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

**Uses of Interface**

**java.nio.channels.ReadableByteChannel**

| Packages that use [ReadableByteChannel](http://docs.google.com/java/nio/channels/ReadableByteChannel.html) | |
| --- | --- |
| [**java.nio.channels**](#3znysh7) | 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.util**](#2et92p0) | Contains the collections framework, legacy collection classes, event model, date and time facilities, internationalization, and miscellaneous utility classes (a string tokenizer, a random-number generator, and a bit array). |

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

| Subinterfaces of [ReadableByteChannel](http://docs.google.com/java/nio/channels/ReadableByteChannel.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 | [**ScatteringByteChannel**](http://docs.google.com/java/nio/channels/ScatteringByteChannel.html)            A channel that can read bytes into a sequence of buffers. |

| Classes in [java.nio.channels](http://docs.google.com/java/nio/channels/package-summary.html) that implement [ReadableByteChannel](http://docs.google.com/java/nio/channels/ReadableByteChannel.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.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 | [**SocketChannel**](http://docs.google.com/java/nio/channels/SocketChannel.html)            A selectable channel for stream-oriented connecting sockets. |

| Methods in [java.nio.channels](http://docs.google.com/java/nio/channels/package-summary.html) that return [ReadableByteChannel](http://docs.google.com/java/nio/channels/ReadableByteChannel.html) | |
| --- | --- |
| static [ReadableByteChannel](http://docs.google.com/java/nio/channels/ReadableByteChannel.html) | **Channels.**[**newChannel**](http://docs.google.com/java/nio/channels/Channels.html#newChannel(java.io.InputStream))([InputStream](http://docs.google.com/java/io/InputStream.html) in)            Constructs a channel that reads bytes from the given stream. |

| Methods in [java.nio.channels](http://docs.google.com/java/nio/channels/package-summary.html) with parameters of type [ReadableByteChannel](http://docs.google.com/java/nio/channels/ReadableByteChannel.html) | |
| --- | --- |
| static [InputStream](http://docs.google.com/java/io/InputStream.html) | **Channels.**[**newInputStream**](http://docs.google.com/java/nio/channels/Channels.html#newInputStream(java.nio.channels.ReadableByteChannel))([ReadableByteChannel](http://docs.google.com/java/nio/channels/ReadableByteChannel.html) ch)            Constructs a stream that reads bytes from the given channel. |
| static [Reader](http://docs.google.com/java/io/Reader.html) | **Channels.**[**newReader**](http://docs.google.com/java/nio/channels/Channels.html#newReader(java.nio.channels.ReadableByteChannel,%20java.nio.charset.CharsetDecoder,%20int))([ReadableByteChannel](http://docs.google.com/java/nio/channels/ReadableByteChannel.html) ch, [CharsetDecoder](http://docs.google.com/java/nio/charset/CharsetDecoder.html) dec, int minBufferCap)            Constructs a reader that decodes bytes from the given channel using the given decoder. |
| static [Reader](http://docs.google.com/java/io/Reader.html) | **Channels.**[**newReader**](http://docs.google.com/java/nio/channels/Channels.html#newReader(java.nio.channels.ReadableByteChannel,%20java.lang.String))([ReadableByteChannel](http://docs.google.com/java/nio/channels/ReadableByteChannel.html) ch, [String](http://docs.google.com/java/lang/String.html) csName)            Constructs a reader that decodes bytes from the given channel according to the named charset. |
| abstract  long | **FileChannel.**[**transferFrom**](http://docs.google.com/java/nio/channels/FileChannel.html#transferFrom(java.nio.channels.ReadableByteChannel,%20long,%20long))([ReadableByteChannel](http://docs.google.com/java/nio/channels/ReadableByteChannel.html) src, long position, long count)            Transfers bytes into this channel's file from the given readable byte channel. |

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

| Constructors in [java.util](http://docs.google.com/java/util/package-summary.html) with parameters of type [ReadableByteChannel](http://docs.google.com/java/nio/channels/ReadableByteChannel.html) | |
| --- | --- |
| [**Scanner**](http://docs.google.com/java/util/Scanner.html#Scanner(java.nio.channels.ReadableByteChannel))([ReadableByteChannel](http://docs.google.com/java/nio/channels/ReadableByteChannel.html) source)            Constructs a new Scanner that produces values scanned from the specified channel. |
| [**Scanner**](http://docs.google.com/java/util/Scanner.html#Scanner(java.nio.channels.ReadableByteChannel,%20java.lang.String))([ReadableByteChannel](http://docs.google.com/java/nio/channels/ReadableByteChannel.html) source, [String](http://docs.google.com/java/lang/String.html) charsetName)            Constructs a new Scanner that produces values scanned from the specified channel. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/nio/channels/ReadableByteChannel.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-useReadableByteChannel.html)    [**NO FRAMES**](http://docs.google.com/ReadableByteChannel.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

[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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