

Class `java.io.PipedInputStream`

```
java.lang.Object
|
+----java.io.InputStream
|
+----java.io.PipedInputStream
```

public class **PipedInputStream**
extends [InputStream](#)

`PipedInputStream` must be connected to a `PipedOutputStream` to be useful. A thread reading from a `PipedInputStream` receives data from a thread writing to the `PipedOutputStream` it is connected to.

See Also:

[PipedOutputStream](#)

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- o **[PipedInputStream](#)**(`PipedOutputStream`)
Creates an input file from the specified `PipedOutputStream`.
- o **[PipedInputStream](#)**()
Creates an input file that isn't connected to anything (yet).

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- o **[close](#)**()
Closes the input stream.
- o **[connect](#)**(`PipedOutputStream`)
Connects this input stream to a sender.
- o **[read](#)**()
Reads a byte of data.
- o **[read](#)**(`byte[]`, `int`, `int`)

Reads into an array of bytes.

Constructors

o PipedInputStream

```
public PipedInputStream(PipedOutputStream src) throws IOException
```

Creates an input file from the specified PipedOutputStream.

Parameters:

src – the stream to connect to.

o PipedInputStream

```
public PipedInputStream()
```

Creates an input file that isn't connected to anything (yet). It must be connected to a PipedOutputStream before being used.

Methods

o connect

```
public void connect(PipedOutputStream src) throws IOException
```

Connects this input stream to a sender.

Parameters:

src – The OutputStream to connect to.

o read

```
public synchronized int read() throws IOException
```

Reads a byte of data. This method will block if no input is available.

Returns:

the byte read, or -1 if the end of the stream is reached.

Throws: IOException

If the pipe is broken.

Overrides:

read in class InputStream

o read

```
public synchronized int read(byte b[],  
                             int off,  
                             int len) throws IOException
```

Reads into an array of bytes. Blocks until some input is available.

Parameters:

b – the buffer into which the data is read
off – the start offset of the data
len – the maximum number of bytes read

Returns:

the actual number of bytes read, -1 is returned when the end of the stream is reached.

Throws: [IOException](#)

If an I/O error has occurred.

Overrides:

read in class [InputStream](#)

o close

```
public void close() throws IOException
```

Closes the input stream. Must be called to release any resources associated with the stream.

Throws: [IOException](#)

If an I/O error has occurred.

Overrides:

close in class [InputStream](#)