| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ZipInputStream.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/ZipFile.html)   [**NEXT CLASS**](http://docs.google.com/java/util/zip/ZipOutputStream.html) | [**FRAMES**](http://docs.google.com/index.html?java/util/zip/ZipInputStream.html)    [**NO FRAMES**](http://docs.google.com/ZipInputStream.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#3dy6vkm) | [METHOD](#1t3h5sf) | DETAIL: [FIELD](#3rdcrjn) | [CONSTR](#111kx3o) | [METHOD](#206ipza) |

## **java.util.zip**

Class ZipInputStream

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [java.io.InputStream](http://docs.google.com/java/io/InputStream.html)  
 [java.io.FilterInputStream](http://docs.google.com/java/io/FilterInputStream.html)  
 [java.util.zip.InflaterInputStream](http://docs.google.com/java/util/zip/InflaterInputStream.html)  
 **java.util.zip.ZipInputStream**

**All Implemented Interfaces:** [Closeable](http://docs.google.com/java/io/Closeable.html) **Direct Known Subclasses:** [JarInputStream](http://docs.google.com/java/util/jar/JarInputStream.html)

public class **ZipInputStream**extends [InflaterInputStream](http://docs.google.com/java/util/zip/InflaterInputStream.html)

This class implements an input stream filter for reading files in the ZIP file format. Includes support for both compressed and uncompressed entries.

| **Field Summary** | |
| --- | --- |
| static int | [**CENATT**](http://docs.google.com/java/util/zip/ZipInputStream.html#CENATT) |
| static int | [**CENATX**](http://docs.google.com/java/util/zip/ZipInputStream.html#CENATX) |
| static int | [**CENCOM**](http://docs.google.com/java/util/zip/ZipInputStream.html#CENCOM) |
| static int | [**CENCRC**](http://docs.google.com/java/util/zip/ZipInputStream.html#CENCRC) |
| static int | [**CENDSK**](http://docs.google.com/java/util/zip/ZipInputStream.html#CENDSK) |
| static int | [**CENEXT**](http://docs.google.com/java/util/zip/ZipInputStream.html#CENEXT) |
| static int | [**CENFLG**](http://docs.google.com/java/util/zip/ZipInputStream.html#CENFLG) |
| static int | [**CENHDR**](http://docs.google.com/java/util/zip/ZipInputStream.html#CENHDR) |
| static int | [**CENHOW**](http://docs.google.com/java/util/zip/ZipInputStream.html#CENHOW) |
| static int | [**CENLEN**](http://docs.google.com/java/util/zip/ZipInputStream.html#CENLEN) |
| static int | [**CENNAM**](http://docs.google.com/java/util/zip/ZipInputStream.html#CENNAM) |
| static int | [**CENOFF**](http://docs.google.com/java/util/zip/ZipInputStream.html#CENOFF) |
| static long | [**CENSIG**](http://docs.google.com/java/util/zip/ZipInputStream.html#CENSIG) |
| static int | [**CENSIZ**](http://docs.google.com/java/util/zip/ZipInputStream.html#CENSIZ) |
| static int | [**CENTIM**](http://docs.google.com/java/util/zip/ZipInputStream.html#CENTIM) |
| static int | [**CENVEM**](http://docs.google.com/java/util/zip/ZipInputStream.html#CENVEM) |
| static int | [**CENVER**](http://docs.google.com/java/util/zip/ZipInputStream.html#CENVER) |
| static int | [**ENDCOM**](http://docs.google.com/java/util/zip/ZipInputStream.html#ENDCOM) |
| static int | [**ENDHDR**](http://docs.google.com/java/util/zip/ZipInputStream.html#ENDHDR) |
| static int | [**ENDOFF**](http://docs.google.com/java/util/zip/ZipInputStream.html#ENDOFF) |
| static long | [**ENDSIG**](http://docs.google.com/java/util/zip/ZipInputStream.html#ENDSIG) |
| static int | [**ENDSIZ**](http://docs.google.com/java/util/zip/ZipInputStream.html#ENDSIZ) |
| static int | [**ENDSUB**](http://docs.google.com/java/util/zip/ZipInputStream.html#ENDSUB) |
| static int | [**ENDTOT**](http://docs.google.com/java/util/zip/ZipInputStream.html#ENDTOT) |
| static int | [**EXTCRC**](http://docs.google.com/java/util/zip/ZipInputStream.html#EXTCRC) |
| static int | [**EXTHDR**](http://docs.google.com/java/util/zip/ZipInputStream.html#EXTHDR) |
| static int | [**EXTLEN**](http://docs.google.com/java/util/zip/ZipInputStream.html#EXTLEN) |
| static long | [**EXTSIG**](http://docs.google.com/java/util/zip/ZipInputStream.html#EXTSIG) |
| static int | [**EXTSIZ**](http://docs.google.com/java/util/zip/ZipInputStream.html#EXTSIZ) |
| static int | [**LOCCRC**](http://docs.google.com/java/util/zip/ZipInputStream.html#LOCCRC) |
| static int | [**LOCEXT**](http://docs.google.com/java/util/zip/ZipInputStream.html#LOCEXT) |
| static int | [**LOCFLG**](http://docs.google.com/java/util/zip/ZipInputStream.html#LOCFLG) |
| static int | [**LOCHDR**](http://docs.google.com/java/util/zip/ZipInputStream.html#LOCHDR) |
| static int | [**LOCHOW**](http://docs.google.com/java/util/zip/ZipInputStream.html#LOCHOW) |
| static int | [**LOCLEN**](http://docs.google.com/java/util/zip/ZipInputStream.html#LOCLEN) |
| static int | [**LOCNAM**](http://docs.google.com/java/util/zip/ZipInputStream.html#LOCNAM) |
| static long | [**LOCSIG**](http://docs.google.com/java/util/zip/ZipInputStream.html#LOCSIG) |
| static int | [**LOCSIZ**](http://docs.google.com/java/util/zip/ZipInputStream.html#LOCSIZ) |
| static int | [**LOCTIM**](http://docs.google.com/java/util/zip/ZipInputStream.html#LOCTIM) |
| static int | [**LOCVER**](http://docs.google.com/java/util/zip/ZipInputStream.html#LOCVER) |

