| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | Class | **Use** | [**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   NEXT | [**FRAMES**](http://docs.google.com/index.html?javax/crypto/package-use.html)    [**NO FRAMES**](http://docs.google.com/package-use.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Package**

**javax.crypto**

| Packages that use [javax.crypto](http://docs.google.com/javax/crypto/package-summary.html) | |
| --- | --- |
| [**java.security**](#3znysh7) | Provides the classes and interfaces for the security framework. |
| [**javax.crypto**](#2et92p0) | Provides the classes and interfaces for cryptographic operations. |
| [**javax.crypto.interfaces**](#tyjcwt) | Provides interfaces for Diffie-Hellman keys as defined in RSA Laboratories' PKCS #3. |
| [**javax.crypto.spec**](#3dy6vkm) | Provides classes and interfaces for key specifications and algorithm parameter specifications. |
| [**javax.security.auth.kerberos**](#1t3h5sf) | This package contains utility classes related to the Kerberos network authentication protocol. |

| Classes in [javax.crypto](http://docs.google.com/javax/crypto/package-summary.html) used by [java.security](http://docs.google.com/java/security/package-summary.html) | |
| --- | --- |
| [**SecretKey**](http://docs.google.com/javax/crypto/class-use/SecretKey.html#java.security)            A secret (symmetric) key. |

| Classes in [javax.crypto](http://docs.google.com/javax/crypto/package-summary.html) used by [javax.crypto](http://docs.google.com/javax/crypto/package-summary.html) | |
| --- | --- |
| [**BadPaddingException**](http://docs.google.com/javax/crypto/class-use/BadPaddingException.html#javax.crypto)            This exception is thrown when a particular padding mechanism is expected for the input data but the data is not padded properly. |
| [**Cipher**](http://docs.google.com/javax/crypto/class-use/Cipher.html#javax.crypto)            This class provides the functionality of a cryptographic cipher for encryption and decryption. |
| [**CipherSpi**](http://docs.google.com/javax/crypto/class-use/CipherSpi.html#javax.crypto)            This class defines the *Service Provider Interface* (**SPI**) for the Cipher class. |
| [**ExemptionMechanism**](http://docs.google.com/javax/crypto/class-use/ExemptionMechanism.html#javax.crypto)            This class provides the functionality of an exemption mechanism, examples of which are *key recovery*, *key weakening*, and *key escrow*. |
| [**ExemptionMechanismException**](http://docs.google.com/javax/crypto/class-use/ExemptionMechanismException.html#javax.crypto)            This is the generic ExemptionMechanism exception. |
| [**ExemptionMechanismSpi**](http://docs.google.com/javax/crypto/class-use/ExemptionMechanismSpi.html#javax.crypto)            This class defines the *Service Provider Interface* (**SPI**) for the ExemptionMechanism class. |
| [**IllegalBlockSizeException**](http://docs.google.com/javax/crypto/class-use/IllegalBlockSizeException.html#javax.crypto)            This exception is thrown when the length of data provided to a block cipher is incorrect, i.e., does not match the block size of the cipher. |
| [**KeyAgreement**](http://docs.google.com/javax/crypto/class-use/KeyAgreement.html#javax.crypto)            This class provides the functionality of a key agreement (or key exchange) protocol. |
| [**KeyAgreementSpi**](http://docs.google.com/javax/crypto/class-use/KeyAgreementSpi.html#javax.crypto)            This class defines the *Service Provider Interface* (**SPI**) for the KeyAgreement class. |
| [**KeyGenerator**](http://docs.google.com/javax/crypto/class-use/KeyGenerator.html#javax.crypto)            This class provides the functionality of a secret (symmetric) key generator. |
| [**KeyGeneratorSpi**](http://docs.google.com/javax/crypto/class-use/KeyGeneratorSpi.html#javax.crypto)            This class defines the *Service Provider Interface* (**SPI**) for the KeyGenerator class. |
| [**Mac**](http://docs.google.com/javax/crypto/class-use/Mac.html#javax.crypto)            This class provides the functionality of a "Message Authentication Code" (MAC) algorithm. |
| [**MacSpi**](http://docs.google.com/javax/crypto/class-use/MacSpi.html#javax.crypto)            This class defines the *Service Provider Interface* (**SPI**) for the Mac class. |
| [**NoSuchPaddingException**](http://docs.google.com/javax/crypto/class-use/NoSuchPaddingException.html#javax.crypto)            This exception is thrown when a particular padding mechanism is requested but is not available in the environment. |
| [**SealedObject**](http://docs.google.com/javax/crypto/class-use/SealedObject.html#javax.crypto)            This class enables a programmer to create an object and protect its confidentiality with a cryptographic algorithm. |
| [**SecretKey**](http://docs.google.com/javax/crypto/class-use/SecretKey.html#javax.crypto)            A secret (symmetric) key. |
| [**SecretKeyFactory**](http://docs.google.com/javax/crypto/class-use/SecretKeyFactory.html#javax.crypto)            This class represents a factory for secret keys. |
| [**SecretKeyFactorySpi**](http://docs.google.com/javax/crypto/class-use/SecretKeyFactorySpi.html#javax.crypto)            This class defines the *Service Provider Interface* (**SPI**) for the SecretKeyFactory class. |
| [**ShortBufferException**](http://docs.google.com/javax/crypto/class-use/ShortBufferException.html#javax.crypto)            This exception is thrown when an output buffer provided by the user is too short to hold the operation result. |

| Classes in [javax.crypto](http://docs.google.com/javax/crypto/package-summary.html) used by [javax.crypto.interfaces](http://docs.google.com/javax/crypto/interfaces/package-summary.html) | |
| --- | --- |
| [**SecretKey**](http://docs.google.com/javax/crypto/class-use/SecretKey.html#javax.crypto.interfaces)            A secret (symmetric) key. |

| Classes in [javax.crypto](http://docs.google.com/javax/crypto/package-summary.html) used by [javax.crypto.spec](http://docs.google.com/javax/crypto/spec/package-summary.html) | |
| --- | --- |
| [**SecretKey**](http://docs.google.com/javax/crypto/class-use/SecretKey.html#javax.crypto.spec)            A secret (symmetric) key. |

| Classes in [javax.crypto](http://docs.google.com/javax/crypto/package-summary.html) used by [javax.security.auth.kerberos](http://docs.google.com/javax/security/auth/kerberos/package-summary.html) | |
| --- | --- |
| [**SecretKey**](http://docs.google.com/javax/crypto/class-use/SecretKey.html#javax.security.auth.kerberos)            A secret (symmetric) key. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | Class | **Use** | [**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   NEXT | [**FRAMES**](http://docs.google.com/index.html?javax/crypto/package-use.html)    [**NO FRAMES**](http://docs.google.com/package-use.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).