| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | Class | Use | **Tree** | [**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**](http://docs.google.com/java/util/concurrent/locks/package-tree.html)   [**NEXT**](http://docs.google.com/java/util/logging/package-tree.html) | [**FRAMES**](http://docs.google.com/index.html?java/util/jar/package-tree.html)    [**NO FRAMES**](http://docs.google.com/package-tree.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

Hierarchy For Package java.util.jar

**Package Hierarchies:**[All Packages](http://docs.google.com/overview-tree.html)

## Class Hierarchy

* java.lang.[**Object**](http://docs.google.com/java/lang/Object.html)
  + java.util.jar.[**Attributes**](http://docs.google.com/java/util/jar/Attributes.html) (implements java.lang.[Cloneable](http://docs.google.com/java/lang/Cloneable.html), java.util.[Map](http://docs.google.com/java/util/Map.html)<K,V>)
  + java.util.jar.[**Attributes.Name**](http://docs.google.com/java/util/jar/Attributes.Name.html)
  + java.io.[**InputStream**](http://docs.google.com/java/io/InputStream.html) (implements java.io.[Closeable](http://docs.google.com/java/io/Closeable.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**](http://docs.google.com/java/util/zip/ZipInputStream.html)

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

* + java.util.jar.[**Manifest**](http://docs.google.com/java/util/jar/Manifest.html) (implements java.lang.[Cloneable](http://docs.google.com/java/lang/Cloneable.html))
  + java.io.[**OutputStream**](http://docs.google.com/java/io/OutputStream.html) (implements java.io.[Closeable](http://docs.google.com/java/io/Closeable.html), java.io.[Flushable](http://docs.google.com/java/io/Flushable.html))
    - java.io.[**FilterOutputStream**](http://docs.google.com/java/io/FilterOutputStream.html)
      * java.util.zip.[**DeflaterOutputStream**](http://docs.google.com/java/util/zip/DeflaterOutputStream.html)
        + java.util.zip.[**ZipOutputStream**](http://docs.google.com/java/util/zip/ZipOutputStream.html)

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

* + java.util.jar.[**Pack200**](http://docs.google.com/java/util/jar/Pack200.html)
  + java.lang.[**Throwable**](http://docs.google.com/java/lang/Throwable.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
    - java.lang.[**Exception**](http://docs.google.com/java/lang/Exception.html)
      * java.io.[**IOException**](http://docs.google.com/java/io/IOException.html)
        + java.util.zip.[**ZipException**](http://docs.google.com/java/util/zip/ZipException.html)

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

* + java.util.zip.[**ZipEntry**](http://docs.google.com/java/util/zip/ZipEntry.html) (implements java.lang.[Cloneable](http://docs.google.com/java/lang/Cloneable.html))
    - java.util.jar.[**JarEntry**](http://docs.google.com/java/util/jar/JarEntry.html)
  + java.util.zip.[**ZipFile**](http://docs.google.com/java/util/zip/ZipFile.html)
    - java.util.jar.[**JarFile**](http://docs.google.com/java/util/jar/JarFile.html)

## Interface Hierarchy

* java.util.jar.[**Pack200.Packer**](http://docs.google.com/java/util/jar/Pack200.Packer.html)
* java.util.jar.[**Pack200.Unpacker**](http://docs.google.com/java/util/jar/Pack200.Unpacker.html)

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | Class | Use | **Tree** | [**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**](http://docs.google.com/java/util/concurrent/locks/package-tree.html)   [**NEXT**](http://docs.google.com/java/util/logging/package-tree.html) | [**FRAMES**](http://docs.google.com/index.html?java/util/jar/package-tree.html)    [**NO FRAMES**](http://docs.google.com/package-tree.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

[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.

Copyright 2006 Sun Microsystems, Inc. All rights reserved. Use is subject to [license terms](http://docs.google.com/legal/license.html). Also see the [documentation redistribution policy](http://java.sun.com/docs/redist.html).