| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SecretKey.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/javax/crypto/SealedObject.html)   [**NEXT CLASS**](http://docs.google.com/javax/crypto/SecretKeyFactory.html) | [**FRAMES**](http://docs.google.com/index.html?javax/crypto/SecretKey.html)    [**NO FRAMES**](http://docs.google.com/SecretKey.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | CONSTR | METHOD | DETAIL: [FIELD](#3dy6vkm) | CONSTR | METHOD |

## **javax.crypto**

Interface SecretKey

**All Superinterfaces:** [Key](http://docs.google.com/java/security/Key.html), [Serializable](http://docs.google.com/java/io/Serializable.html) **All Known Subinterfaces:** [PBEKey](http://docs.google.com/javax/crypto/interfaces/PBEKey.html) **All Known Implementing Classes:** [KerberosKey](http://docs.google.com/javax/security/auth/kerberos/KerberosKey.html), [SecretKeySpec](http://docs.google.com/javax/crypto/spec/SecretKeySpec.html)

public interface **SecretKey**extends [Key](http://docs.google.com/java/security/Key.html)

A secret (symmetric) key.

This interface contains no methods or constants. Its only purpose is to group (and provide type safety for) secret keys.

Provider implementations of this interface must overwrite the equals and hashCode methods inherited from java.lang.Object, so that secret keys are compared based on their underlying key material and not based on reference.

Keys that implement this interface return the string RAW as their encoding format (see getFormat), and return the raw key bytes as the result of a getEncoded method call. (The getFormat and getEncoded methods are inherited from the java.security.Key parent interface.)

**Since:** 1.4 **See Also:**[SecretKeyFactory](http://docs.google.com/javax/crypto/SecretKeyFactory.html), [Cipher](http://docs.google.com/javax/crypto/Cipher.html)

| **Field Summary** | |
| --- | --- |
| static long | [**serialVersionUID**](http://docs.google.com/javax/crypto/SecretKey.html#serialVersionUID)            The class fingerprint that is set to indicate serialization compatibility since J2SE 1.4. |

| **Method Summary** | |
| --- | --- |

| **Methods inherited from interface java.security.**[**Key**](http://docs.google.com/java/security/Key.html) |
| --- |
| [getAlgorithm](http://docs.google.com/java/security/Key.html#getAlgorithm()), [getEncoded](http://docs.google.com/java/security/Key.html#getEncoded()), [getFormat](http://docs.google.com/java/security/Key.html#getFormat()) |

| **Field Detail** |
| --- |

### serialVersionUID

static final long **serialVersionUID**

The class fingerprint that is set to indicate serialization compatibility since J2SE 1.4.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.crypto.SecretKey.serialVersionUID)

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SecretKey.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/javax/crypto/SealedObject.html)   [**NEXT CLASS**](http://docs.google.com/javax/crypto/SecretKeyFactory.html) | [**FRAMES**](http://docs.google.com/index.html?javax/crypto/SecretKey.html)    [**NO FRAMES**](http://docs.google.com/SecretKey.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | CONSTR | METHOD | DETAIL: [FIELD](#3dy6vkm) | CONSTR | METHOD |

[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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