
NSCachedURLResponse Class Reference

Networking, Internet, & Web: Protocol Streams





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NSCachedURLResponse Class Reference

Inherits from	NSObject
Conforms to	NSCoding 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	NSURLCache.h
Related sample code	URL CacheInfo

Overview

An `NSCachedURLResponse` object encapsulates an `NSURLResponse` object, an `NSData` object containing the content corresponding to the response, and an `NSDictionary` containing application specific information.

The `NSURLCache` system stores and retrieves instances of `NSCachedURLResponse`.

Tasks

Creating a Cached URL Response

- [initWithResponse:data:](#) (page 6)
Initializes an `NSCachedURLResponse` object.
- [initWithResponse:data:userInfo:storagePolicy:](#) (page 7)
Initializes an `NSCachedURLResponse` object.

Getting Cached URL Response Properties

- [data](#) (page 6)
Returns the receiver's cached data.

- [response](#) (page 7)
Returns the `NSURLResponse` object associated with the receiver.
- [storagePolicy](#) (page 8)
Returns the receiver's cache storage policy.
- [userInfo](#) (page 8)
Returns the receiver's user info dictionary.

Instance Methods

data

Returns the receiver's cached data.

```
- (NSData *)data
```

Return Value

The receiver's cached data.

Availability

Available in Mac OS X v10.2 with Safari 1.0 installed.

Available in Mac OS X v10.2.7 and later.

Related Sample Code

URL CacheInfo

Declared In

`NSURLCache.h`

initWithResponse:data:

Initializes an `NSCachedURLResponse` object.

```
- (id)initWithResponse:(NSURLResponse *)response data:(NSData *)data
```

Parameters

response

The response to cache.

data

The data to cache.

Return Value

The `NSCachedURLResponse` object, initialized using the given data.

Discussion

The cache storage policy is set to the default, `NSURLCacheStorageAllowed`, and the user info dictionary is set to `nil`.

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

- [initWithResponse:data:userInfo:storagePolicy:](#) (page 7)

Declared In

NSURLCache.h

initWithResponse:data:userInfo:storagePolicy:

Initializes an NSCachedURLResponse object.

```
- (id)initWithResponse:(NSURLResponse *)response data:(NSData *)data
  userInfo:(NSDictionary *)userInfo
  storagePolicy:(NSURLCacheStoragePolicy)storagePolicy
```

Parameters

response

The response to cache.

data

The data to cache.

userInfo

An optional dictionary of user information. May be nil.

storagePolicy

The storage policy for the cached response.

Return Value

The NSCachedURLResponse object, initialized using the given data.

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

- [initWithResponse:data:](#) (page 6)

Related Sample Code

URL CacheInfo

Declared In

NSURLCache.h

response

Returns the NSURLResponse object associated with the receiver.

```
- (NSURLResponse *)response
```

Return Value

The NSURLResponse object associated with the receiver.

Availability

Available in Mac OS X v10.2 with Safari 1.0 installed.

Available in Mac OS X v10.2.7 and later.

Related Sample Code

URL CacheInfo

Declared In

NSURLCache.h

storagePolicy

Returns the receiver's cache storage policy.

- (NSURLCacheStoragePolicy)storagePolicy

Return Value

The receiver's cache storage policy.

Availability

Available in Mac OS X v10.2 with Safari 1.0 installed.

Available in Mac OS X v10.2.7 and later.

Related Sample Code

URL CacheInfo

Declared In

NSURLCache.h

userInfo

Returns the receiver's user info dictionary.

- (NSDictionary *)userInfo

Return Value

An NSDictionary object containing the receiver's user info, or nil if there is no such 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

NSURLCache.h

Constants

NSURLCacheStoragePolicy

These constants specify the caching strategy used by an `NSCachedURLResponse` object.

```
typedef enum
{
    NSURLCacheStorageAllowed,
    NSURLCacheStorageAllowedInMemoryOnly,
    NSURLCacheStorageNotAllowed,
} NSURLCacheStoragePolicy;
```

Constants

`NSURLCacheStorageAllowed`

Specifies that storage in `NSURLCache` is allowed without restriction.

Important: iPhone OS ignores this cache policy, and instead treats it as `NSURLCacheStorageAllowedInMemoryOnly`.

Available in Mac OS X v10.2 and later.

Declared in `NSURLCache.h`.

`NSURLCacheStorageAllowedInMemoryOnly`

Specifies that storage in `NSURLCache` is allowed; however storage should be restricted to memory only.

Available in Mac OS X v10.2 and later.

Declared in `NSURLCache.h`.

`NSURLCacheStorageNotAllowed`

Specifies that storage in `NSURLCache` is not allowed in any fashion, either in memory or on disk.

Available in Mac OS X v10.2 and later.

Declared in `NSURLCache.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

`NSURLCache.h`

Document Revision History

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

Date	Notes
2008-05-02	Added note that NSURLCacheStorageAllowed has no effect on iPhone OS.
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.

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