| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Pipe.SourceChannel.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/Pipe.SinkChannel.html)   [**NEXT CLASS**](http://docs.google.com/java/nio/channels/ReadableByteChannel.html) | [**FRAMES**](http://docs.google.com/index.html?java/nio/channels/Pipe.SourceChannel.html)    [**NO FRAMES**](http://docs.google.com/Pipe.SourceChannel.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#26in1rg) | [METHOD](#35nkun2) |

## **java.nio.channels**

Class Pipe.SourceChannel

[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)  
 [java.nio.channels.SelectableChannel](http://docs.google.com/java/nio/channels/SelectableChannel.html)  
 [java.nio.channels.spi.AbstractSelectableChannel](http://docs.google.com/java/nio/channels/spi/AbstractSelectableChannel.html)  
 **java.nio.channels.Pipe.SourceChannel**

**All Implemented Interfaces:** [Closeable](http://docs.google.com/java/io/Closeable.html), [Channel](http://docs.google.com/java/nio/channels/Channel.html), [InterruptibleChannel](http://docs.google.com/java/nio/channels/InterruptibleChannel.html), [ReadableByteChannel](http://docs.google.com/java/nio/channels/ReadableByteChannel.html), [ScatteringByteChannel](http://docs.google.com/java/nio/channels/ScatteringByteChannel.html) **Enclosing class:**[Pipe](http://docs.google.com/java/nio/channels/Pipe.html)

public abstract static class **Pipe.SourceChannel**extends [AbstractSelectableChannel](http://docs.google.com/java/nio/channels/spi/AbstractSelectableChannel.html)implements [ReadableByteChannel](http://docs.google.com/java/nio/channels/ReadableByteChannel.html), [ScatteringByteChannel](http://docs.google.com/java/nio/channels/ScatteringByteChannel.html)

A channel representing the readable end of a [Pipe](http://docs.google.com/java/nio/channels/Pipe.html).

**Since:** 1.4

| **Constructor Summary** | |
| --- | --- |
| protected | [**Pipe.SourceChannel**](http://docs.google.com/java/nio/channels/Pipe.SourceChannel.html#Pipe.SourceChannel(java.nio.channels.spi.SelectorProvider))([SelectorProvider](http://docs.google.com/java/nio/channels/spi/SelectorProvider.html) provider)            Constructs a new instance of this class. |

| **Method Summary** | |
| --- | --- |
| int | [**validOps**](http://docs.google.com/java/nio/channels/Pipe.SourceChannel.html#validOps())()            Returns an operation set identifying this channel's supported operations. |

| **Methods inherited from class java.nio.channels.spi.**[**AbstractSelectableChannel**](http://docs.google.com/java/nio/channels/spi/AbstractSelectableChannel.html) |
| --- |
| [blockingLock](http://docs.google.com/java/nio/channels/spi/AbstractSelectableChannel.html#blockingLock()), [configureBlocking](http://docs.google.com/java/nio/channels/spi/AbstractSelectableChannel.html#configureBlocking(boolean)), [implCloseChannel](http://docs.google.com/java/nio/channels/spi/AbstractSelectableChannel.html#implCloseChannel()), [implCloseSelectableChannel](http://docs.google.com/java/nio/channels/spi/AbstractSelectableChannel.html#implCloseSelectableChannel()), [implConfigureBlocking](http://docs.google.com/java/nio/channels/spi/AbstractSelectableChannel.html#implConfigureBlocking(boolean)), [isBlocking](http://docs.google.com/java/nio/channels/spi/AbstractSelectableChannel.html#isBlocking()), [isRegistered](http://docs.google.com/java/nio/channels/spi/AbstractSelectableChannel.html#isRegistered()), [keyFor](http://docs.google.com/java/nio/channels/spi/AbstractSelectableChannel.html#keyFor(java.nio.channels.Selector)), [provider](http://docs.google.com/java/nio/channels/spi/AbstractSelectableChannel.html#provider()), [register](http://docs.google.com/java/nio/channels/spi/AbstractSelectableChannel.html#register(java.nio.channels.Selector,%20int,%20java.lang.Object)) |

| **Methods inherited from class java.nio.channels.**[**SelectableChannel**](http://docs.google.com/java/nio/channels/SelectableChannel.html) |
| --- |
| [register](http://docs.google.com/java/nio/channels/SelectableChannel.html#register(java.nio.channels.Selector,%20int)) |

| **Methods inherited from class java.nio.channels.spi.**[**AbstractInterruptibleChannel**](http://docs.google.com/java/nio/channels/spi/AbstractInterruptibleChannel.html) |
| --- |
| [begin](http://docs.google.com/java/nio/channels/spi/AbstractInterruptibleChannel.html#begin()), [close](http://docs.google.com/java/nio/channels/spi/AbstractInterruptibleChannel.html#close()), [end](http://docs.google.com/java/nio/channels/spi/AbstractInterruptibleChannel.html#end(boolean)), [isOpen](http://docs.google.com/java/nio/channels/spi/AbstractInterruptibleChannel.html#isOpen()) |

| **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()), [toString](http://docs.google.com/java/lang/Object.html#toString()), [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)) |

| **Methods inherited from interface java.nio.channels.**[**ScatteringByteChannel**](http://docs.google.com/java/nio/channels/ScatteringByteChannel.html) |
| --- |
| [read](http://docs.google.com/java/nio/channels/ScatteringByteChannel.html#read(java.nio.ByteBuffer%5B%5D)), [read](http://docs.google.com/java/nio/channels/ScatteringByteChannel.html#read(java.nio.ByteBuffer%5B%5D,%20int,%20int)) |

| **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.**[**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()) |

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

### Pipe.SourceChannel

protected **Pipe.SourceChannel**([SelectorProvider](http://docs.google.com/java/nio/channels/spi/SelectorProvider.html) provider)

Constructs a new instance of this class.

| **Method Detail** |
| --- |

### validOps

public final int **validOps**()

Returns an operation set identifying this channel's supported operations.

Pipe-source channels only support reading, so this method returns [SelectionKey.OP\_READ](http://docs.google.com/java/nio/channels/SelectionKey.html#OP_READ).

**Specified by:**[validOps](http://docs.google.com/java/nio/channels/SelectableChannel.html#validOps()) in class [SelectableChannel](http://docs.google.com/java/nio/channels/SelectableChannel.html) **Returns:**The valid-operation set

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