| **Fields inherited from class java.util.zip.**[**InflaterInputStream**](http://docs.google.com/java/util/zip/InflaterInputStream.html) |
| --- |
| [buf](http://docs.google.com/java/util/zip/InflaterInputStream.html#buf), [inf](http://docs.google.com/java/util/zip/InflaterInputStream.html#inf), [len](http://docs.google.com/java/util/zip/InflaterInputStream.html#len) |

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

| **Constructor Summary** | |
| --- | --- |
| [**ZipInputStream**](http://docs.google.com/java/util/zip/ZipInputStream.html#ZipInputStream(java.io.InputStream))([InputStream](http://docs.google.com/java/io/InputStream.html) in)            Creates a new ZIP input stream. |

| **Method Summary** | |
| --- | --- |
| int | [**available**](http://docs.google.com/java/util/zip/ZipInputStream.html#available())()            Returns 0 after EOF has reached for the current entry data, otherwise always return 1. |
| void | [**close**](http://docs.google.com/java/util/zip/ZipInputStream.html#close())()            Closes this input stream and releases any system resources associated with the stream. |
| void | [**closeEntry**](http://docs.google.com/java/util/zip/ZipInputStream.html#closeEntry())()            Closes the current ZIP entry and positions the stream for reading the next entry. |
| protected  [ZipEntry](http://docs.google.com/java/util/zip/ZipEntry.html) | [**createZipEntry**](http://docs.google.com/java/util/zip/ZipInputStream.html#createZipEntry(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Creates a new ZipEntry object for the specified entry name. |
| [ZipEntry](http://docs.google.com/java/util/zip/ZipEntry.html) | [**getNextEntry**](http://docs.google.com/java/util/zip/ZipInputStream.html#getNextEntry())()            Reads the next ZIP file entry and positions the stream at the beginning of the entry data. |
| int | [**read**](http://docs.google.com/java/util/zip/ZipInputStream.html#read(byte%5B%5D,%20int,%20int))(byte[] b, int off, int len)            Reads from the current ZIP entry into an array of bytes. |
| long | [**skip**](http://docs.google.com/java/util/zip/ZipInputStream.html#skip(long))(long n)            Skips specified number of bytes in the current ZIP entry. |

| **Methods inherited from class java.util.zip.**[**InflaterInputStream**](http://docs.google.com/java/util/zip/InflaterInputStream.html) |
| --- |
| [fill](http://docs.google.com/java/util/zip/InflaterInputStream.html#fill()), [mark](http://docs.google.com/java/util/zip/InflaterInputStream.html#mark(int)), [markSupported](http://docs.google.com/java/util/zip/InflaterInputStream.html#markSupported()), [read](http://docs.google.com/java/util/zip/InflaterInputStream.html#read()), [reset](http://docs.google.com/java/util/zip/InflaterInputStream.html#reset()) |

