| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/InflaterOutputStream.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/util/zip/InflaterInputStream.html)   [**NEXT CLASS**](http://docs.google.com/java/util/zip/ZipEntry.html) | [**FRAMES**](http://docs.google.com/index.html?java/util/zip/InflaterOutputStream.html)    [**NO FRAMES**](http://docs.google.com/InflaterOutputStream.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: [FIELD](#2s8eyo1) | [CONSTR](#26in1rg) | [METHOD](#44sinio) |

## **java.util.zip**

Class InflaterOutputStream

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [java.io.OutputStream](http://docs.google.com/java/io/OutputStream.html)  
 [java.io.FilterOutputStream](http://docs.google.com/java/io/FilterOutputStream.html)  
 **java.util.zip.InflaterOutputStream**

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

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

Implements an output stream filter for uncompressing data stored in the "deflate" compression format.

**Since:** 1.6 **See Also:**[InflaterInputStream](http://docs.google.com/java/util/zip/InflaterInputStream.html), [DeflaterInputStream](http://docs.google.com/java/util/zip/DeflaterInputStream.html), [DeflaterOutputStream](http://docs.google.com/java/util/zip/DeflaterOutputStream.html)

| **Field Summary** | |
| --- | --- |
| protected  byte[] | [**buf**](http://docs.google.com/java/util/zip/InflaterOutputStream.html#buf)            Output buffer for writing uncompressed data. |
| protected  [Inflater](http://docs.google.com/java/util/zip/Inflater.html) | [**inf**](http://docs.google.com/java/util/zip/InflaterOutputStream.html#inf)            Decompressor for this stream. |

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

| **Constructor Summary** | |
| --- | --- |
| [**InflaterOutputStream**](http://docs.google.com/java/util/zip/InflaterOutputStream.html#InflaterOutputStream(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out)            Creates a new output stream with a default decompressor and buffer size. |
| [**InflaterOutputStream**](http://docs.google.com/java/util/zip/InflaterOutputStream.html#InflaterOutputStream(java.io.OutputStream,%20java.util.zip.Inflater))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out, [Inflater](http://docs.google.com/java/util/zip/Inflater.html) infl)            Creates a new output stream with the specified decompressor and a default buffer size. |
| [**InflaterOutputStream**](http://docs.google.com/java/util/zip/InflaterOutputStream.html#InflaterOutputStream(java.io.OutputStream,%20java.util.zip.Inflater,%20int))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out, [Inflater](http://docs.google.com/java/util/zip/Inflater.html) infl, int bufLen)            Creates a new output stream with the specified decompressor and buffer size. |

| **Method Summary** | |
| --- | --- |
| void | [**close**](http://docs.google.com/java/util/zip/InflaterOutputStream.html#close())()            Writes any remaining uncompressed data to the output stream and closes the underlying output stream. |
| void | [**finish**](http://docs.google.com/java/util/zip/InflaterOutputStream.html#finish())()            Finishes writing uncompressed data to the output stream without closing the underlying stream. |
| void | [**flush**](http://docs.google.com/java/util/zip/InflaterOutputStream.html#flush())()            Flushes this output stream, forcing any pending buffered output bytes to be written. |
| void | [**write**](http://docs.google.com/java/util/zip/InflaterOutputStream.html#write(byte%5B%5D,%20int,%20int))(byte[] b, int off, int len)            Writes an array of bytes to the uncompressed output stream. |
| void | [**write**](http://docs.google.com/java/util/zip/InflaterOutputStream.html#write(int))(int b)            Writes a byte to the uncompressed output stream. |

| **Methods inherited from class java.io.**[**FilterOutputStream**](http://docs.google.com/java/io/FilterOutputStream.html) |
| --- |
| [write](http://docs.google.com/java/io/FilterOutputStream.html#write(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** |
| --- |

### inf

protected final [Inflater](http://docs.google.com/java/util/zip/Inflater.html) **inf**

Decompressor for this stream.

