
NSErrorRecoveryAttempting Protocol Reference

[Cocoa > Design Guidelines](#)



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NSErrorRecoveryAttempting Protocol Reference

(informal protocol)

Framework	/System/Library/Frameworks/Foundation.framework
Declared in	NSError.h

Overview

The `NSErrorRecoveryAttempting` informal protocol provides methods that allow your application to attempt to recover from an error. These methods are invoked when an `NSError` object is returned that specifies the implementing object as the error `recoveryAttempter` and the user has selected one of the error's localized recovery options.

Which method is invoked is dependent on how the error is presented to the user. If the error is presented in a document-modal sheet, [`attemptRecoveryFromError:optionIndex:delegate:didRecoverSelector:contextInfo:`](#) (page 6) is invoked. If the error is presented in an application-modal dialog, [`attemptRecoveryFromError:optionIndex:`](#) (page 5) is invoked.

Tasks

Attempting Recovery From Errors

- [`attemptRecoveryFromError:optionIndex:delegate:didRecoverSelector:contextInfo:`](#) (page 6)
 - Implemented to attempt a recovery from an error noted in a document-modal sheet.
- [`attemptRecoveryFromError:optionIndex:`](#) (page 5)
 - Implemented to attempt a recovery from an error noted in an application-modal dialog.

Instance Methods

`attemptRecoveryFromError:optionIndex:`

Implemented to attempt a recovery from an error noted in an application-modal dialog.

- (BOOL)`attemptRecoveryFromError:(NSError *)error
optionIndex:(NSInteger)recoveryOptionIndex`

Parameters

error

An NSError object that describes the error, including error recovery options.

recoveryOptionIndex

The index of the user selected recovery option in *error*'s localized recovery array.

Return Value

YES if the error recovery was completed successfully, NO otherwise.

Discussion

Invoked when an error alert is been presented to the user in an application-modal dialog, and the user has selected an error recovery option specified by *error*.

Availability

Available in Mac OS X v10.4 and later.

Declared In

NSError.h

attemptRecoveryFromError:optionIndex:delegate:didRecoverSelector:contextInfo:

Implemented to attempt a recovery from an error noted in an document-modal sheet.

```
- (void)attemptRecoveryFromError:(NSError *)error
    optionIndex:(NSUInteger)recoveryOptionIndex delegate:(id)delegate
    didRecoverSelector:(SEL)didRecoverSelector contextInfo:(void *)contextInfo
```

Parameters

error

An NSError object that describes the error, including error recovery options.

recoveryOptionIndex

The index of the user selected recovery option in *error*'s localized recovery array.

delegate

An object that is the modal delegate.

didRecoverSelector

A selector identifying the method implemented by the modal delegate.

contextInfo

Arbitrary data associated with the attempt at error recovery, to be passed to *delegate* in *didRecoverSelector*.

Discussion

Invoked when an error alert is presented to the user in a document-modal sheet, and the user has selected an error recovery option specified by *error*. After recovery is attempted, your implementation should send *delegate* the message specified in *didRecoverSelector*, passing the provided *contextInfo*.

The *didRecoverSelector* should have the following signature:

```
- (void)didPresentErrorWithRecovery:(BOOL)didRecover contextInfo:(void *)contextInfo;
```

where *didRecover* is YES if the error recovery attempt was successful; otherwise it is NO.

Availability

Available in Mac OS X v10.4 and later.

Declared In

NSError.h

Document Revision History

This table describes the changes to *NSErrorRecoveryAttempting Protocol Reference*.

Date	Notes
2007-02-23	Revised task heading.
2006-05-23	First publication of this content as a separate document.

REVISION HISTORY

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A

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 didRecoverSelector:contextInfo: <NSObject>
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