| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Attributes.Name.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.html)   [**NEXT CLASS**](http://docs.google.com/java/util/jar/JarEntry.html) | [**FRAMES**](http://docs.google.com/index.html?java/util/jar/Attributes.Name.html)    [**NO FRAMES**](http://docs.google.com/Attributes.Name.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#1t3h5sf) | [CONSTR](#2bn6wsx) | [METHOD](#3as4poj) |

## **java.util.jar**

Class Attributes.Name

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **java.util.jar.Attributes.Name**

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

public static class **Attributes.Name**extends [Object](http://docs.google.com/java/lang/Object.html)

The Attributes.Name class represents an attribute name stored in this Map. Valid attribute names are case-insensitive, are restricted to the ASCII characters in the set [0-9a-zA-Z\_-], and cannot exceed 70 characters in length. Attribute values can contain any characters and will be UTF8-encoded when written to the output stream. See the [JAR File Specification](http://docs.google.com/technotes/guides/jar/jar.html) for more information about valid attribute names and values.

| **Field Summary** | |
| --- | --- |
| static [Attributes.Name](http://docs.google.com/java/util/jar/Attributes.Name.html) | [**CLASS\_PATH**](http://docs.google.com/java/util/jar/Attributes.Name.html#CLASS_PATH)            Name object for Class-Path manifest attribute. |
| static [Attributes.Name](http://docs.google.com/java/util/jar/Attributes.Name.html) | [**CONTENT\_TYPE**](http://docs.google.com/java/util/jar/Attributes.Name.html#CONTENT_TYPE)            Name object for Content-Type manifest attribute. |
| static [Attributes.Name](http://docs.google.com/java/util/jar/Attributes.Name.html) | [**EXTENSION\_INSTALLATION**](http://docs.google.com/java/util/jar/Attributes.Name.html#EXTENSION_INSTALLATION)            Name object for Extension-Name manifest attribute used for declaring dependencies on installed extensions. |
| static [Attributes.Name](http://docs.google.com/java/util/jar/Attributes.Name.html) | [**EXTENSION\_LIST**](http://docs.google.com/java/util/jar/Attributes.Name.html#EXTENSION_LIST)            Name object for Extension-List manifest attribute used for declaring dependencies on installed extensions. |
| static [Attributes.Name](http://docs.google.com/java/util/jar/Attributes.Name.html) | [**EXTENSION\_NAME**](http://docs.google.com/java/util/jar/Attributes.Name.html#EXTENSION_NAME)            Name object for Extension-Name manifest attribute used for declaring dependencies on installed extensions. |
| static [Attributes.Name](http://docs.google.com/java/util/jar/Attributes.Name.html) | [**IMPLEMENTATION\_TITLE**](http://docs.google.com/java/util/jar/Attributes.Name.html#IMPLEMENTATION_TITLE)            Name object for Implementation-Title manifest attribute used for package versioning. |
| static [Attributes.Name](http://docs.google.com/java/util/jar/Attributes.Name.html) | [**IMPLEMENTATION\_URL**](http://docs.google.com/java/util/jar/Attributes.Name.html#IMPLEMENTATION_URL)            Name object for Implementation-Vendor-URL manifest attribute used for package versioning. |
| static [Attributes.Name](http://docs.google.com/java/util/jar/Attributes.Name.html) | [**IMPLEMENTATION\_VENDOR**](http://docs.google.com/java/util/jar/Attributes.Name.html#IMPLEMENTATION_VENDOR)            Name object for Implementation-Vendor manifest attribute used for package versioning. |
| static [Attributes.Name](http://docs.google.com/java/util/jar/Attributes.Name.html) | [**IMPLEMENTATION\_VENDOR\_ID**](http://docs.google.com/java/util/jar/Attributes.Name.html#IMPLEMENTATION_VENDOR_ID)            Name object for Implementation-Vendor-Id manifest attribute used for package versioning. |
| static [Attributes.Name](http://docs.google.com/java/util/jar/Attributes.Name.html) | [**IMPLEMENTATION\_VERSION**](http://docs.google.com/java/util/jar/Attributes.Name.html#IMPLEMENTATION_VERSION)            Name object for Implementation-Version manifest attribute used for package versioning. |
| static [Attributes.Name](http://docs.google.com/java/util/jar/Attributes.Name.html) | [**MAIN\_CLASS**](http://docs.google.com/java/util/jar/Attributes.Name.html#MAIN_CLASS)            Name object for Main-Class manifest attribute used for launching applications packaged in JAR files. |
| static [Attributes.Name](http://docs.google.com/java/util/jar/Attributes.Name.html) | [**MANIFEST\_VERSION**](http://docs.google.com/java/util/jar/Attributes.Name.html#MANIFEST_VERSION)            Name object for Manifest-Version manifest attribute. |
| static [Attributes.Name](http://docs.google.com/java/util/jar/Attributes.Name.html) | [**SEALED**](http://docs.google.com/java/util/jar/Attributes.Name.html#SEALED)            Name object for Sealed manifest attribute used for sealing. |
| static [Attributes.Name](http://docs.google.com/java/util/jar/Attributes.Name.html) | [**SIGNATURE\_VERSION**](http://docs.google.com/java/util/jar/Attributes.Name.html#SIGNATURE_VERSION)            Name object for Signature-Version manifest attribute used when signing JAR files. |
| static [Attributes.Name](http://docs.google.com/java/util/jar/Attributes.Name.html) | [**SPECIFICATION\_TITLE**](http://docs.google.com/java/util/jar/Attributes.Name.html#SPECIFICATION_TITLE)            Name object for Specification-Title manifest attribute used for package versioning. |
| static [Attributes.Name](http://docs.google.com/java/util/jar/Attributes.Name.html) | [**SPECIFICATION\_VENDOR**](http://docs.google.com/java/util/jar/Attributes.Name.html#SPECIFICATION_VENDOR)            Name object for Specification-Vendor manifest attribute used for package versioning. |
| static [Attributes.Name](http://docs.google.com/java/util/jar/Attributes.Name.html) | [**SPECIFICATION\_VERSION**](http://docs.google.com/java/util/jar/Attributes.Name.html#SPECIFICATION_VERSION)            Name object for Specification-Version manifest attribute used for package versioning. |

