| | [**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/acl/package-tree.html)   [**NEXT**](http://docs.google.com/java/security/interfaces/package-tree.html) | [**FRAMES**](http://docs.google.com/index.html?java/security/cert/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.cert

**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.cert.[**Certificate**](http://docs.google.com/java/security/cert/Certificate.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
    - java.security.cert.[**X509Certificate**](http://docs.google.com/java/security/cert/X509Certificate.html) (implements java.security.cert.[X509Extension](http://docs.google.com/java/security/cert/X509Extension.html))
  + java.security.cert.[**Certificate.CertificateRep**](http://docs.google.com/java/security/cert/Certificate.CertificateRep.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
  + java.security.cert.[**CertificateFactory**](http://docs.google.com/java/security/cert/CertificateFactory.html)
  + java.security.cert.[**CertificateFactorySpi**](http://docs.google.com/java/security/cert/CertificateFactorySpi.html)
  + java.security.cert.[**CertPath**](http://docs.google.com/java/security/cert/CertPath.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
  + java.security.cert.[**CertPath.CertPathRep**](http://docs.google.com/java/security/cert/CertPath.CertPathRep.html) (implements java.io.[Serializable](http://docs.google.com/java/io/Serializable.html))
  + java.security.cert.[**CertPathBuilder**](http://docs.google.com/java/security/cert/CertPathBuilder.html)
  + java.security.cert.[**CertPathBuilderSpi**](http://docs.google.com/java/security/cert/CertPathBuilderSpi.html)
  + java.security.cert.[**CertPathValidator**](http://docs.google.com/java/security/cert/CertPathValidator.html)
  + java.security.cert.[**CertPathValidatorSpi**](http://docs.google.com/java/security/cert/CertPathValidatorSpi.html)
  + java.security.cert.[**CertStore**](http://docs.google.com/java/security/cert/CertStore.html)
  + java.security.cert.[**CertStoreSpi**](http://docs.google.com/java/security/cert/CertStoreSpi.html)
  + java.security.cert.[**CollectionCertStoreParameters**](http://docs.google.com/java/security/cert/CollectionCertStoreParameters.html) (implements java.security.cert.[CertStoreParameters](http://docs.google.com/java/security/cert/CertStoreParameters.html))
  + java.security.cert.[**CRL**](http://docs.google.com/java/security/cert/CRL.html)
    - java.security.cert.[**X509CRL**](http://docs.google.com/java/security/cert/X509CRL.html) (implements java.security.cert.[X509Extension](http://docs.google.com/java/security/cert/X509Extension.html))
  + java.security.cert.[**LDAPCertStoreParameters**](http://docs.google.com/java/security/cert/LDAPCertStoreParameters.html) (implements java.security.cert.[CertStoreParameters](http://docs.google.com/java/security/cert/CertStoreParameters.html))
  + java.security.cert.[**PKIXCertPathChecker**](http://docs.google.com/java/security/cert/PKIXCertPathChecker.html) (implements java.lang.[Cloneable](http://docs.google.com/java/lang/Cloneable.html))
  + java.security.cert.[**PKIXCertPathValidatorResult**](http://docs.google.com/java/security/cert/PKIXCertPathValidatorResult.html) (implements java.security.cert.[CertPathValidatorResult](http://docs.google.com/java/security/cert/CertPathValidatorResult.html))
    - java.security.cert.[**PKIXCertPathBuilderResult**](http://docs.google.com/java/security/cert/PKIXCertPathBuilderResult.html) (implements java.security.cert.[CertPathBuilderResult](http://docs.google.com/java/security/cert/CertPathBuilderResult.html))
  + java.security.cert.[**PKIXParameters**](http://docs.google.com/java/security/cert/PKIXParameters.html) (implements java.security.cert.[CertPathParameters](http://docs.google.com/java/security/cert/CertPathParameters.html))
    - java.security.cert.[**PKIXBuilderParameters**](http://docs.google.com/java/security/cert/PKIXBuilderParameters.html)
  + java.security.cert.[**PolicyQualifierInfo**](http://docs.google.com/java/security/cert/PolicyQualifierInfo.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.cert.[**CertificateException**](http://docs.google.com/java/security/cert/CertificateException.html)

java.security.cert.[**CertificateEncodingException**](http://docs.google.com/java/security/cert/CertificateEncodingException.html)

java.security.cert.[**CertificateExpiredException**](http://docs.google.com/java/security/cert/CertificateExpiredException.html)

java.security.cert.[**CertificateNotYetValidException**](http://docs.google.com/java/security/cert/CertificateNotYetValidException.html)

java.security.cert.[**CertificateParsingException**](http://docs.google.com/java/security/cert/CertificateParsingException.html)

* + - * + java.security.cert.[**CertPathBuilderException**](http://docs.google.com/java/security/cert/CertPathBuilderException.html)
        + java.security.cert.[**CertPathValidatorException**](http://docs.google.com/java/security/cert/CertPathValidatorException.html)
        + java.security.cert.[**CertStoreException**](http://docs.google.com/java/security/cert/CertStoreException.html)
        + java.security.cert.[**CRLException**](http://docs.google.com/java/security/cert/CRLException.html)
  + java.security.cert.[**TrustAnchor**](http://docs.google.com/java/security/cert/TrustAnchor.html)
  + java.security.cert.[**X509CertSelector**](http://docs.google.com/java/security/cert/X509CertSelector.html) (implements java.security.cert.[CertSelector](http://docs.google.com/java/security/cert/CertSelector.html))
  + java.security.cert.[**X509CRLEntry**](http://docs.google.com/java/security/cert/X509CRLEntry.html) (implements java.security.cert.[X509Extension](http://docs.google.com/java/security/cert/X509Extension.html))
  + java.security.cert.[**X509CRLSelector**](http://docs.google.com/java/security/cert/X509CRLSelector.html) (implements java.security.cert.[CRLSelector](http://docs.google.com/java/security/cert/CRLSelector.html))

## Interface Hierarchy

* java.lang.[**Cloneable**](http://docs.google.com/java/lang/Cloneable.html)
  + java.security.cert.[**CertPathBuilderResult**](http://docs.google.com/java/security/cert/CertPathBuilderResult.html)
  + java.security.cert.[**CertPathParameters**](http://docs.google.com/java/security/cert/CertPathParameters.html)
  + java.security.cert.[**CertPathValidatorResult**](http://docs.google.com/java/security/cert/CertPathValidatorResult.html)
  + java.security.cert.[**CertSelector**](http://docs.google.com/java/security/cert/CertSelector.html)
  + java.security.cert.[**CertStoreParameters**](http://docs.google.com/java/security/cert/CertStoreParameters.html)
  + java.security.cert.[**CRLSelector**](http://docs.google.com/java/security/cert/CRLSelector.html)
* java.security.cert.[**PolicyNode**](http://docs.google.com/java/security/cert/PolicyNode.html)
* java.security.cert.[**X509Extension**](http://docs.google.com/java/security/cert/X509Extension.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/acl/package-tree.html)   [**NEXT**](http://docs.google.com/java/security/interfaces/package-tree.html) | [**FRAMES**](http://docs.google.com/index.html?java/security/cert/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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