### buf

protected final byte[] **buf**

Output buffer for writing uncompressed data.

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

### InflaterOutputStream

public **InflaterOutputStream**([OutputStream](http://docs.google.com/java/io/OutputStream.html) out)

Creates a new output stream with a default decompressor and buffer size.

**Parameters:**out - output stream to write the uncompressed data to **Throws:** [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if out is null

### InflaterOutputStream

public **InflaterOutputStream**([OutputStream](http://docs.google.com/java/io/OutputStream.html) out,  
 [Inflater](http://docs.google.com/java/util/zip/Inflater.html) infl)

Creates a new output stream with the specified decompressor and a default buffer size.

**Parameters:**out - output stream to write the uncompressed data toinfl - decompressor ("inflater") for this stream **Throws:** [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if out or infl is null

### InflaterOutputStream

public **InflaterOutputStream**([OutputStream](http://docs.google.com/java/io/OutputStream.html) out,  
 [Inflater](http://docs.google.com/java/util/zip/Inflater.html) infl,  
 int bufLen)

Creates a new output stream with the specified decompressor and buffer size.

**Parameters:**out - output stream to write the uncompressed data toinfl - decompressor ("inflater") for this streambufLen - decompression buffer size **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if bufLen is <= 0 [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if out or infl is null

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

### close

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

Writes any remaining uncompressed data to the output stream and closes the underlying output stream.

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

### flush

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

Flushes this output stream, forcing any pending buffered output bytes to be written.

**Specified by:**[flush](http://docs.google.com/java/io/Flushable.html#flush()) in interface [Flushable](http://docs.google.com/java/io/Flushable.html)**Overrides:**[flush](http://docs.google.com/java/io/FilterOutputStream.html#flush()) in class [FilterOutputStream](http://docs.google.com/java/io/FilterOutputStream.html) **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if an I/O error occurs or this stream is already closed**See Also:**[FilterOutputStream.out](http://docs.google.com/java/io/FilterOutputStream.html#out)

### finish

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

Finishes writing uncompressed data to the output stream without closing the underlying stream. Use this method when applying multiple filters in succession to the same output stream.

**Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if an I/O error occurs or this stream is already closed

### write

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

Writes a byte to the uncompressed output stream.

**Overrides:**[write](http://docs.google.com/java/io/FilterOutputStream.html#write(int)) in class [FilterOutputStream](http://docs.google.com/java/io/FilterOutputStream.html) **Parameters:**b - a single byte of compressed data to decompress and write to the output stream **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if an I/O error occurs or this stream is already closed [ZipException](http://docs.google.com/java/util/zip/ZipException.html) - if a compression (ZIP) format error occurs

### write

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

Writes an array of bytes to the uncompressed output stream.

**Overrides:**[write](http://docs.google.com/java/io/FilterOutputStream.html#write(byte%5B%5D,%20int,%20int)) in class [FilterOutputStream](http://docs.google.com/java/io/FilterOutputStream.html) **Parameters:**b - buffer containing compressed data to decompress and write to the output streamoff - starting offset of the compressed data within blen - number of bytes to decompress from b **Throws:** [IndexOutOfBoundsException](http://docs.google.com/java/lang/IndexOutOfBoundsException.html) - if off < 0, or if len < 0, or if len > b.length - off [IOException](http://docs.google.com/java/io/IOException.html) - if an I/O error occurs or this stream is already closed [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if b is null [ZipException](http://docs.google.com/java/util/zip/ZipException.html) - if a compression (ZIP) format error occurs**See Also:**[FilterOutputStream.write(int)](http://docs.google.com/java/io/FilterOutputStream.html#write(int))

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/InflaterOutputStream.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/util/zip/InflaterInputStream.html)   [**NEXT CLASS**](http://docs.google.com/java/util/zip/ZipEntry.html) | [**FRAMES**](http://docs.google.com/index.html?java/util/zip/InflaterOutputStream.html)    [**NO FRAMES**](http://docs.google.com/InflaterOutputStream.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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