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

Hierarchy For Package java.nio.channels

**Package Hierarchies:**[All Packages](http://docs.google.com/overview-tree.html)

## Class Hierarchy

* java.lang.[**Object**](http://docs.google.com/java/lang/Object.html)
  + java.nio.channels.spi.[**AbstractInterruptibleChannel**](http://docs.google.com/java/nio/channels/spi/AbstractInterruptibleChannel.html) (implements java.nio.channels.[Channel](http://docs.google.com/java/nio/channels/Channel.html), java.nio.channels.[InterruptibleChannel](http://docs.google.com/java/nio/channels/InterruptibleChannel.html))
    - java.nio.channels.[**FileChannel**](http://docs.google.com/java/nio/channels/FileChannel.html) (implements java.nio.channels.[ByteChannel](http://docs.google.com/java/nio/channels/ByteChannel.html), java.nio.channels.[GatheringByteChannel](http://docs.google.com/java/nio/channels/GatheringByteChannel.html), java.nio.channels.[ScatteringByteChannel](http://docs.google.com/java/nio/channels/ScatteringByteChannel.html))
    - java.nio.channels.[**SelectableChannel**](http://docs.google.com/java/nio/channels/SelectableChannel.html) (implements java.nio.channels.[Channel](http://docs.google.com/java/nio/channels/Channel.html))
      * java.nio.channels.spi.[**AbstractSelectableChannel**](http://docs.google.com/java/nio/channels/spi/AbstractSelectableChannel.html)
        + java.nio.channels.[**DatagramChannel**](http://docs.google.com/java/nio/channels/DatagramChannel.html) (implements java.nio.channels.[ByteChannel](http://docs.google.com/java/nio/channels/ByteChannel.html), java.nio.channels.[GatheringByteChannel](http://docs.google.com/java/nio/channels/GatheringByteChannel.html), java.nio.channels.[ScatteringByteChannel](http://docs.google.com/java/nio/channels/ScatteringByteChannel.html))
        + java.nio.channels.[**Pipe.SinkChannel**](http://docs.google.com/java/nio/channels/Pipe.SinkChannel.html) (implements java.nio.channels.[GatheringByteChannel](http://docs.google.com/java/nio/channels/GatheringByteChannel.html), java.nio.channels.[WritableByteChannel](http://docs.google.com/java/nio/channels/WritableByteChannel.html))
        + java.nio.channels.[**Pipe.SourceChannel**](http://docs.google.com/java/nio/channels/Pipe.SourceChannel.html) (implements java.nio.channels.[ReadableByteChannel](http://docs.google.com/java/nio/channels/ReadableByteChannel.html), java.nio.channels.[ScatteringByteChannel](http://docs.google.com/java/nio/channels/ScatteringByteChannel.html))
        + java.nio.channels.[**ServerSocketChannel**](http://docs.google.com/java/nio/channels/ServerSocketChannel.html)
        + java.nio.channels.[**SocketChannel**](http://docs.google.com/java/nio/channels/SocketChannel.html) (implements java.nio.channels.[ByteChannel](http://docs.google.com/java/nio/channels/ByteChannel.html), java.nio.channels.[GatheringByteChannel](http://docs.google.com/java/nio/channels/GatheringByteChannel.html), java.nio.channels.[ScatteringByteChannel](http://docs.google.com/java/nio/channels/ScatteringByteChannel.html))
  + java.nio.channels.[**Channels**](http://docs.google.com/java/nio/channels/Channels.html)
  + java.nio.channels.[**FileChannel.MapMode**](http://docs.google.com/java/nio/channels/FileChannel.MapMode.html)
  + java.nio.channels.[**FileLock**](http://docs.google.com/java/nio/channels/FileLock.html)
  + java.nio.channels.[**Pipe**](http://docs.google.com/java/nio/channels/Pipe.html)
  + java.nio.channels.[**SelectionKey**](http://docs.google.com/java/nio/channels/SelectionKey.html)
  + java.nio.channels.[**Selector**](http://docs.google.com/java/nio/channels/Selector.html)
  + java.lang.[**Throwable**](http://docs.google.com/java/lang/Throwable.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
    - java.lang.[**Exception**](http://docs.google.com/java/lang/Exception.html)
      * java.io.[**IOException**](http://docs.google.com/java/io/IOException.html)
        + java.nio.channels.[**ClosedChannelException**](http://docs.google.com/java/nio/channels/ClosedChannelException.html)

java.nio.channels.[**AsynchronousCloseException**](http://docs.google.com/java/nio/channels/AsynchronousCloseException.html)

java.nio.channels.[**ClosedByInterruptException**](http://docs.google.com/java/nio/channels/ClosedByInterruptException.html)

