unsaved changes in the address book.
<code>ABMultiValueAdd</code>	Adds a value and its label to a multi-value list.
<code>ABMultiValueCopyIdentifierAtIndex</code>	Returns the identifier at the given index.
<code>ABMultiValueCopyLabelAtIndex</code>	Returns the label for a value in a multivalue property.
<code>ABMultiValueCopyPrimaryIdentifier</code>	Returns the identifier for the primary value.
<code>ABMultiValueCopyValueAtIndex</code>	Returns the value at a particular location within a multivalue property.
<code>ABMultiValueCount</code>	Returns the number of entries in a multi-value list.
<code>ABMultiValueCreate</code>	Returns a new <code>ABMultiValue</code> object.
<code>ABMultiValueCreateCopy</code>	Returns a copy of a multi-value object.
<code>ABMultiValueCreateMutable</code>	Returns a new, empty, mutable multivalue property.
<code>ABMultiValueCreateMutableCopy</code>	Returns a mutable copy of a multivalue property.
<code>ABMultiValueIndexForIdentifier</code>	Returns the index for the given identifier.
<code>ABMultiValueInsert</code>	Inserts a value and its label at the given index in a multi-value list.
<code>ABMultiValuePropertyType</code>	Returns the type for the values in a multi-value list.
<code>ABMultiValueRemove</code>	Removes the value and label at the given index.
<code>ABMultiValueReplaceLabel</code>	Replaces the label at the given index.
<code>ABMultiValueReplaceValue</code>	Replaces the value at the given index.
<code>ABMultiValueSetPrimaryIdentifier</code>	Sets the primary value to be the value for the given identifier.

ABPersonCopyImageData	Returns the picture for a person.
ABPersonCopyParentGroups	Returns an array of groups that a person belongs to.
ABPersonCopyVCardRepresentation	Returns the vCard representation of the person as a data object in vCard format.
ABPersonCreate	Creates a person.
ABPersonCreateSearchElement	Returns a search element object that specifies a query for records of this type.
ABPersonCreateWithVCardRepresentation	Returns a new ABPerson object initialized with the given data in vCard format.
ABPersonSetImageData	Sets a person's picture.
ABRecordCopyRecordType	Returns the type of the given record.
ABRecordCopyUniqueId	Returns the unique ID of the receiver.
ABRecordCopyValue	Returns the value of a record property.
ABRecordRemoveValue	Removes the value of a record property.
ABRecordSetValue	Sets the value of a record property.
ABRemoveProperties	Removes the given properties from all the records of this type in the Address Book database, and returns the number of properties successfully removed.
ABRemoveRecord	Removes the specified record from the Address Book database.
ABSave	Saves all the changes made since the last save.
ABSearchElementCreateWithConjunction	Returns a compound search element created by combining the search elements in an array with the given conjunction.
ABSearchElementMatchesRecord	Tests whether or not a record matches a search element.
ABSetMe	Sets the record that represents the logged-in user.
ABTypeOfProperty	Returns the type of a given property for a given record.

Data Types & Constants

All of the new data types and constants in this header file are listed alphabetically, with links to documentation and abstracts, if available.

ABAddressBookRef	Reference to an object used to interact with the Address Book database.
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ABGroupRef	A reference to an ABGroup object.
ABImageClientCallback	Prototype of a callback function used to notify an application when an asynchronous image fetch is complete.
ABMultiValueRef	Reference to a multivalued property.
ABMutableMultiValueRef	Reference to a mutable multivalued property.
ABPersonRef	A reference to an ABPerson object.
ABRecordRef	Reference to a record.
ABSearchElementRef	A reference to an ABSearchElement object.

ABGlobals.h

Functions

All of the new functions in this header file are listed alphabetically, with links to documentation and abstracts, if available.

ABLocalizedPropertyOrLabel	Returns the localized version of a built in property, label, or key.
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Data Types & Constants

All of the new data types and constants in this header file are listed alphabetically, with links to documentation and abstracts, if available.

kABAddressCityKey	City.
kABAddressCountryCodeKey	Country Code.
kABAddressCountryKey	Country, identified by ISO country code. For a list of these codes, see Country Codes.
kABAddressHomeLabel	Home address.
kABAddressProperty	Street addresses. Type: kABMultiDictionaryProperty.
kABAddressStateKey	State.
kABAddressStreetKey	Street.
kABAddressWorkLabel	Work address.
kABAddressZIPKey	Zip.
kABAIMHomeLabel	Home AOL instant messaging ID.

10.2 Symbol Changes

kABAInstantProperty	AOL instant messaging ID. Type: kABMultiStringProperty.
kABAWorkLabel	Work AOL instant messaging ID.
kABBirthdayProperty	Birth date. Type: kABDateProperty.
kABCreationDateProperty	The date when the record was first saved. Type: kABDateProperty.
kABDatabaseChangedExternallyNotification	Another process has changed the AddressBook database.
kABDatabaseChangedNotification	This process has changed the AddressBook database.
kABEmailHomeLabel	Home email.
kABEmailProperty	Email addresses. Type: kABMultiStringProperty.
kABEmailWorkLabel	Work email.
kABFirstNamePhoneticProperty	Phonetic representation of the first name. Type: kABStringProperty.
kABFirstNameProperty	First name. Type: kABStringProperty.
kABGroupNameProperty	Name of the group
kABHomeLabel	All Home labels match this label.
kABHomePageProperty	Home web page. Type: kABStringProperty.
kABICQHomeLabel	Home ICQ instant messaging ID.
kABICQInstantProperty	ICQ instant messaging ID. Type: kABMultiStringProperty.
kABICQWorkLabel	Work ICQ instant messaging ID.
kABJabberHomeLabel	Home Jabber instant messaging ID.
kABJabberInstantProperty	Jabber instant messaging ID. Type: kABMultiStringProperty.
kABJabberWorkLabel	Work Jabber instant messaging ID.
kABJobTitleProperty	Job title. Type: kABStringProperty.
kABLastNamePhoneticProperty	Phonetic representation of the last name. Type: kABStringProperty.
kABLastNameProperty	Last name. Type: kABStringProperty.
kABMaidenNameProperty	Maiden name. Type: kABStringProperty.

