| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/JarEntry.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/jar/Attributes.Name.html)   [**NEXT CLASS**](http://docs.google.com/java/util/jar/JarException.html) | [**FRAMES**](http://docs.google.com/index.html?java/util/jar/JarEntry.html)    [**NO FRAMES**](http://docs.google.com/JarEntry.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: [FIELD](#2s8eyo1) | [CONSTR](#46r0co2) | [METHOD](#206ipza) |

## **java.util.jar**

Class JarEntry

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [java.util.zip.ZipEntry](http://docs.google.com/java/util/zip/ZipEntry.html)  
 **java.util.jar.JarEntry**

**All Implemented Interfaces:** [Cloneable](http://docs.google.com/java/lang/Cloneable.html)

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

This class is used to represent a JAR file entry.

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

| **Fields inherited from class java.util.zip.**[**ZipEntry**](http://docs.google.com/java/util/zip/ZipEntry.html) |
| --- |
| [DEFLATED](http://docs.google.com/java/util/zip/ZipEntry.html#DEFLATED), [STORED](http://docs.google.com/java/util/zip/ZipEntry.html#STORED) |

| **Constructor Summary** | |
| --- | --- |
| [**JarEntry**](http://docs.google.com/java/util/jar/JarEntry.html#JarEntry(java.util.jar.JarEntry))([JarEntry](http://docs.google.com/java/util/jar/JarEntry.html) je)            Creates a new JarEntry with fields taken from the specified JarEntry object. |
| [**JarEntry**](http://docs.google.com/java/util/jar/JarEntry.html#JarEntry(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Creates a new JarEntry for the specified JAR file entry name. |
| [**JarEntry**](http://docs.google.com/java/util/jar/JarEntry.html#JarEntry(java.util.zip.ZipEntry))([ZipEntry](http://docs.google.com/java/util/zip/ZipEntry.html) ze)            Creates a new JarEntry with fields taken from the specified ZipEntry object. |

| **Method Summary** | |
| --- | --- |
| [Attributes](http://docs.google.com/java/util/jar/Attributes.html) | [**getAttributes**](http://docs.google.com/java/util/jar/JarEntry.html#getAttributes())()            Returns the Manifest Attributes for this entry, or null if none. |
| [Certificate](http://docs.google.com/java/security/cert/Certificate.html)[] | [**getCertificates**](http://docs.google.com/java/util/jar/JarEntry.html#getCertificates())()            Returns the Certificate objects for this entry, or null if none. |
| [CodeSigner](http://docs.google.com/java/security/CodeSigner.html)[] | [**getCodeSigners**](http://docs.google.com/java/util/jar/JarEntry.html#getCodeSigners())()            Returns the CodeSigner objects for this entry, or null if none. |

| **Methods inherited from class java.util.zip.**[**ZipEntry**](http://docs.google.com/java/util/zip/ZipEntry.html) |
| --- |
| [clone](http://docs.google.com/java/util/zip/ZipEntry.html#clone()), [getComment](http://docs.google.com/java/util/zip/ZipEntry.html#getComment()), [getCompressedSize](http://docs.google.com/java/util/zip/ZipEntry.html#getCompressedSize()), [getCrc](http://docs.google.com/java/util/zip/ZipEntry.html#getCrc()), [getExtra](http://docs.google.com/java/util/zip/ZipEntry.html#getExtra()), [getMethod](http://docs.google.com/java/util/zip/ZipEntry.html#getMethod()), [getName](http://docs.google.com/java/util/zip/ZipEntry.html#getName()), [getSize](http://docs.google.com/java/util/zip/ZipEntry.html#getSize()), [getTime](http://docs.google.com/java/util/zip/ZipEntry.html#getTime()), [hashCode](http://docs.google.com/java/util/zip/ZipEntry.html#hashCode()), [isDirectory](http://docs.google.com/java/util/zip/ZipEntry.html#isDirectory()), [setComment](http://docs.google.com/java/util/zip/ZipEntry.html#setComment(java.lang.String)), [setCompressedSize](http://docs.google.com/java/util/zip/ZipEntry.html#setCompressedSize(long)), [setCrc](http://docs.google.com/java/util/zip/ZipEntry.html#setCrc(long)), [setExtra](http://docs.google.com/java/util/zip/ZipEntry.html#setExtra(byte%5B%5D)), [setMethod](http://docs.google.com/java/util/zip/ZipEntry.html#setMethod(int)), [setSize](http://docs.google.com/java/util/zip/ZipEntry.html#setSize(long)), [setTime](http://docs.google.com/java/util/zip/ZipEntry.html#setTime(long)), [toString](http://docs.google.com/java/util/zip/ZipEntry.html#toString()) |

| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/java/lang/Object.html) |
| --- |
| [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()), [notify](http://docs.google.com/java/lang/Object.html#notify()), [notifyAll](http://docs.google.com/java/lang/Object.html#notifyAll()), [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.jar.JarEntry.LOCSIG)

