| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/IOException.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/java/io/IOError.html)   [**NEXT CLASS**](http://docs.google.com/java/io/LineNumberInputStream.html) | [**FRAMES**](http://docs.google.com/index.html?java/io/IOException.html)    [**NO FRAMES**](http://docs.google.com/IOException.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#tyjcwt) | DETAIL: FIELD | [CONSTR](#1t3h5sf) | METHOD |

## **java.io**

Class IOException

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [java.lang.Throwable](http://docs.google.com/java/lang/Throwable.html)  
 [java.lang.Exception](http://docs.google.com/java/lang/Exception.html)  
 **java.io.IOException**

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html) **Direct Known Subclasses:** [ChangedCharSetException](http://docs.google.com/javax/swing/text/ChangedCharSetException.html), [CharacterCodingException](http://docs.google.com/java/nio/charset/CharacterCodingException.html), [CharConversionException](http://docs.google.com/java/io/CharConversionException.html), [ClosedChannelException](http://docs.google.com/java/nio/channels/ClosedChannelException.html), [EOFException](http://docs.google.com/java/io/EOFException.html), [FileLockInterruptionException](http://docs.google.com/java/nio/channels/FileLockInterruptionException.html), [FileNotFoundException](http://docs.google.com/java/io/FileNotFoundException.html), [FilerException](http://docs.google.com/javax/annotation/processing/FilerException.html), [HttpRetryException](http://docs.google.com/java/net/HttpRetryException.html), [IIOException](http://docs.google.com/javax/imageio/IIOException.html), [InterruptedIOException](http://docs.google.com/java/io/InterruptedIOException.html), [InvalidPropertiesFormatException](http://docs.google.com/java/util/InvalidPropertiesFormatException.html), [JMXProviderException](http://docs.google.com/javax/management/remote/JMXProviderException.html), [JMXServerErrorException](http://docs.google.com/javax/management/remote/JMXServerErrorException.html), [MalformedURLException](http://docs.google.com/java/net/MalformedURLException.html), [ObjectStreamException](http://docs.google.com/java/io/ObjectStreamException.html), [ProtocolException](http://docs.google.com/java/net/ProtocolException.html), [RemoteException](http://docs.google.com/java/rmi/RemoteException.html), [SaslException](http://docs.google.com/javax/security/sasl/SaslException.html), [SocketException](http://docs.google.com/java/net/SocketException.html), [SSLException](http://docs.google.com/javax/net/ssl/SSLException.html), [SyncFailedException](http://docs.google.com/java/io/SyncFailedException.html), [UnknownHostException](http://docs.google.com/java/net/UnknownHostException.html), [UnknownServiceException](http://docs.google.com/java/net/UnknownServiceException.html), [UnsupportedDataTypeException](http://docs.google.com/javax/activation/UnsupportedDataTypeException.html), [UnsupportedEncodingException](http://docs.google.com/java/io/UnsupportedEncodingException.html), [UTFDataFormatException](http://docs.google.com/java/io/UTFDataFormatException.html), [ZipException](http://docs.google.com/java/util/zip/ZipException.html)

public class **IOException**extends [Exception](http://docs.google.com/java/lang/Exception.html)

Signals that an I/O exception of some sort has occurred. This class is the general class of exceptions produced by failed or interrupted I/O operations.

**Since:** JDK1.0 **See Also:**[InputStream](http://docs.google.com/java/io/InputStream.html), [OutputStream](http://docs.google.com/java/io/OutputStream.html), [Serialized Form](http://docs.google.com/serialized-form.html#java.io.IOException)

| **Constructor Summary** | |
| --- | --- |
| [**IOException**](http://docs.google.com/java/io/IOException.html#IOException())()            Constructs an IOException with null as its error detail message. |
| [**IOException**](http://docs.google.com/java/io/IOException.html#IOException(java.lang.String))([String](http://docs.google.com/java/lang/String.html) message)            Constructs an IOException with the specified detail message. |
| [**IOException**](http://docs.google.com/java/io/IOException.html#IOException(java.lang.String,%20java.lang.Throwable))([String](http://docs.google.com/java/lang/String.html) message, [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs an IOException with the specified detail message and cause. |
| [**IOException**](http://docs.google.com/java/io/IOException.html#IOException(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)            Constructs an IOException with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause). |

