| | [**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?java/security/spec/package-use.html)    [**NO FRAMES**](http://docs.google.com/package-use.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Package**

**java.security.spec**

| Packages that use [java.security.spec](http://docs.google.com/java/security/spec/package-summary.html) | |
| --- | --- |
| [**java.security**](#3znysh7) | Provides the classes and interfaces for the security framework. |
| [**java.security.interfaces**](#2et92p0) | Provides interfaces for generating RSA (Rivest, Shamir and Adleman AsymmetricCipher algorithm) keys as defined in the RSA Laboratory Technical Note PKCS#1, and DSA (Digital Signature Algorithm) keys as defined in NIST's FIPS-186. |
| [**java.security.spec**](#tyjcwt) | Provides classes and interfaces for key specifications and algorithm parameter specifications. |
| [**javax.crypto**](#3dy6vkm) | Provides the classes and interfaces for cryptographic operations. |
| [**javax.crypto.spec**](#1t3h5sf) | Provides classes and interfaces for key specifications and algorithm parameter specifications. |
| [**javax.xml.crypto**](#4d34og8) | Common classes for XML cryptography. |
| [**javax.xml.crypto.dsig**](#2s8eyo1) | Classes for generating and validating XML digital signatures. |
| [**javax.xml.crypto.dsig.spec**](#17dp8vu) | Parameter classes for XML digital signatures. |

| Classes in [java.security.spec](http://docs.google.com/java/security/spec/package-summary.html) used by [java.security](http://docs.google.com/java/security/package-summary.html) | |
| --- | --- |
| [**AlgorithmParameterSpec**](http://docs.google.com/java/security/spec/class-use/AlgorithmParameterSpec.html#java.security)            A (transparent) specification of cryptographic parameters. |
| [**InvalidKeySpecException**](http://docs.google.com/java/security/spec/class-use/InvalidKeySpecException.html#java.security)            This is the exception for invalid key specifications. |
| [**InvalidParameterSpecException**](http://docs.google.com/java/security/spec/class-use/InvalidParameterSpecException.html#java.security)            This is the exception for invalid parameter specifications. |
| [**KeySpec**](http://docs.google.com/java/security/spec/class-use/KeySpec.html#java.security)            A (transparent) specification of the key material that constitutes a cryptographic key. |

| Classes in [java.security.spec](http://docs.google.com/java/security/spec/package-summary.html) used by [java.security.interfaces](http://docs.google.com/java/security/interfaces/package-summary.html) | |
| --- | --- |
| [**ECParameterSpec**](http://docs.google.com/java/security/spec/class-use/ECParameterSpec.html#java.security.interfaces)            This immutable class specifies the set of domain parameters used with elliptic curve cryptography (ECC). |
| [**ECPoint**](http://docs.google.com/java/security/spec/class-use/ECPoint.html#java.security.interfaces)            This immutable class represents a point on an elliptic curve (EC) in affine coordinates. |
| [**RSAOtherPrimeInfo**](http://docs.google.com/java/security/spec/class-use/RSAOtherPrimeInfo.html#java.security.interfaces)            This class represents the triplet (prime, exponent, and coefficient) inside RSA's OtherPrimeInfo structure, as defined in the PKCS#1 v2.1. |

