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# NSStreamDelegate Protocol Reference

Data Management: File Management



2009-04-20



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Apple Inc.  
1 Infinite Loop  
Cupertino, CA 95014  
408-996-1010

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# NSStreamDelegate Protocol Reference

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<b>Conforms to</b>	NSObject
<b>Framework</b>	/System/Library/Frameworks/Foundation.framework
<b>Availability</b>	Available in Mac OS X v10.6 and later.
<b>Companion guide</b>	Stream Programming Guide for Cocoa
<b>Declared in</b>	NSStream.h
<b>Related sample code</b>	PictureSharingBrowser

## Overview

The `NSStreamDelegate` protocol defines the optional methods implemented by delegates of `NSStream` objects.

## Tasks

### Using Streams

- [stream:handleEvent:](#) (page 5)  
The delegate receives this message when a given event has occurred on a given stream.

## Instance Methods

### **stream:handleEvent:**

The delegate receives this message when a given event has occurred on a given stream.

```
- (void)stream:(NSStream *)theStream handleEvent:(NSStreamEvent)streamEvent
```

#### **Parameters**

*theStream*

The stream on which *streamEvent* occurred.

*streamEvent*

The stream event that occurred,

**Discussion**

The delegate receives this message only if *theStream* is scheduled on a run loop. The message is sent on the stream object's thread. The delegate should examine *streamEvent* to determine the appropriate action it should take.

**Availability**

Available in Mac OS X v10.3 and later.

Available as part of an informal protocol prior to Mac OS X v10.6.

**Declared In**

NSStream.h

# Document Revision History

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

Date	Notes
2009-04-20	New document that describes the protocol that defines the methods for delegates of NSStream objects.

## REVISION HISTORY

### Document Revision History