| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/nio/channels/Channel.html) | **Use** | [**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   NEXT | [**FRAMES**](http://docs.google.com/index.html?java/nio/channels//class-useChannel.html)    [**NO FRAMES**](http://docs.google.com/Channel.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Interface**

**java.nio.channels.Channel**

| Packages that use [Channel](http://docs.google.com/java/nio/channels/Channel.html) | |
| --- | --- |
| [**java.lang**](#3znysh7) | Provides classes that are fundamental to the design of the Java programming language. |
| [**java.nio.channels**](#2et92p0) | Defines channels, which represent connections to entities that are capable of performing I/O operations, such as files and sockets; defines selectors, for multiplexed, non-blocking I/O operations. |
| [**java.nio.channels.spi**](#tyjcwt) | Service-provider classes for the [java.nio.channels](http://docs.google.com/java/nio/channels/package-summary.html) package. |

| Uses of [Channel](http://docs.google.com/java/nio/channels/Channel.html) in [java.lang](http://docs.google.com/java/lang/package-summary.html) | |
| --- | --- |

| Methods in [java.lang](http://docs.google.com/java/lang/package-summary.html) that return [Channel](http://docs.google.com/java/nio/channels/Channel.html) | |
| --- | --- |
| static [Channel](http://docs.google.com/java/nio/channels/Channel.html) | **System.**[**inheritedChannel**](http://docs.google.com/java/lang/System.html#inheritedChannel())()            Returns the channel inherited from the entity that created this Java virtual machine. |

| Uses of [Channel](http://docs.google.com/java/nio/channels/Channel.html) in [java.nio.channels](http://docs.google.com/java/nio/channels/package-summary.html) | |
| --- | --- |

| Subinterfaces of [Channel](http://docs.google.com/java/nio/channels/Channel.html) in [java.nio.channels](http://docs.google.com/java/nio/channels/package-summary.html) | |
| --- | --- |
| interface | [**ByteChannel**](http://docs.google.com/java/nio/channels/ByteChannel.html)            A channel that can read and write bytes. |
| interface | [**GatheringByteChannel**](http://docs.google.com/java/nio/channels/GatheringByteChannel.html)            A channel that can write bytes from a sequence of buffers. |
| interface | [**InterruptibleChannel**](http://docs.google.com/java/nio/channels/InterruptibleChannel.html)            A channel that can be asynchronously closed and interrupted. |
| interface | [**ReadableByteChannel**](http://docs.google.com/java/nio/channels/ReadableByteChannel.html)            A channel that can read bytes. |
| interface | [**ScatteringByteChannel**](http://docs.google.com/java/nio/channels/ScatteringByteChannel.html)            A channel that can read bytes into a sequence of buffers. |
| interface | [**WritableByteChannel**](http://docs.google.com/java/nio/channels/WritableByteChannel.html)            A channel that can write bytes. |

| Classes in [java.nio.channels](http://docs.google.com/java/nio/channels/package-summary.html) that implement [Channel](http://docs.google.com/java/nio/channels/Channel.html) | |
| --- | --- |
| class | [**DatagramChannel**](http://docs.google.com/java/nio/channels/DatagramChannel.html)            A selectable channel for datagram-oriented sockets. |
| class | [**FileChannel**](http://docs.google.com/java/nio/channels/FileChannel.html)            A channel for reading, writing, mapping, and manipulating a file. |
| static class | [**Pipe.SinkChannel**](http://docs.google.com/java/nio/channels/Pipe.SinkChannel.html)            A channel representing the writable end of a [Pipe](http://docs.google.com/java/nio/channels/Pipe.html). |
| static class | [**Pipe.SourceChannel**](http://docs.google.com/java/nio/channels/Pipe.SourceChannel.html)            A channel representing the readable end of a [Pipe](http://docs.google.com/java/nio/channels/Pipe.html). |
| class | [**SelectableChannel**](http://docs.google.com/java/nio/channels/SelectableChannel.html)            A channel that can be multiplexed via a [Selector](http://docs.google.com/java/nio/channels/Selector.html). |
| class | [**ServerSocketChannel**](http://docs.google.com/java/nio/channels/ServerSocketChannel.html)            A selectable channel for stream-oriented listening sockets. |
| class | [**SocketChannel**](http://docs.google.com/java/nio/channels/SocketChannel.html)            A selectable channel for stream-oriented connecting sockets. |

| Uses of [Channel](http://docs.google.com/java/nio/channels/Channel.html) in [java.nio.channels.spi](http://docs.google.com/java/nio/channels/spi/package-summary.html) | |
| --- | --- |

| Classes in [java.nio.channels.spi](http://docs.google.com/java/nio/channels/spi/package-summary.html) that implement [Channel](http://docs.google.com/java/nio/channels/Channel.html) | |
| --- | --- |
| class | [**AbstractInterruptibleChannel**](http://docs.google.com/java/nio/channels/spi/AbstractInterruptibleChannel.html)            Base implementation class for interruptible channels. |
| class | [**AbstractSelectableChannel**](http://docs.google.com/java/nio/channels/spi/AbstractSelectableChannel.html)            Base implementation class for selectable channels. |

| Methods in [java.nio.channels.spi](http://docs.google.com/java/nio/channels/spi/package-summary.html) that return [Channel](http://docs.google.com/java/nio/channels/Channel.html) | |
| --- | --- |
| [Channel](http://docs.google.com/java/nio/channels/Channel.html) | **SelectorProvider.**[**inheritedChannel**](http://docs.google.com/java/nio/channels/spi/SelectorProvider.html#inheritedChannel())()            Returns the channel inherited from the entity that created this Java virtual machine. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/nio/channels/Channel.html) | **Use** | [**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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