10.2 Symbol Changes

kABMiddleNamePhoneticProperty	Phonetic representation of the middle name. Type: kABStringProperty.
kABMiddleNameProperty	Middle name. Type: kABStringProperty.
kABModificationDateProperty	The date when the record was last saved. Type: kABDateProperty.
kABMSNHomeLabel	Home MSN instant messaging ID.
kABMSNInstantProperty	MSN instant messaging ID. Type: kABMultiStringProperty.
kABMSNWorkLabel	Work MSN instant messaging ID.
kABNicknameProperty	Nickname. Type: kABStringProperty.
kABNoteProperty	Notes. Type: kABStringProperty.
kABOrganizationProperty	Company name. Type: kABStringProperty.
kABOtherLabel	All labels other than Home or Work labels match this label.
kABPhoneHomeFAXLabel	Home fax number.
kABPhoneHomeLabel	Home phone number.
kABPhoneMainLabel	Main phone number.
kABPhoneMobileLabel	Cell phone number.
kABPhonePagerLabel	Pager number.
kABPhoneProperty	Generic phone number. Type: kABMultiStringProperty.
kABPhoneWorkFAXLabel	Work fax number.
kABPhoneWorkLabel	Work phone number.
kABSuffixProperty	Suffix, such as "Sr.," "Jr.," "III.," or "Esq." Type: kABStringProperty.
kABTitleProperty	Title, such as "Mr.," "Mrs.," "General," "Cardinal," or "Lord." Type: kABStringProperty.
kABUIDProperty	The unique ID for this record. It's guaranteed never to change, no matter how much the record changes. If you need to store a reference to a record, use this value. Type: kABStringProperty.
kABWorkLabel	All Work labels match this label.
kABYahooHomeLabel	Home Yahoo instant messaging ID.

kABYahooInstantProperty	Yahoo instant messaging ID. Type: kABMultiStringProperty.
kABYahooWorkLabel	Work Yahoo instant messaging ID.

ABTypedefs.h

Data Types & Constants

All of the new data types and constants in this header file are listed alphabetically, with links to documentation and abstracts, if available.

ABPropertyType	Integer that identifies a record property type.
ABSearchComparison	Defines constants used to construct search elements.
ABSearchConjunction	Defines constants used to combine search elements.
kABArrayProperty	This property is an NSArray object.
kABContainsSubString	Search for elements that contain the value.
kABContainsSubStringCaseInsensitive	Search for elements that contain the value, ignoring case.
kABDataProperty	This property is an NSData object.
kABDateProperty	This property is an NSDate object.
kABDictionaryProperty	This property is an NSDictionary object.
kABEqual	Search for elements that are equal to the value.
kABEqualCaseInsensitive	Search for elements that are equal to the value, ignoring case.
kABErrorInProperty	An invalid property was used.
kABGreaterThan	Search for elements that are greater than the value.
kABGreaterThanOrEqual	Search for elements that are greater than or equal to the value.
kABIntegerProperty	This property is an NSNumber object representing an integer.
kABLessThan	Search for elements that are less than the value.
kABLessThanOrEqual	Search for elements that are less than or equal to the value.
kABMultiArrayProperty	This property is an ABMultiValue object containing NSArray objects.

10.2 Symbol Changes

<code>kABMultiDataProperty</code>	This property is an <code>ABMultiValue</code> object containing <code>NSData</code> objects.
<code>kABMultiDateProperty</code>	This property is an <code>ABMultiValue</code> object containing <code>NSDate</code> objects.
<code>kABMultiDictionaryProperty</code>	This property is an <code>ABMultiValue</code> object containing <code>NSDictionary</code> objects.
<code>kABMultiIntegerProperty</code>	This property is an <code>ABMultiValue</code> object containing <code>NSNumber</code> objects representing integers.
<code>kABMultiRealProperty</code>	This property is an <code>ABMultiValue</code> object containing <code>NSNumber</code> objects representing real numbers.
<code>kABMultiStringProperty</code>	This property is an <code>ABMultiValue</code> object containing <code>NSString</code> objects.
<code>kABMultiValueMask</code>	Used by <code>ABPropertyType</code> to specify a multivalue property.
<code>kABNotEqual</code>	Search for elements that are not equal to the value.
<code>kABPrefixMatch</code>	Search for elements that begin with the value.
<code>kABPrefixMatchCaseInsensitive</code>	Search for elements that begin with the value, ignoring case.
<code>kABRealProperty</code>	This property is an <code>NSNumber</code> object representing a real number.
<code>kABSearchAnd</code>	Join the search elements together with the AND operand.
<code>kABSearchOr</code>	Join the search elements together with the OR operand.
<code>kABStringProperty</code>	This property is an <code>NSString</code> object.

Document Revision History

This table describes the changes to *Address Book Reference Update*.

Date	Notes
2008-04-22	Updated with the symbols added to the Address Book framework in Mac OS X v10.6.
2007-07-18	Updated with the symbols added to the Address Book framework in Mac OS X v10.5.
2005-04-29	Added information about additional documentation on the Address Book framework.
	New document that summarizes the symbols added to the Address Book framework in Mac OS X v10.4.