| **Method Summary** | |
| --- | --- |

| **Methods inherited from class java.lang.**[**Throwable**](http://docs.google.com/java/lang/Throwable.html) |
| --- |
| [fillInStackTrace](http://docs.google.com/java/lang/Throwable.html#fillInStackTrace()), [getCause](http://docs.google.com/java/lang/Throwable.html#getCause()), [getLocalizedMessage](http://docs.google.com/java/lang/Throwable.html#getLocalizedMessage()), [getMessage](http://docs.google.com/java/lang/Throwable.html#getMessage()), [getStackTrace](http://docs.google.com/java/lang/Throwable.html#getStackTrace()), [initCause](http://docs.google.com/java/lang/Throwable.html#initCause(java.lang.Throwable)), [printStackTrace](http://docs.google.com/java/lang/Throwable.html#printStackTrace()), [printStackTrace](http://docs.google.com/java/lang/Throwable.html#printStackTrace(java.io.PrintStream)), [printStackTrace](http://docs.google.com/java/lang/Throwable.html#printStackTrace(java.io.PrintWriter)), [setStackTrace](http://docs.google.com/java/lang/Throwable.html#setStackTrace(java.lang.StackTraceElement%5B%5D)), [toString](http://docs.google.com/java/lang/Throwable.html#toString()) |

| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/java/lang/Object.html) |
| --- |
| [clone](http://docs.google.com/java/lang/Object.html#clone()), [equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [hashCode](http://docs.google.com/java/lang/Object.html#hashCode()), [notify](http://docs.google.com/java/lang/Object.html#notify()), [notifyAll](http://docs.google.com/java/lang/Object.html#notifyAll()), [wait](http://docs.google.com/java/lang/Object.html#wait()), [wait](http://docs.google.com/java/lang/Object.html#wait(long)), [wait](http://docs.google.com/java/lang/Object.html#wait(long,%20int)) |

| **Constructor Detail** |
| --- |

### IOException

public **IOException**()

Constructs an IOException with null as its error detail message.

### IOException

public **IOException**([String](http://docs.google.com/java/lang/String.html) message)

Constructs an IOException with the specified detail message.

**Parameters:**message - The detail message (which is saved for later retrieval by the [Throwable.getMessage()](http://docs.google.com/java/lang/Throwable.html#getMessage()) method)

### IOException

public **IOException**([String](http://docs.google.com/java/lang/String.html) message,  
 [Throwable](http://docs.google.com/java/lang/Throwable.html) cause)

Constructs an IOException with the specified detail message and cause.

Note that the detail message associated with cause is *not* automatically incorporated into this exception's detail message.

**Parameters:**message - The detail message (which is saved for later retrieval by the [Throwable.getMessage()](http://docs.google.com/java/lang/Throwable.html#getMessage()) method)cause - The cause (which is saved for later retrieval by the [Throwable.getCause()](http://docs.google.com/java/lang/Throwable.html#getCause()) method). (A null value is permitted, and indicates that the cause is nonexistent or unknown.)**Since:** 1.6

### IOException

public **IOException**([Throwable](http://docs.google.com/java/lang/Throwable.html) cause)

Constructs an IOException with the specified cause and a detail message of (cause==null ? null : cause.toString()) (which typically contains the class and detail message of cause). This constructor is useful for IO exceptions that are little more than wrappers for other throwables.

**Parameters:**cause - The cause (which is saved for later retrieval by the [Throwable.getCause()](http://docs.google.com/java/lang/Throwable.html#getCause()) method). (A null value is permitted, and indicates that the cause is nonexistent or unknown.)**Since:** 1.6

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/IOException.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
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[Submit a bug or feature](http://bugs.sun.com/services/bugreport/index.jsp)

For further API reference and developer documentation, see [Java SE Developer Documentation](http://docs.google.com/webnotes/devdocs-vs-specs.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

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