| **Constructor Summary** | |
| --- | --- |
| [**Attributes.Name**](http://docs.google.com/java/util/jar/Attributes.Name.html#Attributes.Name(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Constructs a new attribute name using the given string name. |

| **Method Summary** | |
| --- | --- |
| boolean | [**equals**](http://docs.google.com/java/util/jar/Attributes.Name.html#equals(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) o)            Compares this attribute name to another for equality. |
| int | [**hashCode**](http://docs.google.com/java/util/jar/Attributes.Name.html#hashCode())()            Computes the hash value for this attribute name. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/java/util/jar/Attributes.Name.html#toString())()            Returns the attribute name as a String. |

| **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()), [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** |
| --- |

### MANIFEST\_VERSION

public static final [Attributes.Name](http://docs.google.com/java/util/jar/Attributes.Name.html) **MANIFEST\_VERSION**

Name object for Manifest-Version manifest attribute. This attribute indicates the version number of the manifest standard to which a JAR file's manifest conforms.

**See Also:** [Manifest and Signature Specification](http://docs.google.com/technotes/guides/jar/jar.html#JAR%20Manifest)

### SIGNATURE\_VERSION

public static final [Attributes.Name](http://docs.google.com/java/util/jar/Attributes.Name.html) **SIGNATURE\_VERSION**

Name object for Signature-Version manifest attribute used when signing JAR files.

**See Also:** [Manifest and Signature Specification](http://docs.google.com/technotes/guides/jar/jar.html#JAR%20Manifest)

### CONTENT\_TYPE

public static final [Attributes.Name](http://docs.google.com/java/util/jar/Attributes.Name.html) **CONTENT\_TYPE**

Name object for Content-Type manifest attribute.

### CLASS\_PATH

public static final [Attributes.Name](http://docs.google.com/java/util/jar/Attributes.Name.html) **CLASS\_PATH**

Name object for Class-Path manifest attribute. Bundled extensions can use this attribute to find other JAR files containing needed classes.

**See Also:** [Extensions Specification](http://docs.google.com/technotes/guides/extensions/spec.html#bundled)

### MAIN\_CLASS

public static final [Attributes.Name](http://docs.google.com/java/util/jar/Attributes.Name.html) **MAIN\_CLASS**

Name object for Main-Class manifest attribute used for launching applications packaged in JAR files. The Main-Class attribute is used in conjunction with the -jar command-line option of the java application launcher.

### SEALED

public static final [Attributes.Name](http://docs.google.com/java/util/jar/Attributes.Name.html) **SEALED**

Name object for Sealed manifest attribute used for sealing.

**See Also:** [Extension Sealing](http://docs.google.com/technotes/guides/extensions/spec.html#sealing)

### EXTENSION\_LIST

public static final [Attributes.Name](http://docs.google.com/java/util/jar/Attributes.Name.html) **EXTENSION\_LIST**

Name object for Extension-List manifest attribute used for declaring dependencies on installed extensions.

**See Also:** [Installed extension dependency](http://docs.google.com/technotes/guides/extensions/spec.html#dependency)

### EXTENSION\_NAME

public static final [Attributes.Name](http://docs.google.com/java/util/jar/Attributes.Name.html) **EXTENSION\_NAME**

Name object for Extension-Name manifest attribute used for declaring dependencies on installed extensions.

**See Also:** [Installed extension dependency](http://docs.google.com/technotes/guides/extensions/spec.html#dependency)

### EXTENSION\_INSTALLATION

public static final [Attributes.Name](http://docs.google.com/java/util/jar/Attributes.Name.html) **EXTENSION\_INSTALLATION**

Name object for Extension-Name manifest attribute used for declaring dependencies on installed extensions.