### EXTSIG

public static final long **EXTSIG**

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

### CENSIG

public static final long **CENSIG**

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

### ENDSIG

public static final long **ENDSIG**

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

### LOCHDR

public static final int **LOCHDR**

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

### EXTHDR

public static final int **EXTHDR**

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

### CENHDR

public static final int **CENHDR**

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

### ENDHDR

public static final int **ENDHDR**

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

### LOCVER

public static final int **LOCVER**

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

### LOCFLG

public static final int **LOCFLG**

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

### LOCHOW

public static final int **LOCHOW**

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

### LOCTIM

public static final int **LOCTIM**

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

### LOCCRC

public static final int **LOCCRC**

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

### LOCSIZ

public static final int **LOCSIZ**

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

### LOCLEN

public static final int **LOCLEN**

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

### LOCNAM

public static final int **LOCNAM**

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

### LOCEXT

public static final int **LOCEXT**

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

### EXTCRC

public static final int **EXTCRC**

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

### EXTSIZ

public static final int **EXTSIZ**

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

### EXTLEN

public static final int **EXTLEN**

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

### CENVEM

public static final int **CENVEM**

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

### CENVER

public static final int **CENVER**

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

### CENFLG

public static final int **CENFLG**

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

### CENHOW

public static final int **CENHOW**

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

### CENTIM

public static final int **CENTIM**

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

### CENCRC

public static final int **CENCRC**

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

### CENSIZ

public static final int **CENSIZ**

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

### CENLEN

public static final int **CENLEN**

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

### CENNAM

public static final int **CENNAM**

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

### CENEXT

public static final int **CENEXT**

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

### CENCOM

public static final int **CENCOM**

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

### CENDSK

public static final int **CENDSK**

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

### CENATT

public static final int **CENATT**

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

### CENATX

public static final int **CENATX**

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

### CENOFF

public static final int **CENOFF**

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

### ENDSUB

public static final int **ENDSUB**

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

### ENDTOT

public static final int **ENDTOT**

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

### ENDSIZ

public static final int **ENDSIZ**

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

### ENDOFF

public static final int **ENDOFF**

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

### ENDCOM

public static final int **ENDCOM**

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

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

### JarEntry

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

Creates a new JarEntry for the specified JAR file entry name.

**Parameters:**name - the JAR file entry name **Throws:** [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if the entry name is null [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if the entry name is longer than 0xFFFF bytes.

### JarEntry

public **JarEntry**([ZipEntry](http://docs.google.com/java/util/zip/ZipEntry.html) ze)

Creates a new JarEntry with fields taken from the specified ZipEntry object.

**Parameters:**ze - the ZipEntry object to create the JarEntry from

### JarEntry

public **JarEntry**([JarEntry](http://docs.google.com/java/util/jar/JarEntry.html) je)

Creates a new JarEntry with fields taken from the specified JarEntry object.

**Parameters:**je - the JarEntry to copy

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

### getAttributes

public [Attributes](http://docs.google.com/java/util/jar/Attributes.html) **getAttributes**()  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Returns the Manifest Attributes for this entry, or null if none.

**Returns:**the Manifest Attributes for this entry, or null if none **Throws:** [IOException](http://docs.google.com/java/io/IOException.html)

### getCertificates

public [Certificate](http://docs.google.com/java/security/cert/Certificate.html)[] **getCertificates**()

Returns the Certificate objects for this entry, or null if none. This method can only be called once the JarEntry has been completely verified by reading from the entry input stream until the end of the stream has been reached. Otherwise, this method will return null.

The returned certificate array comprises all the signer certificates that were used to verify this entry. Each signer certificate is followed by its supporting certificate chain (which may be empty). Each signer certificate and its supporting certificate chain are ordered bottom-to-top (i.e., with the signer certificate first and the (root) certificate authority last).

**Returns:**the Certificate objects for this entry, or null if none.

### getCodeSigners

public [CodeSigner](http://docs.google.com/java/security/CodeSigner.html)[] **getCodeSigners**()

Returns the CodeSigner objects for this entry, or null if none. This method can only be called once the JarEntry has been completely verified by reading from the entry input stream until the end of the stream has been reached. Otherwise, this method will return null.

The returned array comprises all the code signers that have signed this entry.

**Returns:**the CodeSigner objects for this entry, or null if none.**Since:** 1.5

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/JarEntry.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/jar/Attributes.Name.html)   [**NEXT CLASS**](http://docs.google.com/java/util/jar/JarException.html) | [**FRAMES**](http://docs.google.com/index.html?java/util/jar/JarEntry.html)    [**NO FRAMES**](http://docs.google.com/JarEntry.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: [FIELD](#2s8eyo1) | [CONSTR](#46r0co2) | [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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