| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/StringBufferInputStream.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/StreamTokenizer.html)   [**NEXT CLASS**](http://docs.google.com/java/io/StringReader.html) | [**FRAMES**](http://docs.google.com/index.html?java/io/StringBufferInputStream.html)    [**NO FRAMES**](http://docs.google.com/StringBufferInputStream.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#4d34og8) | [CONSTR](#26in1rg) | [METHOD](#35nkun2) |

## **java.io**

Class StringBufferInputStream

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

**All Implemented Interfaces:** [Closeable](http://docs.google.com/java/io/Closeable.html)**Deprecated.** *This class does not properly convert characters into bytes. As of JDK 1.1, the preferred way to create a stream from a string is via the StringReader class.*

[@Deprecated](http://docs.google.com/java/lang/Deprecated.html)  
public class **StringBufferInputStream**extends [InputStream](http://docs.google.com/java/io/InputStream.html)

This class allows an application to create an input stream in which the bytes read are supplied by the contents of a string. Applications can also read bytes from a byte array by using a ByteArrayInputStream.

Only the low eight bits of each character in the string are used by this class.

**Since:** JDK1.0 **See Also:**[ByteArrayInputStream](http://docs.google.com/java/io/ByteArrayInputStream.html), [StringReader](http://docs.google.com/java/io/StringReader.html)

| **Field Summary** | |
| --- | --- |
| protected  [String](http://docs.google.com/java/lang/String.html) | [**buffer**](http://docs.google.com/java/io/StringBufferInputStream.html#buffer)  **Deprecated.** The string from which bytes are read. |
| protected  int | [**count**](http://docs.google.com/java/io/StringBufferInputStream.html#count)  **Deprecated.** The number of valid characters in the input stream buffer. |
| protected  int | [**pos**](http://docs.google.com/java/io/StringBufferInputStream.html#pos)  **Deprecated.** The index of the next character to read from the input stream buffer. |

| **Constructor Summary** | |
| --- | --- |
| [**StringBufferInputStream**](http://docs.google.com/java/io/StringBufferInputStream.html#StringBufferInputStream(java.lang.String))([String](http://docs.google.com/java/lang/String.html) s)  **Deprecated.** Creates a string input stream to read data from the specified string. |

| **Method Summary** | |
| --- | --- |
| int | [**available**](http://docs.google.com/java/io/StringBufferInputStream.html#available())()  **Deprecated.** Returns the number of bytes that can be read from the input stream without blocking. |
| int | [**read**](http://docs.google.com/java/io/StringBufferInputStream.html#read())()  **Deprecated.** Reads the next byte of data from this input stream. |
| int | [**read**](http://docs.google.com/java/io/StringBufferInputStream.html#read(byte%5B%5D,%20int,%20int))(byte[] b, int off, int len)  **Deprecated.** Reads up to len bytes of data from this input stream into an array of bytes. |
| void | [**reset**](http://docs.google.com/java/io/StringBufferInputStream.html#reset())()  **Deprecated.** Resets the input stream to begin reading from the first character of this input stream's underlying buffer. |
| long | [**skip**](http://docs.google.com/java/io/StringBufferInputStream.html#skip(long))(long n)  **Deprecated.** Skips n bytes of input from this input stream. |

| **Methods inherited from class java.io.**[**InputStream**](http://docs.google.com/java/io/InputStream.html) |
| --- |
| [close](http://docs.google.com/java/io/InputStream.html#close()), [mark](http://docs.google.com/java/io/InputStream.html#mark(int)), [markSupported](http://docs.google.com/java/io/InputStream.html#markSupported()), [read](http://docs.google.com/java/io/InputStream.html#read(byte%5B%5D)) |

| **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)) |

| **Field Detail** |
| --- |

### buffer

protected [String](http://docs.google.com/java/lang/String.html) **buffer**

**Deprecated.** The string from which bytes are read.

### pos

protected int **pos**

**Deprecated.** The index of the next character to read from the input stream buffer.

**See Also:**[buffer](http://docs.google.com/java/io/StringBufferInputStream.html#buffer)

### count

protected int **count**

**Deprecated.** The number of valid characters in the input stream buffer.

**See Also:**[buffer](http://docs.google.com/java/io/StringBufferInputStream.html#buffer)

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

### StringBufferInputStream

public **StringBufferInputStream**([String](http://docs.google.com/java/lang/String.html) s)

**Deprecated.** Creates a string input stream to read data from the specified string.

**Parameters:**s - the underlying input buffer.

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

### read

public int **read**()

**Deprecated.** Reads the next byte of data from this input stream. The value byte is returned as an int in the range 0 to 255. If no byte is available because the end of the stream has been reached, the value -1 is returned.

The read method of StringBufferInputStream cannot block. It returns the low eight bits of the next character in this input stream's buffer.

**Specified by:**[read](http://docs.google.com/java/io/InputStream.html#read()) in class [InputStream](http://docs.google.com/java/io/InputStream.html) **Returns:**the next byte of data, or -1 if the end of the stream is reached.

### read

public int **read**(byte[] b,  
 int off,  
 int len)

**Deprecated.** Reads up to len bytes of data from this input stream into an array of bytes.

The read method of StringBufferInputStream cannot block. It copies the low eight bits from the characters in this input stream's buffer into the byte array argument.

**Overrides:**[read](http://docs.google.com/java/io/InputStream.html#read(byte%5B%5D,%20int,%20int)) in class [InputStream](http://docs.google.com/java/io/InputStream.html) **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 total number of bytes read into the buffer, or -1 if there is no more data because the end of the stream has been reached.**See Also:**[InputStream.read()](http://docs.google.com/java/io/InputStream.html#read())

### skip

public long **skip**(long n)

**Deprecated.** Skips n bytes of input from this input stream. Fewer bytes might be skipped if the end of the input stream is reached.

**Overrides:**[skip](http://docs.google.com/java/io/InputStream.html#skip(long)) in class [InputStream](http://docs.google.com/java/io/InputStream.html) **Parameters:**n - the number of bytes to be skipped. **Returns:**the actual number of bytes skipped.

### available

public int **available**()

**Deprecated.** Returns the number of bytes that can be read from the input stream without blocking.

**Overrides:**[available](http://docs.google.com/java/io/InputStream.html#available()) in class [InputStream](http://docs.google.com/java/io/InputStream.html) **Returns:**the value of count - pos, which is the number of bytes remaining to be read from the input buffer.

### reset

public void **reset**()

**Deprecated.** Resets the input stream to begin reading from the first character of this input stream's underlying buffer.

**Overrides:**[reset](http://docs.google.com/java/io/InputStream.html#reset()) in class [InputStream](http://docs.google.com/java/io/InputStream.html) **See Also:**[InputStream.mark(int)](http://docs.google.com/java/io/InputStream.html#mark(int)), [IOException](http://docs.google.com/java/io/IOException.html)

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