* + - * + java.nio.channels.[**FileLockInterruptionException**](http://docs.google.com/java/nio/channels/FileLockInterruptionException.html)
      * java.lang.[**RuntimeException**](http://docs.google.com/java/lang/RuntimeException.html)
        + java.lang.[**IllegalArgumentException**](http://docs.google.com/java/lang/IllegalArgumentException.html)

java.nio.channels.[**IllegalSelectorException**](http://docs.google.com/java/nio/channels/IllegalSelectorException.html)

java.nio.channels.[**UnresolvedAddressException**](http://docs.google.com/java/nio/channels/UnresolvedAddressException.html)

java.nio.channels.[**UnsupportedAddressTypeException**](http://docs.google.com/java/nio/channels/UnsupportedAddressTypeException.html)

* + - * + java.lang.[**IllegalStateException**](http://docs.google.com/java/lang/IllegalStateException.html)

java.nio.channels.[**AlreadyConnectedException**](http://docs.google.com/java/nio/channels/AlreadyConnectedException.html)

java.nio.channels.[**CancelledKeyException**](http://docs.google.com/java/nio/channels/CancelledKeyException.html)

java.nio.channels.[**ClosedSelectorException**](http://docs.google.com/java/nio/channels/ClosedSelectorException.html)

java.nio.channels.[**ConnectionPendingException**](http://docs.google.com/java/nio/channels/ConnectionPendingException.html)

java.nio.channels.[**IllegalBlockingModeException**](http://docs.google.com/java/nio/channels/IllegalBlockingModeException.html)

java.nio.channels.[**NoConnectionPendingException**](http://docs.google.com/java/nio/channels/NoConnectionPendingException.html)

java.nio.channels.[**NonReadableChannelException**](http://docs.google.com/java/nio/channels/NonReadableChannelException.html)

java.nio.channels.[**NonWritableChannelException**](http://docs.google.com/java/nio/channels/NonWritableChannelException.html)

java.nio.channels.[**NotYetBoundException**](http://docs.google.com/java/nio/channels/NotYetBoundException.html)

java.nio.channels.[**NotYetConnectedException**](http://docs.google.com/java/nio/channels/NotYetConnectedException.html)

java.nio.channels.[**OverlappingFileLockException**](http://docs.google.com/java/nio/channels/OverlappingFileLockException.html)

## Interface Hierarchy

* java.io.[**Closeable**](http://docs.google.com/java/io/Closeable.html)
  + java.nio.channels.[**Channel**](http://docs.google.com/java/nio/channels/Channel.html)
    - java.nio.channels.[**InterruptibleChannel**](http://docs.google.com/java/nio/channels/InterruptibleChannel.html)
    - java.nio.channels.[**ReadableByteChannel**](http://docs.google.com/java/nio/channels/ReadableByteChannel.html)
      * java.nio.channels.[**ByteChannel**](http://docs.google.com/java/nio/channels/ByteChannel.html) (also extends java.nio.channels.[WritableByteChannel](http://docs.google.com/java/nio/channels/WritableByteChannel.html))
      * java.nio.channels.[**ScatteringByteChannel**](http://docs.google.com/java/nio/channels/ScatteringByteChannel.html)
    - java.nio.channels.[**WritableByteChannel**](http://docs.google.com/java/nio/channels/WritableByteChannel.html)
      * java.nio.channels.[**ByteChannel**](http://docs.google.com/java/nio/channels/ByteChannel.html) (also extends java.nio.channels.[ReadableByteChannel](http://docs.google.com/java/nio/channels/ReadableByteChannel.html))
      * java.nio.channels.[**GatheringByteChannel**](http://docs.google.com/java/nio/channels/GatheringByteChannel.html)

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