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

### LOCSIG

public static final long **LOCSIG**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.util.zip.ZipInputStream.LOCSIG)

### EXTSIG

public static final long **EXTSIG**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.util.zip.ZipInputStream.EXTSIG)

### CENSIG

public static final long **CENSIG**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.util.zip.ZipInputStream.CENSIG)

### ENDSIG

public static final long **ENDSIG**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.util.zip.ZipInputStream.ENDSIG)

### LOCHDR

public static final int **LOCHDR**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.util.zip.ZipInputStream.LOCHDR)

### EXTHDR

public static final int **EXTHDR**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.util.zip.ZipInputStream.EXTHDR)

### CENHDR

public static final int **CENHDR**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.util.zip.ZipInputStream.CENHDR)

### ENDHDR

public static final int **ENDHDR**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.util.zip.ZipInputStream.ENDHDR)

### LOCVER

public static final int **LOCVER**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.util.zip.ZipInputStream.LOCVER)

### LOCFLG

public static final int **LOCFLG**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.util.zip.ZipInputStream.LOCFLG)

### LOCHOW

public static final int **LOCHOW**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.util.zip.ZipInputStream.LOCHOW)

### LOCTIM

public static final int **LOCTIM**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.util.zip.ZipInputStream.LOCTIM)

### LOCCRC

public static final int **LOCCRC**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.util.zip.ZipInputStream.LOCCRC)

### LOCSIZ

public static final int **LOCSIZ**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.util.zip.ZipInputStream.LOCSIZ)

### LOCLEN

public static final int **LOCLEN**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.util.zip.ZipInputStream.LOCLEN)

### LOCNAM

public static final int **LOCNAM**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.util.zip.ZipInputStream.LOCNAM)

### LOCEXT

public static final int **LOCEXT**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.util.zip.ZipInputStream.LOCEXT)

### EXTCRC

public static final int **EXTCRC**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.util.zip.ZipInputStream.EXTCRC)

### EXTSIZ

public static final int **EXTSIZ**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.util.zip.ZipInputStream.EXTSIZ)

### EXTLEN

public static final int **EXTLEN**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.util.zip.ZipInputStream.EXTLEN)

### CENVEM

public static final int **CENVEM**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.util.zip.ZipInputStream.CENVEM)

### CENVER

public static final int **CENVER**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.util.zip.ZipInputStream.CENVER)

### CENFLG

public static final int **CENFLG**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.util.zip.ZipInputStream.CENFLG)

### CENHOW

public static final int **CENHOW**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.util.zip.ZipInputStream.CENHOW)

### CENTIM

public static final int **CENTIM**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.util.zip.ZipInputStream.CENTIM)

### CENCRC

public static final int **CENCRC**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.util.zip.ZipInputStream.CENCRC)

### CENSIZ

public static final int **CENSIZ**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.util.zip.ZipInputStream.CENSIZ)

### CENLEN

public static final int **CENLEN**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.util.zip.ZipInputStream.CENLEN)

### CENNAM

public static final int **CENNAM**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.util.zip.ZipInputStream.CENNAM)

### CENEXT

public static final int **CENEXT**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.util.zip.ZipInputStream.CENEXT)

### CENCOM

public static final int **CENCOM**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.util.zip.ZipInputStream.CENCOM)

### CENDSK

public static final int **CENDSK**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.util.zip.ZipInputStream.CENDSK)

### CENATT

public static final int **CENATT**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.util.zip.ZipInputStream.CENATT)

### CENATX

public static final int **CENATX**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.util.zip.ZipInputStream.CENATX)

### CENOFF

public static final int **CENOFF**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.util.zip.ZipInputStream.CENOFF)

### ENDSUB

public static final int **ENDSUB**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.util.zip.ZipInputStream.ENDSUB)

### ENDTOT

public static final int **ENDTOT**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.util.zip.ZipInputStream.ENDTOT)

### ENDSIZ

public static final int **ENDSIZ**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.util.zip.ZipInputStream.ENDSIZ)

### ENDOFF

public static final int **ENDOFF**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.util.zip.ZipInputStream.ENDOFF)

### ENDCOM

public static final int **ENDCOM**

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#java.util.zip.ZipInputStream.ENDCOM)

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

### ZipInputStream

public **ZipInputStream**([InputStream](http://docs.google.com/java/io/InputStream.html) in)

Creates a new ZIP input stream.