| Classes in [java.security.spec](http://docs.google.com/java/security/spec/package-summary.html) used by [java.security.spec](http://docs.google.com/java/security/spec/package-summary.html) | |
| --- | --- |
| [**AlgorithmParameterSpec**](http://docs.google.com/java/security/spec/class-use/AlgorithmParameterSpec.html#java.security.spec)            A (transparent) specification of cryptographic parameters. |
| [**ECField**](http://docs.google.com/java/security/spec/class-use/ECField.html#java.security.spec)            This interface represents an elliptic curve (EC) finite field. |
| [**ECParameterSpec**](http://docs.google.com/java/security/spec/class-use/ECParameterSpec.html#java.security.spec)            This immutable class specifies the set of domain parameters used with elliptic curve cryptography (ECC). |
| [**ECPoint**](http://docs.google.com/java/security/spec/class-use/ECPoint.html#java.security.spec)            This immutable class represents a point on an elliptic curve (EC) in affine coordinates. |
| [**EllipticCurve**](http://docs.google.com/java/security/spec/class-use/EllipticCurve.html#java.security.spec)            This immutable class holds the necessary values needed to represent an elliptic curve. |
| [**EncodedKeySpec**](http://docs.google.com/java/security/spec/class-use/EncodedKeySpec.html#java.security.spec)            This class represents a public or private key in encoded format. |
| [**KeySpec**](http://docs.google.com/java/security/spec/class-use/KeySpec.html#java.security.spec)            A (transparent) specification of the key material that constitutes a cryptographic key. |
| [**MGF1ParameterSpec**](http://docs.google.com/java/security/spec/class-use/MGF1ParameterSpec.html#java.security.spec)            This class specifies the set of parameters used with mask generation function MGF1 in OAEP Padding and RSA-PSS signature scheme, as defined in the [PKCS #1 v2.1](http://www.ietf.org/rfc/rfc3447.txt) standard. |
| [**PSSParameterSpec**](http://docs.google.com/java/security/spec/class-use/PSSParameterSpec.html#java.security.spec)            This class specifies a parameter spec for RSA-PSS signature scheme, as defined in the [PKCS#1 v2.1](http://www.ietf.org/rfc/rfc3447.txt) standard. |
| [**RSAOtherPrimeInfo**](http://docs.google.com/java/security/spec/class-use/RSAOtherPrimeInfo.html#java.security.spec)            This class represents the triplet (prime, exponent, and coefficient) inside RSA's OtherPrimeInfo structure, as defined in the PKCS#1 v2.1. |
| [**RSAPrivateKeySpec**](http://docs.google.com/java/security/spec/class-use/RSAPrivateKeySpec.html#java.security.spec)            This class specifies an RSA private key. |

| Classes in [java.security.spec](http://docs.google.com/java/security/spec/package-summary.html) used by [javax.crypto](http://docs.google.com/javax/crypto/package-summary.html) | |
| --- | --- |
| [**AlgorithmParameterSpec**](http://docs.google.com/java/security/spec/class-use/AlgorithmParameterSpec.html#javax.crypto)            A (transparent) specification of cryptographic parameters. |
| [**InvalidKeySpecException**](http://docs.google.com/java/security/spec/class-use/InvalidKeySpecException.html#javax.crypto)            This is the exception for invalid key specifications. |
| [**KeySpec**](http://docs.google.com/java/security/spec/class-use/KeySpec.html#javax.crypto)            A (transparent) specification of the key material that constitutes a cryptographic key. |
| [**PKCS8EncodedKeySpec**](http://docs.google.com/java/security/spec/class-use/PKCS8EncodedKeySpec.html#javax.crypto)            This class represents the ASN.1 encoding of a private key, encoded according to the ASN.1 type PrivateKeyInfo. |

| Classes in [java.security.spec](http://docs.google.com/java/security/spec/package-summary.html) used by [javax.crypto.spec](http://docs.google.com/javax/crypto/spec/package-summary.html) | |
| --- | --- |
| [**AlgorithmParameterSpec**](http://docs.google.com/java/security/spec/class-use/AlgorithmParameterSpec.html#javax.crypto.spec)            A (transparent) specification of cryptographic parameters. |
| [**KeySpec**](http://docs.google.com/java/security/spec/class-use/KeySpec.html#javax.crypto.spec)            A (transparent) specification of the key material that constitutes a cryptographic key. |

| Classes in [java.security.spec](http://docs.google.com/java/security/spec/package-summary.html) used by [javax.xml.crypto](http://docs.google.com/javax/xml/crypto/package-summary.html) | |
| --- | --- |
| [**AlgorithmParameterSpec**](http://docs.google.com/java/security/spec/class-use/AlgorithmParameterSpec.html#javax.xml.crypto)            A (transparent) specification of cryptographic parameters. |

| Classes in [java.security.spec](http://docs.google.com/java/security/spec/package-summary.html) used by [javax.xml.crypto.dsig](http://docs.google.com/javax/xml/crypto/dsig/package-summary.html) | |
| --- | --- |
| [**AlgorithmParameterSpec**](http://docs.google.com/java/security/spec/class-use/AlgorithmParameterSpec.html#javax.xml.crypto.dsig)            A (transparent) specification of cryptographic parameters. |

| Classes in [java.security.spec](http://docs.google.com/java/security/spec/package-summary.html) used by [javax.xml.crypto.dsig.spec](http://docs.google.com/javax/xml/crypto/dsig/spec/package-summary.html) | |
| --- | --- |
| [**AlgorithmParameterSpec**](http://docs.google.com/java/security/spec/class-use/AlgorithmParameterSpec.html#javax.xml.crypto.dsig.spec)            A (transparent) specification of cryptographic parameters. |

| | [**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*** |
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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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