| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | Class | Use | **Tree** | [**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**](http://docs.google.com/java/security/interfaces/package-tree.html)   [**NEXT**](http://docs.google.com/java/sql/package-tree.html) | [**FRAMES**](http://docs.google.com/index.html?java/security/spec/package-tree.html)    [**NO FRAMES**](http://docs.google.com/package-tree.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

Hierarchy For Package java.security.spec

**Package Hierarchies:**[All Packages](http://docs.google.com/overview-tree.html)

## Class Hierarchy

* java.lang.[**Object**](http://docs.google.com/java/lang/Object.html)
  + java.security.spec.[**DSAParameterSpec**](http://docs.google.com/java/security/spec/DSAParameterSpec.html) (implements java.security.spec.[AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html), java.security.interfaces.[DSAParams](http://docs.google.com/java/security/interfaces/DSAParams.html))
  + java.security.spec.[**DSAPrivateKeySpec**](http://docs.google.com/java/security/spec/DSAPrivateKeySpec.html) (implements java.security.spec.[KeySpec](http://docs.google.com/java/security/spec/KeySpec.html))
  + java.security.spec.[**DSAPublicKeySpec**](http://docs.google.com/java/security/spec/DSAPublicKeySpec.html) (implements java.security.spec.[KeySpec](http://docs.google.com/java/security/spec/KeySpec.html))
  + java.security.spec.[**ECFieldF2m**](http://docs.google.com/java/security/spec/ECFieldF2m.html) (implements java.security.spec.[ECField](http://docs.google.com/java/security/spec/ECField.html))
  + java.security.spec.[**ECFieldFp**](http://docs.google.com/java/security/spec/ECFieldFp.html) (implements java.security.spec.[ECField](http://docs.google.com/java/security/spec/ECField.html))
  + java.security.spec.[**ECGenParameterSpec**](http://docs.google.com/java/security/spec/ECGenParameterSpec.html) (implements java.security.spec.[AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html))
  + java.security.spec.[**ECParameterSpec**](http://docs.google.com/java/security/spec/ECParameterSpec.html) (implements java.security.spec.[AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html))
  + java.security.spec.[**ECPoint**](http://docs.google.com/java/security/spec/ECPoint.html)
  + java.security.spec.[**ECPrivateKeySpec**](http://docs.google.com/java/security/spec/ECPrivateKeySpec.html) (implements java.security.spec.[KeySpec](http://docs.google.com/java/security/spec/KeySpec.html))
  + java.security.spec.[**ECPublicKeySpec**](http://docs.google.com/java/security/spec/ECPublicKeySpec.html) (implements java.security.spec.[KeySpec](http://docs.google.com/java/security/spec/KeySpec.html))
  + java.security.spec.[**EllipticCurve**](http://docs.google.com/java/security/spec/EllipticCurve.html)
  + java.security.spec.[**EncodedKeySpec**](http://docs.google.com/java/security/spec/EncodedKeySpec.html) (implements java.security.spec.[KeySpec](http://docs.google.com/java/security/spec/KeySpec.html))
    - java.security.spec.[**PKCS8EncodedKeySpec**](http://docs.google.com/java/security/spec/PKCS8EncodedKeySpec.html)
    - java.security.spec.[**X509EncodedKeySpec**](http://docs.google.com/java/security/spec/X509EncodedKeySpec.html)
  + java.security.spec.[**MGF1ParameterSpec**](http://docs.google.com/java/security/spec/MGF1ParameterSpec.html) (implements java.security.spec.[AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html))
  + java.security.spec.[**PSSParameterSpec**](http://docs.google.com/java/security/spec/PSSParameterSpec.html) (implements java.security.spec.[AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html))
  + java.security.spec.[**RSAKeyGenParameterSpec**](http://docs.google.com/java/security/spec/RSAKeyGenParameterSpec.html) (implements java.security.spec.[AlgorithmParameterSpec](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html))
  + java.security.spec.[**RSAOtherPrimeInfo**](http://docs.google.com/java/security/spec/RSAOtherPrimeInfo.html)
  + java.security.spec.[**RSAPrivateKeySpec**](http://docs.google.com/java/security/spec/RSAPrivateKeySpec.html) (implements java.security.spec.[KeySpec](http://docs.google.com/java/security/spec/KeySpec.html))
    - java.security.spec.[**RSAMultiPrimePrivateCrtKeySpec**](http://docs.google.com/java/security/spec/RSAMultiPrimePrivateCrtKeySpec.html)
    - java.security.spec.[**RSAPrivateCrtKeySpec**](http://docs.google.com/java/security/spec/RSAPrivateCrtKeySpec.html)
  + java.security.spec.[**RSAPublicKeySpec**](http://docs.google.com/java/security/spec/RSAPublicKeySpec.html) (implements java.security.spec.[KeySpec](http://docs.google.com/java/security/spec/KeySpec.html))
  + java.lang.[**Throwable**](http://docs.google.com/java/lang/Throwable.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
    - java.lang.[**Exception**](http://docs.google.com/java/lang/Exception.html)
      * java.security.[**GeneralSecurityException**](http://docs.google.com/java/security/GeneralSecurityException.html)
        + java.security.spec.[**InvalidKeySpecException**](http://docs.google.com/java/security/spec/InvalidKeySpecException.html)
        + java.security.spec.[**InvalidParameterSpecException**](http://docs.google.com/java/security/spec/InvalidParameterSpecException.html)

## Interface Hierarchy

* java.security.spec.[**AlgorithmParameterSpec**](http://docs.google.com/java/security/spec/AlgorithmParameterSpec.html)
* java.security.spec.[**ECField**](http://docs.google.com/java/security/spec/ECField.html)
* java.security.spec.[**KeySpec**](http://docs.google.com/java/security/spec/KeySpec.html)

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | Class | Use | **Tree** | [**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**](http://docs.google.com/java/security/interfaces/package-tree.html)   [**NEXT**](http://docs.google.com/java/sql/package-tree.html) | [**FRAMES**](http://docs.google.com/index.html?java/security/spec/package-tree.html)    [**NO FRAMES**](http://docs.google.com/package-tree.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.

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