**Parameters:**in - the actual input stream

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

### getNextEntry

public [ZipEntry](http://docs.google.com/java/util/zip/ZipEntry.html) **getNextEntry**()  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Reads the next ZIP file entry and positions the stream at the beginning of the entry data.

**Returns:**the next ZIP file entry, or null if there are no more entries **Throws:** [ZipException](http://docs.google.com/java/util/zip/ZipException.html) - if a ZIP file error has occurred [IOException](http://docs.google.com/java/io/IOException.html) - if an I/O error has occurred

### closeEntry

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

Closes the current ZIP entry and positions the stream for reading the next entry.

**Throws:** [ZipException](http://docs.google.com/java/util/zip/ZipException.html) - if a ZIP file error has occurred [IOException](http://docs.google.com/java/io/IOException.html) - if an I/O error has occurred

### available

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

Returns 0 after EOF has reached for the current entry data, otherwise always return 1.

Programs should not count on this method to return the actual number of bytes that could be read without blocking.

**Overrides:**[available](http://docs.google.com/java/util/zip/InflaterInputStream.html#available()) in class [InflaterInputStream](http://docs.google.com/java/util/zip/InflaterInputStream.html) **Returns:**1 before EOF and 0 after EOF has reached for current entry. **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if an I/O error occurs.

### read

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

Reads from the current ZIP entry into an array of bytes. If len is not zero, the method blocks until some input is available; otherwise, no bytes are read and 0 is returned.

**Overrides:**[read](http://docs.google.com/java/util/zip/InflaterInputStream.html#read(byte%5B%5D,%20int,%20int)) in class [InflaterInputStream](http://docs.google.com/java/util/zip/InflaterInputStream.html) **Parameters:**b - the buffer into which the data is readoff - the start offset in the destination array blen - the maximum number of bytes read **Returns:**the actual number of bytes read, or -1 if the end of the entry is reached **Throws:** [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - If b is null. [IndexOutOfBoundsException](http://docs.google.com/java/lang/IndexOutOfBoundsException.html) - If off is negative, len is negative, or len is greater than b.length - off [ZipException](http://docs.google.com/java/util/zip/ZipException.html) - if a ZIP file error has occurred [IOException](http://docs.google.com/java/io/IOException.html) - if an I/O error has occurred**See Also:**[FilterInputStream.in](http://docs.google.com/java/io/FilterInputStream.html#in)

### skip

public long **skip**(long n)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Skips specified number of bytes in the current ZIP entry.

**Overrides:**[skip](http://docs.google.com/java/util/zip/InflaterInputStream.html#skip(long)) in class [InflaterInputStream](http://docs.google.com/java/util/zip/InflaterInputStream.html) **Parameters:**n - the number of bytes to skip **Returns:**the actual number of bytes skipped **Throws:** [ZipException](http://docs.google.com/java/util/zip/ZipException.html) - if a ZIP file error has occurred [IOException](http://docs.google.com/java/io/IOException.html) - if an I/O error has occurred [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if n < 0

### close

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

Closes this input stream and releases any system resources associated with the 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/util/zip/InflaterInputStream.html#close()) in class [InflaterInputStream](http://docs.google.com/java/util/zip/InflaterInputStream.html) **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if an I/O error has occurred**See Also:**[FilterInputStream.in](http://docs.google.com/java/io/FilterInputStream.html#in)

### createZipEntry

protected [ZipEntry](http://docs.google.com/java/util/zip/ZipEntry.html) **createZipEntry**([String](http://docs.google.com/java/lang/String.html) name)

Creates a new ZipEntry object for the specified entry name.

**Parameters:**name - the ZIP file entry name **Returns:**the ZipEntry just created

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ZipInputStream.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/ZipFile.html)   [**NEXT CLASS**](http://docs.google.com/java/util/zip/ZipOutputStream.html) | [**FRAMES**](http://docs.google.com/index.html?java/util/zip/ZipInputStream.html)    [**NO FRAMES**](http://docs.google.com/ZipInputStream.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#3dy6vkm) | [METHOD](#1t3h5sf) | DETAIL: [FIELD](#3rdcrjn) | [CONSTR](#111kx3o) | [METHOD](#206ipza) |

[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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