| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ByteChannel.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/nio/channels/AsynchronousCloseException.html)   [**NEXT CLASS**](http://docs.google.com/java/nio/channels/CancelledKeyException.html) | [**FRAMES**](http://docs.google.com/index.html?java/nio/channels/ByteChannel.html)    [**NO FRAMES**](http://docs.google.com/ByteChannel.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | METHOD | DETAIL: FIELD | CONSTR | METHOD |

## **java.nio.channels**

Interface ByteChannel

**All Superinterfaces:** [Channel](http://docs.google.com/java/nio/channels/Channel.html), [Closeable](http://docs.google.com/java/io/Closeable.html), [ReadableByteChannel](http://docs.google.com/java/nio/channels/ReadableByteChannel.html), [WritableByteChannel](http://docs.google.com/java/nio/channels/WritableByteChannel.html) **All Known Implementing Classes:** [DatagramChannel](http://docs.google.com/java/nio/channels/DatagramChannel.html), [FileChannel](http://docs.google.com/java/nio/channels/FileChannel.html), [SocketChannel](http://docs.google.com/java/nio/channels/SocketChannel.html)

public interface **ByteChannel**extends [ReadableByteChannel](http://docs.google.com/java/nio/channels/ReadableByteChannel.html), [WritableByteChannel](http://docs.google.com/java/nio/channels/WritableByteChannel.html)

A channel that can read and write bytes. This interface simply unifies [ReadableByteChannel](http://docs.google.com/java/nio/channels/ReadableByteChannel.html) and [WritableByteChannel](http://docs.google.com/java/nio/channels/WritableByteChannel.html); it does not specify any new operations.

**Since:** 1.4

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

| **Methods inherited from interface java.nio.channels.**[**ReadableByteChannel**](http://docs.google.com/java/nio/channels/ReadableByteChannel.html) |
| --- |
| [read](http://docs.google.com/java/nio/channels/ReadableByteChannel.html#read(java.nio.ByteBuffer)) |

| **Methods inherited from interface java.nio.channels.**[**WritableByteChannel**](http://docs.google.com/java/nio/channels/WritableByteChannel.html) |
| --- |
| [write](http://docs.google.com/java/nio/channels/WritableByteChannel.html#write(java.nio.ByteBuffer)) |

| **Methods inherited from interface java.nio.channels.**[**Channel**](http://docs.google.com/java/nio/channels/Channel.html) |
| --- |
| [close](http://docs.google.com/java/nio/channels/Channel.html#close()), [isOpen](http://docs.google.com/java/nio/channels/Channel.html#isOpen()) |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ByteChannel.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/nio/channels/AsynchronousCloseException.html)   [**NEXT CLASS**](http://docs.google.com/java/nio/channels/CancelledKeyException.html) | [**FRAMES**](http://docs.google.com/index.html?java/nio/channels/ByteChannel.html)    [**NO FRAMES**](http://docs.google.com/ByteChannel.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | CONSTR | METHOD | DETAIL: FIELD | CONSTR | METHOD |

[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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