**See Also:** [Installed extension dependency](http://docs.google.com/technotes/guides/extensions/spec.html#dependency)

### IMPLEMENTATION\_TITLE

public static final [Attributes.Name](http://docs.google.com/java/util/jar/Attributes.Name.html) **IMPLEMENTATION\_TITLE**

Name object for Implementation-Title manifest attribute used for package versioning.

**See Also:** [Java Product Versioning Specification](http://docs.google.com/technotes/guides/versioning/spec/versioning2.html#wp90779)

### IMPLEMENTATION\_VERSION

public static final [Attributes.Name](http://docs.google.com/java/util/jar/Attributes.Name.html) **IMPLEMENTATION\_VERSION**

Name object for Implementation-Version manifest attribute used for package versioning.

**See Also:** [Java Product Versioning Specification](http://docs.google.com/technotes/guides/versioning/spec/versioning2.html#wp90779)

### IMPLEMENTATION\_VENDOR

public static final [Attributes.Name](http://docs.google.com/java/util/jar/Attributes.Name.html) **IMPLEMENTATION\_VENDOR**

Name object for Implementation-Vendor manifest attribute used for package versioning.

**See Also:** [Java Product Versioning Specification](http://docs.google.com/technotes/guides/versioning/spec/versioning2.html#wp90779)

### IMPLEMENTATION\_VENDOR\_ID

public static final [Attributes.Name](http://docs.google.com/java/util/jar/Attributes.Name.html) **IMPLEMENTATION\_VENDOR\_ID**

Name object for Implementation-Vendor-Id manifest attribute used for package versioning.

**See Also:** [Java Product Versioning Specification](http://docs.google.com/technotes/guides/versioning/spec/versioning2.html#wp90779)

### IMPLEMENTATION\_URL

public static final [Attributes.Name](http://docs.google.com/java/util/jar/Attributes.Name.html) **IMPLEMENTATION\_URL**

Name object for Implementation-Vendor-URL manifest attribute used for package versioning.

**See Also:** [Java Product Versioning Specification](http://docs.google.com/technotes/guides/versioning/spec/versioning2.html#wp90779)

### SPECIFICATION\_TITLE

public static final [Attributes.Name](http://docs.google.com/java/util/jar/Attributes.Name.html) **SPECIFICATION\_TITLE**

Name object for Specification-Title manifest attribute used for package versioning.

**See Also:** [Java Product Versioning Specification](http://docs.google.com/technotes/guides/versioning/spec/versioning2.html#wp90779)

### SPECIFICATION\_VERSION

public static final [Attributes.Name](http://docs.google.com/java/util/jar/Attributes.Name.html) **SPECIFICATION\_VERSION**

Name object for Specification-Version manifest attribute used for package versioning.

**See Also:** [Java Product Versioning Specification](http://docs.google.com/technotes/guides/versioning/spec/versioning2.html#wp90779)

### SPECIFICATION\_VENDOR

public static final [Attributes.Name](http://docs.google.com/java/util/jar/Attributes.Name.html) **SPECIFICATION\_VENDOR**

Name object for Specification-Vendor manifest attribute used for package versioning.

**See Also:** [Java Product Versioning Specification](http://docs.google.com/technotes/guides/versioning/spec/versioning2.html#wp90779)

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

### Attributes.Name

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

Constructs a new attribute name using the given string name.

**Parameters:**name - the attribute string name **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if the attribute name was invalid [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if the attribute name was null

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

### equals

public boolean **equals**([Object](http://docs.google.com/java/lang/Object.html) o)

Compares this attribute name to another for equality.

**Overrides:**[equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)) in class [Object](http://docs.google.com/java/lang/Object.html) **Parameters:**o - the object to compare **Returns:**true if this attribute name is equal to the specified attribute object**See Also:**[Object.hashCode()](http://docs.google.com/java/lang/Object.html#hashCode()), [Hashtable](http://docs.google.com/java/util/Hashtable.html)

### hashCode

public int **hashCode**()

Computes the hash value for this attribute name.

**Overrides:**[hashCode](http://docs.google.com/java/lang/Object.html#hashCode()) in class [Object](http://docs.google.com/java/lang/Object.html) **Returns:**a hash code value for this object.**See Also:**[Object.equals(java.lang.Object)](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [Hashtable](http://docs.google.com/java/util/Hashtable.html)

### toString

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

Returns the attribute name as a String.

**Overrides:**[toString](http://docs.google.com/java/lang/Object.html#toString()) in class [Object](http://docs.google.com/java/lang/Object.html) **Returns:**a string representation of the object.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Attributes.Name.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.html)   [**NEXT CLASS**](http://docs.google.com/java/util/jar/JarEntry.html) | [**FRAMES**](http://docs.google.com/index.html?java/util/jar/Attributes.Name.html)    [**NO FRAMES**](http://docs.google.com/Attributes.Name.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#1t3h5sf) | [CONSTR](#2bn6wsx) | [METHOD](#3as4poj) |

[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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