| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/PipedWriter.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/io/PipedReader.html)   [**NEXT CLASS**](http://docs.google.com/java/io/PrintStream.html) | [**FRAMES**](http://docs.google.com/index.html?java/io/PipedWriter.html)    [**NO FRAMES**](http://docs.google.com/PipedWriter.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#2et92p0) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: FIELD | [CONSTR](#2s8eyo1) | [METHOD](#26in1rg) |

## **java.io**

Class PipedWriter

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [java.io.Writer](http://docs.google.com/java/io/Writer.html)  
 **java.io.PipedWriter**

**All Implemented Interfaces:** [Closeable](http://docs.google.com/java/io/Closeable.html), [Flushable](http://docs.google.com/java/io/Flushable.html), [Appendable](http://docs.google.com/java/lang/Appendable.html)

public class **PipedWriter**extends [Writer](http://docs.google.com/java/io/Writer.html)

Piped character-output streams.

**Since:** JDK1.1

| **Field Summary** | |
| --- | --- |

| **Fields inherited from class java.io.**[**Writer**](http://docs.google.com/java/io/Writer.html) |
| --- |
| [lock](http://docs.google.com/java/io/Writer.html#lock) |

| **Constructor Summary** | |
| --- | --- |
| [**PipedWriter**](http://docs.google.com/java/io/PipedWriter.html#PipedWriter())()            Creates a piped writer that is not yet connected to a piped reader. |
| [**PipedWriter**](http://docs.google.com/java/io/PipedWriter.html#PipedWriter(java.io.PipedReader))([PipedReader](http://docs.google.com/java/io/PipedReader.html) snk)            Creates a piped writer connected to the specified piped reader. |

| **Method Summary** | |
| --- | --- |
| void | [**close**](http://docs.google.com/java/io/PipedWriter.html#close())()            Closes this piped output stream and releases any system resources associated with this stream. |
| void | [**connect**](http://docs.google.com/java/io/PipedWriter.html#connect(java.io.PipedReader))([PipedReader](http://docs.google.com/java/io/PipedReader.html) snk)            Connects this piped writer to a receiver. |
| void | [**flush**](http://docs.google.com/java/io/PipedWriter.html#flush())()            Flushes this output stream and forces any buffered output characters to be written out. |
| void | [**write**](http://docs.google.com/java/io/PipedWriter.html#write(char%5B%5D,%20int,%20int))(char[] cbuf, int off, int len)            Writes len characters from the specified character array starting at offset off to this piped output stream. |
| void | [**write**](http://docs.google.com/java/io/PipedWriter.html#write(int))(int c)            Writes the specified char to the piped output stream. |

| **Methods inherited from class java.io.**[**Writer**](http://docs.google.com/java/io/Writer.html) |
| --- |
| [append](http://docs.google.com/java/io/Writer.html#append(char)), [append](http://docs.google.com/java/io/Writer.html#append(java.lang.CharSequence)), [append](http://docs.google.com/java/io/Writer.html#append(java.lang.CharSequence,%20int,%20int)), [write](http://docs.google.com/java/io/Writer.html#write(char%5B%5D)), [write](http://docs.google.com/java/io/Writer.html#write(java.lang.String)), [write](http://docs.google.com/java/io/Writer.html#write(java.lang.String,%20int,%20int)) |

| **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)) |

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

### PipedWriter

public **PipedWriter**([PipedReader](http://docs.google.com/java/io/PipedReader.html) snk)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Creates a piped writer connected to the specified piped reader. Data characters written to this stream will then be available as input from snk.

**Parameters:**snk - The piped reader to connect to. **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if an I/O error occurs.

### PipedWriter

public **PipedWriter**()

Creates a piped writer that is not yet connected to a piped reader. It must be connected to a piped reader, either by the receiver or the sender, before being used.

**See Also:**[PipedReader.connect(java.io.PipedWriter)](http://docs.google.com/java/io/PipedReader.html#connect(java.io.PipedWriter)), [connect(java.io.PipedReader)](http://docs.google.com/java/io/PipedWriter.html#connect(java.io.PipedReader))

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

### connect

public void **connect**([PipedReader](http://docs.google.com/java/io/PipedReader.html) snk)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Connects this piped writer to a receiver. If this object is already connected to some other piped reader, an IOException is thrown.

If snk is an unconnected piped reader and src is an unconnected piped writer, they may be connected by either the call:

src.connect(snk)

or the call:

snk.connect(src)

The two calls have the same effect.

**Parameters:**snk - the piped reader to connect to. **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if an I/O error occurs.

### write

public void **write**(int c)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Writes the specified char to the piped output stream. If a thread was reading data characters from the connected piped input stream, but the thread is no longer alive, then an IOException is thrown.

Implements the write method of Writer.

**Overrides:**[write](http://docs.google.com/java/io/Writer.html#write(int)) in class [Writer](http://docs.google.com/java/io/Writer.html) **Parameters:**c - the char to be written. **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if the pipe is  [broken](http://docs.google.com/PipedOutputStream.html#BROKEN), [unconnected](http://docs.google.com/java/io/PipedWriter.html#connect(java.io.PipedReader)), closed or an I/O error occurs.

### write

public void **write**(char[] cbuf,  
 int off,  
 int len)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Writes len characters from the specified character array starting at offset off to this piped output stream. This method blocks until all the characters are written to the output stream. If a thread was reading data characters from the connected piped input stream, but the thread is no longer alive, then an IOException is thrown.

**Specified by:**[write](http://docs.google.com/java/io/Writer.html#write(char%5B%5D,%20int,%20int)) in class [Writer](http://docs.google.com/java/io/Writer.html) **Parameters:**cbuf - the data.off - the start offset in the data.len - the number of characters to write. **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if the pipe is  [broken](http://docs.google.com/PipedOutputStream.html#BROKEN), [unconnected](http://docs.google.com/java/io/PipedWriter.html#connect(java.io.PipedReader)), closed or an I/O error occurs.

### flush

public void **flush**()  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Flushes this output stream and forces any buffered output characters to be written out. This will notify any readers that characters are waiting in the pipe.

**Specified by:**[flush](http://docs.google.com/java/io/Flushable.html#flush()) in interface [Flushable](http://docs.google.com/java/io/Flushable.html)**Specified by:**[flush](http://docs.google.com/java/io/Writer.html#flush()) in class [Writer](http://docs.google.com/java/io/Writer.html) **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if the pipe is closed, or an I/O error occurs.

### close

public void **close**()  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Closes this piped output stream and releases any system resources associated with this stream. This stream may no longer be used for writing characters.

**Specified by:**[close](http://docs.google.com/java/io/Closeable.html#close()) in interface [Closeable](http://docs.google.com/java/io/Closeable.html)**Specified by:**[close](http://docs.google.com/java/io/Writer.html#close()) in class [Writer](http://docs.google.com/java/io/Writer.html) **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if an I/O error occurs.

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