Address Book / ABPerson

Class

ABPerson

An object that encapsulates all information about a person in the Address Book database.

macOS

```
class ABPerson
```

Overview

An `ABPerson` object corresponds to a single person record in the database. A person object contains the person's name, company, address, email addresses, and phone numbers.

The `ABPerson` class is "toll-free bridged" with its procedural C opaque-type counterpart. This means that the `ABPersonRef` type is interchangeable in function or method calls with instances of the `ABPerson` class.

Topics

Managing Properties

```
class func addPropertiesAndTypes([AnyHashable : Any]!) -> Int
```
    Adds the given properties to all the records of this type in the Address Book database.

```
class func removeProperties([Any]!) -> Int
```
    Removes the given properties from all the records of this type in the Address Book database.

```
class func properties() -> [Any]!
```
Returns an array of the names of all the properties for the record in the Address Book database.

```
class func type(ofProperty: String!) -> ABPropertyType
```
Returns the type of a given property.

Managing Linked People

```
func linkedPeople() -> [Any]!
```
Returns the array of all person records that are linked to the person this record represents.

Managing Groups

```
func parentGroups() -> [Any]!
```
Returns an array of the address book groups that this person belongs to.

Managing Images

```
class func cancelLoadingImageData(forTag: Int)
```
Cancels an asynchronous fetch of the images for a given tag.

```
func beginLoadingImageData(for: (any ABImageClient)!) -> Int
```
Starts an asynchronous fetch for image data in all locations

```
func imageData() -> Data!
```
Returns data that contains a picture of this person.

```
func setImageData(Data!) -> Bool
```
Sets the image for this person to the given data.

Searching

```
class func searchElement(forProperty: String!, label: String!, key:
String!, value: Any!, comparison: ABSearchComparison) -> ABSearch
Element!
```
Returns a search element object that specifies a query for records of this type.

Importing and Exporting vCard Formatted Files

```
init!(VCardRepresentation: Data!)
```
Returns an `ABPerson` instance initialized with the given data.

```
func vCardRepresentation() -> Data!
```
Returns the vCard representation of the person record as a data object in vCard format.

Constants

≔ Person Flags

Settings that determine how person records are displayed.

Relationships

Inherits From

`ABRecord`

Conforms To

```
CVarArg
CustomDebugStringConvertible
CustomStringConvertible
Equatable
Hashable
NSObjectProtocol
```

See Also

Data Types

`class ABGroup`

An object that represents a group of records in the Address Book database.

`class ABMultiValue`

An immutable representation of a property that might have multiple values.

class `ABMutableMultiValue`

A mutable representation of a property that might have multiple values.

protocol `ABImageClient`

Methods for responding to a request to load images associated with a contact.

class `ABRecord`

An abstract class that defines the common properties for all Address Book records.