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

**Uses of Class**

**javax.crypto.Cipher**

| Packages that use [Cipher](http://docs.google.com/javax/crypto/Cipher.html) | |
| --- | --- |
| [**javax.crypto**](#3znysh7) | Provides the classes and interfaces for cryptographic operations. |

| Uses of [Cipher](http://docs.google.com/javax/crypto/Cipher.html) in [javax.crypto](http://docs.google.com/javax/crypto/package-summary.html) | |
| --- | --- |

| Subclasses of [Cipher](http://docs.google.com/javax/crypto/Cipher.html) in [javax.crypto](http://docs.google.com/javax/crypto/package-summary.html) | |
| --- | --- |
| class | [**NullCipher**](http://docs.google.com/javax/crypto/NullCipher.html)            The NullCipher class is a class that provides an "identity cipher" -- one that does not tranform the plaintext. |

| Methods in [javax.crypto](http://docs.google.com/javax/crypto/package-summary.html) that return [Cipher](http://docs.google.com/javax/crypto/Cipher.html) | |
| --- | --- |
| static [Cipher](http://docs.google.com/javax/crypto/Cipher.html) | **Cipher.**[**getInstance**](http://docs.google.com/javax/crypto/Cipher.html#getInstance(java.lang.String))([String](http://docs.google.com/java/lang/String.html) transformation)            Returns a Cipher object that implements the specified transformation. |
| static [Cipher](http://docs.google.com/javax/crypto/Cipher.html) | **Cipher.**[**getInstance**](http://docs.google.com/javax/crypto/Cipher.html#getInstance(java.lang.String,%20java.security.Provider))([String](http://docs.google.com/java/lang/String.html) transformation, [Provider](http://docs.google.com/java/security/Provider.html) provider)            Returns a Cipher object that implements the specified transformation. |
| static [Cipher](http://docs.google.com/javax/crypto/Cipher.html) | **Cipher.**[**getInstance**](http://docs.google.com/javax/crypto/Cipher.html#getInstance(java.lang.String,%20java.lang.String))([String](http://docs.google.com/java/lang/String.html) transformation, [String](http://docs.google.com/java/lang/String.html) provider)            Returns a Cipher object that implements the specified transformation. |

| Methods in [javax.crypto](http://docs.google.com/javax/crypto/package-summary.html) with parameters of type [Cipher](http://docs.google.com/javax/crypto/Cipher.html) | |
| --- | --- |
| [PKCS8EncodedKeySpec](http://docs.google.com/java/security/spec/PKCS8EncodedKeySpec.html) | **EncryptedPrivateKeyInfo.**[**getKeySpec**](http://docs.google.com/javax/crypto/EncryptedPrivateKeyInfo.html#getKeySpec(javax.crypto.Cipher))([Cipher](http://docs.google.com/javax/crypto/Cipher.html) cipher)            Extract the enclosed PKCS8EncodedKeySpec object from the encrypted data and return it. |
| [Object](http://docs.google.com/java/lang/Object.html) | **SealedObject.**[**getObject**](http://docs.google.com/javax/crypto/SealedObject.html#getObject(javax.crypto.Cipher))([Cipher](http://docs.google.com/javax/crypto/Cipher.html) c)            Retrieves the original (encapsulated) object. |

| Constructors in [javax.crypto](http://docs.google.com/javax/crypto/package-summary.html) with parameters of type [Cipher](http://docs.google.com/javax/crypto/Cipher.html) | |
| --- | --- |
| [**CipherInputStream**](http://docs.google.com/javax/crypto/CipherInputStream.html#CipherInputStream(java.io.InputStream,%20javax.crypto.Cipher))([InputStream](http://docs.google.com/java/io/InputStream.html) is, [Cipher](http://docs.google.com/javax/crypto/Cipher.html) c)            Constructs a CipherInputStream from an InputStream and a Cipher. |
| [**CipherOutputStream**](http://docs.google.com/javax/crypto/CipherOutputStream.html#CipherOutputStream(java.io.OutputStream,%20javax.crypto.Cipher))([OutputStream](http://docs.google.com/java/io/OutputStream.html) os, [Cipher](http://docs.google.com/javax/crypto/Cipher.html) c)            Constructs a CipherOutputStream from an OutputStream and a Cipher. |
| [**SealedObject**](http://docs.google.com/javax/crypto/SealedObject.html#SealedObject(java.io.Serializable,%20javax.crypto.Cipher))([Serializable](http://docs.google.com/java/io/Serializable.html) object, [Cipher](http://docs.google.com/javax/crypto/Cipher.html) c)            Constructs a SealedObject from any Serializable object. |

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[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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