NSURLCredentialStorage Class Reference

Cocoa > Networking

2006-05-23

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Contents

NSURLCredentialStorage Class Reference 5

Overview 5
Tasks 5
  Getting the Credential Storage 5
  Getting and Setting Default Credentials 5
  Adding and Removing Credentials 5
  Retrieving Credentials 6
Class Methods 6
  sharedCredentialStorage 6
Instance Methods 6
  allCredentials 6
  credentialsForProtectionSpace: 7
  defaultCredentialForProtectionSpace: 7
  removeCredential:forProtectionSpace: 8
  setCredential:forProtectionSpace: 8
  setDefaultCredential:forProtectionSpace: 9
Notifications 9
  NSURLCredentialStorageChangedNotification 9

Document Revision History 11

Index 13

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NSURLCredentialStorage Class Reference

Inherits from	NSObject
Conforms to	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	NSURLCredentialStorage.h

Overview

NSURLCredentialStorage implements a singleton (shared object) that manages the credential storage.

Tasks

Getting the Credential Storage

`+ sharedCredentialStorage` (page 6)
Returns the shared URL credential storage object.

Getting and Setting Default Credentials

`- defaultCredentialForProtectionSpace:` (page 7)
Returns the default credential for the specified *protectionSpace*.

`- setDefaultCredential:forProtectionSpace:` (page 9)
Sets the default credential for a specified protection space.

Adding and Removing Credentials

`- removeCredential:forProtectionSpace:` (page 8)
Removes a specified credential from the credential storage for the specified protection space.

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- `setCredential:forProtectionSpace:` (page 8)
  Adds *credential* to the credential storage for the specified *protectionSpace*.

Retrieving Credentials

- `allCredentials` (page 6)
  Returns a dictionary containing the credentials for all available protection spaces.
- `credentialsForProtectionSpace:` (page 7)
  Returns a dictionary containing the credentials for the specified protection space.

Class Methods

sharedCredentialStorage

Returns the shared URL credential storage object.

```
+ (NSURLCredentialStorage *)sharedCredentialStorage
```

Return Value
The shared NSURLCredentialStorage object.

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
`NSURLCredentialStorage.h`

Instance Methods

allCredentials

Returns a dictionary containing the credentials for all available protection spaces.

```
- (NSDictionary *)allCredentials
```

Return Value
A dictionary containing the credentials for all available protection spaces. The dictionary has keys corresponding to the `NSURLProtectionSpace` objects. The values for the `NSURLProtectionSpace` keys consist of dictionaries where the keys are user name strings, and the value is the corresponding `NSURLCredential` object.

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

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See Also
- credentialsForProtectionSpace: (page 7)

Declared In
NSURLCredentialStorage.h

credentialsForProtectionSpace:

Returns a dictionary containing the credentials for the specified protection space.

```
- (NSDictionary *)credentialsForProtectionSpace:(NSURLProtectionSpace
    *)protectionSpace
```

Parameters

protectionSpace

The protection space whose credentials you want to retrieve.

Return Value
A dictionary containing the credentials for *protectionSpace*. The dictionary's keys are user name strings, and the value is the corresponding NSURLCredential.

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
- allCredentials (page 6)

Declared In
NSURLCredentialStorage.h

defaultCredentialForProtectionSpace:

Returns the default credential for the specified *protectionSpace*.

```
- (NSURLCredential *)defaultCredentialForProtectionSpace:(NSURLProtectionSpace
    *)protectionSpace
```

Parameters

protectionSpace

The URL protection space of interest.

Return Value
The default credential for *protectionSpace* or nil if no default has been set.

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
- setDefaultCredential:forProtectionSpace: (page 9)

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Declared In
NSURLCredentialStorage.h

removeCredential:forProtectionSpace:

Removes a specified credential from the credential storage for the specified protection space.

```
- (void)removeCredential:(NSURLCredential *)credential
    forProtectionSpace:(NSURLProtectionSpace *)protectionSpace
```

Parameters

credential

The credential to remove.

protectionSpace

The protection space from which to remove the credential.

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
- setCredential:forProtectionSpace: (page 8)

Declared In
NSURLCredentialStorage.h

setCredential:forProtectionSpace:

Adds *credential* to the credential storage for the specified *protectionSpace*.

```
- (void)setCredential:(NSURLCredential *)credential
    forProtectionSpace:(NSURLProtectionSpace *)protectionSpace
```

Parameters

credential

The credential to add. If a credential with the same user name already exists in *protectionSpace*, then *credential* replaces the existing object.

protectionSpace

The protection space to which to add the credential.

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
- removeCredential:forProtectionSpace: (page 8)

Declared In
NSURLCredentialStorage.h

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setDefaultCredential:forProtectionSpace:

Sets the default credential for a specified protection space.

```
- (void)setDefaultCredential:(NSURLCredential *)credential
    forProtectionSpace:(NSURLProtectionSpace *)protectionSpace
```

Parameters

credential

The URL credential to set as the default for *protectionSpace*. If the receiver does not contain *credential* in the specified *protectionSpace* it will be added.

protectionSpace

The protection space whose default credential is being set.

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

- defaultCredentialForProtectionSpace: (page 7)

Declared In

NSURLCredentialStorage.h

Notifications

NSURLCredentialStorageChangedNotification

This notification is posted when the set of stored credentials changes.

The notification object is the NSURLCredentialStorage instance. This notification does not contain a userInfo dictionary.

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

NSURLCredentialStorage.h

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Document Revision History

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

Date	Notes
2006-05-23	Expanded description of defaultCredentialForProtectionSpace:.
	First publication of this content as a separate document.

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Document Revision History

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Index

A

`allCredentials` instance method 6

C

`credentialsForProtectionSpace:` instance method 7

D

`defaultCredentialForProtectionSpace:` instance method 7

N

`NSURLCredentialStorageChangedNotification` notification 9

R

`removeCredential:forProtectionSpace:` instance method 8

S

`setCredential:forProtectionSpace:` instance method 8
`setDefaultCredential:forProtectionSpace:` instance method 9
`sharedCredentialStorage` class method 6

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