| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/CodeSigner.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/security/Certificate.html)   [**NEXT CLASS**](http://docs.google.com/java/security/CodeSource.html) | [**FRAMES**](http://docs.google.com/index.html?java/security/CodeSigner.html)    [**NO FRAMES**](http://docs.google.com/CodeSigner.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

## **java.security**

Class CodeSigner

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

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

public final class **CodeSigner**extends [Object](http://docs.google.com/java/lang/Object.html)implements [Serializable](http://docs.google.com/java/io/Serializable.html)

This class encapsulates information about a code signer. It is immutable.

**Since:** 1.5 **See Also:**[Serialized Form](http://docs.google.com/serialized-form.html#java.security.CodeSigner)

| **Constructor Summary** | |
| --- | --- |
| [**CodeSigner**](http://docs.google.com/java/security/CodeSigner.html#CodeSigner(java.security.cert.CertPath,%20java.security.Timestamp))([CertPath](http://docs.google.com/java/security/cert/CertPath.html) signerCertPath, [Timestamp](http://docs.google.com/java/security/Timestamp.html) timestamp)            Constructs a CodeSigner object. |

| **Method Summary** | |
| --- | --- |
| boolean | [**equals**](http://docs.google.com/java/security/CodeSigner.html#equals(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) obj)            Tests for equality between the specified object and this code signer. |
| [CertPath](http://docs.google.com/java/security/cert/CertPath.html) | [**getSignerCertPath**](http://docs.google.com/java/security/CodeSigner.html#getSignerCertPath())()            Returns the signer's certificate path. |
| [Timestamp](http://docs.google.com/java/security/Timestamp.html) | [**getTimestamp**](http://docs.google.com/java/security/CodeSigner.html#getTimestamp())()            Returns the signature timestamp. |
| int | [**hashCode**](http://docs.google.com/java/security/CodeSigner.html#hashCode())()            Returns the hash code value for this code signer. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/java/security/CodeSigner.html#toString())()            Returns a string describing this code signer. |

| **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)) |

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

### CodeSigner

public **CodeSigner**([CertPath](http://docs.google.com/java/security/cert/CertPath.html) signerCertPath,  
 [Timestamp](http://docs.google.com/java/security/Timestamp.html) timestamp)

Constructs a CodeSigner object.

**Parameters:**signerCertPath - The signer's certificate path. It must not be null.timestamp - A signature timestamp. If null then no timestamp was generated for the signature. **Throws:** [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if signerCertPath is null.

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

### getSignerCertPath

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

Returns the signer's certificate path.

**Returns:**A certificate path.

### getTimestamp

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

Returns the signature timestamp.

**Returns:**The timestamp or null if none is present.

### hashCode

public int **hashCode**()

Returns the hash code value for this code signer. The hash code is generated using the signer's certificate path and the timestamp, if present.

**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 code signer.**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)

### equals

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

Tests for equality between the specified object and this code signer. Two code signers are considered equal if their signer certificate paths are equal and if their timestamps are equal, if present in both.

**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:**obj - the object to test for equality with this object. **Returns:**true if the objects are considered equal, false otherwise.**See Also:**[Object.hashCode()](http://docs.google.com/java/lang/Object.html#hashCode()), [Hashtable](http://docs.google.com/java/util/Hashtable.html)

### toString

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

Returns a string describing this code signer.

**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 comprising the signer's certificate and a timestamp, if present.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/CodeSigner.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*** |
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| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

[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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