NSURLCredential Class Reference

Cocoa > Networking

2006-06-28

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

iPhone is a trademark of Apple Inc.

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

NSURLCredential Class Reference 5

Overview 5
Adopted Protocols 5
Tasks 5
  Creating a Credential 5
  Getting Credential Properties 6
Class Methods 6
  credentialWithUser:password:persistence: 6
Instance Methods 7
  hasPassword 7
  initWithUser:password:persistence: 7
  password 8
  persistence 8
  user 8
Constants 9
  NSURLCredentialPersistence 9

Document Revision History 11

Index 13

2006-06-28 | © 2006 Apple Computer, Inc. All Rights Reserved.

2006-06-28 | © 2006 Apple Computer, Inc. All Rights Reserved.

NSURLCredential Class Reference

Inherits from	NSObject
Conforms to	NSCopying NSObject (NSObject)
Framework	/System/Library/Frameworks/Foundation.framework
Availability	Available in Mac OS X v10.2 with Safari 1.0 installed. Available in Mac OS X v10.2.7 and later.
Companion guide	URL Loading System
Declared in	NSURLCredential.h

Overview

`NSURLCredential` is an immutable object representing an authentication credential consisting of the user name, a password and the type of persistent storage to use, if any.

Adopted Protocols

NSCopying
    `copyWithZone:`

Tasks

Creating a Credential

`+ credentialWithUser:password:persistence:` (page 6)
    Creates and returns an `NSURLCredential` object with a given user name and password using a given persistence setting.

`- initWithUser:password:persistence:` (page 7)
    Returns an `NSURLCredential` object initialized with a given user name and password using a given persistence setting.

2006-06-28 | © 2006 Apple Computer, Inc. All Rights Reserved.

Getting Credential Properties

- `hasPassword` (page 7)
  Returns a Boolean value that indicates whether the receiver has a password.
- `password` (page 8)
  Returns the receiver's password.
- `persistence` (page 8)
  Returns the receiver's persistence setting.
- `user` (page 8)
  Returns the receiver's user name.

Class Methods

credentialWithUser:password:persistence:

Creates and returns an `NSURLCredential` object with a given user name and password using a given persistence setting.

```
+ (NSURLCredential *)credentialWithUser:(NSString *)user password:(NSString
    *)password persistence:(NSURLCredentialPersistence)persistence
```

Parameters

user
  The user for the credential.

password
  The password for *user*.

persistence
  The persistence setting for the credential.

Return Value
An `NSURLCredential` object with user name *user*, password *password*, and using persistence setting *persistence*.

Discussion
If *persistence* is `NSURLCredentialPersistencePermanent` the credential is stored in the keychain.

Availability
Available in Mac OS X v10.2 with Safari 1.0 installed.
Available in Mac OS X v10.2.7 and later.

See Also
`- initWithUser:password:persistence:` (page 7)

Declared In
`NSURLCredential.h`

2006-06-28 | © 2006 Apple Computer, Inc. All Rights Reserved.

Instance Methods

hasPassword

Returns a Boolean value that indicates whether the receiver has a password.

```
- (BOOL)hasPassword
```

Return Value
`YES` if the receiver has a password, `NO` otherwise.

Discussion
This method does not attempt to retrieve the password.

If this credential's password is stored in the user's keychain, `password` (page 8) may return `NO` even if this method returns `YES`, since getting the password may fail, or the user may refuse access.

Availability
Available in Mac OS X v10.2 with Safari 1.0 installed.
Available in Mac OS X v10.2.7 and later.

Declared In
`NSURLCredential.h`

initWithUser:password:persistence:

Returns an `NSURLCredential` object initialized with a given user name and password using a given persistence setting.

```
- (id)initWithUser:(NSString *)user password:(NSString *)password
    persistence:(NSURLCredentialPersistence)persistence
```

Parameters

user
The user for the credential.

password
The password for *user*.

persistence
The persistence setting for the credential.

Return Value
An `NSURLCredential` object initialized with user name *user*, password *password*, and using persistence setting *persistence*.

Discussion
If *persistence* is `NSURLCredentialPersistencePermanent` the credential is stored in the keychain.

Availability
Available in Mac OS X v10.2 with Safari 1.0 installed.
Available in Mac OS X v10.2.7 and later.

2006-06-28 | © 2006 Apple Computer, Inc. All Rights Reserved.

See Also
`+ credentialWithUser:password:persistence:` (page 6)

Declared In
`NSURLCredential.h`

password

Returns the receiver's password.

```
- (NSString *)password
```

Return Value
The receiver's password.

Discussion
If the password is stored in the user's keychain, this method may result in prompting the user for access.

Availability
Available in Mac OS X v10.2 with Safari 1.0 installed.
Available in Mac OS X v10.2.7 and later.

See Also
`- hasPassword` (page 7)

Declared In
`NSURLCredential.h`

persistence

Returns the receiver's persistence setting.

```
- (NSURLCredentialPersistence)persistence
```

Return Value
The receiver's persistence setting.

Availability
Available in Mac OS X v10.2 with Safari 1.0 installed.
Available in Mac OS X v10.2.7 and later.

Declared In
`NSURLCredential.h`

user

Returns the receiver's user name.

```
- (NSString *)user
```

Return Value
The receiver's user name.

2006-06-28 | © 2006 Apple Computer, Inc. All Rights Reserved.

Availability
Available in Mac OS X v10.2 with Safari 1.0 installed.
Available in Mac OS X v10.2.7 and later.

Declared In
`NSURLCredential.h`

Constants

NSURLCredentialPersistence

These constants specify how long the credential will be kept.

```
typedef enum {
    NSURLCredentialPersistenceNone,
    NSURLCredentialPersistenceForSession,
    NSURLCredentialPersistencePermanent
} NSURLCredentialPersistence;
```

Constants

`NSURLCredentialPersistenceNone`
Credential won't be stored.
Available in Mac OS X v10.2 and later.
Declared in `NSURLCredential.h`.

`NSURLCredentialPersistenceForSession`
Credential will be stored only for this session.
Available in Mac OS X v10.2 and later.
Declared in `NSURLCredential.h`.

`NSURLCredentialPersistencePermanent`
Credential will be stored in the user's keychain and shared with other applications.
Available in Mac OS X v10.2 and later.
Declared in `NSURLCredential.h`.

Availability
Available in Mac OS X v10.2 with Safari 1.0 installed.
Available in Mac OS X v10.2.7 and later.

Declared In
`NSURLCredential.h`

2006-06-28 | © 2006 Apple Computer, Inc. All Rights Reserved.

2006-06-28 | © 2006 Apple Computer, Inc. All Rights Reserved.

Document Revision History

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

Date	Notes
2006-06-28	Updated the Constants section to conform to reference consistency guidelines.
2006-05-23	First publication of this content as a separate document.

2006-06-28 | © 2006 Apple Computer, Inc. All Rights Reserved.

Document Revision History

2006-06-28 | © 2006 Apple Computer, Inc. All Rights Reserved.

Index

C

`credentialWithUser:password:persistence:` class method 6

H

`hasPassword` instance method 7

I

`initWithUser:password:persistence:` instance method 7

N

`NSURLCredentialPersistence` data type 9
`NSURLCredentialPersistenceForSession` constant 9
`NSURLCredentialPersistenceNone` constant 9
`NSURLCredentialPersistencePermanent` constant 9

P

`password` instance method 8
`persistence` instance method 8

U

`user` instance method 8

2006-06-28 | © 2006 Apple Computer, Inc. All Rights Reserved.