| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/security/cert/X509Certificate.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?java/security/cert//class-useX509Certificate.html)    [**NO FRAMES**](http://docs.google.com/X509Certificate.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Class**

**java.security.cert.X509Certificate**

| Packages that use [X509Certificate](http://docs.google.com/java/security/cert/X509Certificate.html) | |
| --- | --- |
| [**java.security.cert**](#3znysh7) | Provides classes and interfaces for parsing and managing certificates, certificate revocation lists (CRLs), and certification paths. |
| [**javax.net.ssl**](#2et92p0) | Provides classes for the secure socket package. |
| [**javax.security.auth.x500**](#tyjcwt) | This package contains the classes that should be used to store X500 Principal and X500 Private Crendentials in a *Subject*. |

| Uses of [X509Certificate](http://docs.google.com/java/security/cert/X509Certificate.html) in [java.security.cert](http://docs.google.com/java/security/cert/package-summary.html) | |
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| Methods in [java.security.cert](http://docs.google.com/java/security/cert/package-summary.html) that return [X509Certificate](http://docs.google.com/java/security/cert/X509Certificate.html) | |
| --- | --- |
| [X509Certificate](http://docs.google.com/java/security/cert/X509Certificate.html) | **X509CertSelector.**[**getCertificate**](http://docs.google.com/java/security/cert/X509CertSelector.html#getCertificate())()            Returns the certificateEquals criterion. |
| [X509Certificate](http://docs.google.com/java/security/cert/X509Certificate.html) | **X509CRLSelector.**[**getCertificateChecking**](http://docs.google.com/java/security/cert/X509CRLSelector.html#getCertificateChecking())()            Returns the certificate being checked. |
| [X509Certificate](http://docs.google.com/java/security/cert/X509Certificate.html) | **TrustAnchor.**[**getTrustedCert**](http://docs.google.com/java/security/cert/TrustAnchor.html#getTrustedCert())()            Returns the most-trusted CA certificate. |

| Methods in [java.security.cert](http://docs.google.com/java/security/cert/package-summary.html) with parameters of type [X509Certificate](http://docs.google.com/java/security/cert/X509Certificate.html) | |
| --- | --- |
| [X509CRLEntry](http://docs.google.com/java/security/cert/X509CRLEntry.html) | **X509CRL.**[**getRevokedCertificate**](http://docs.google.com/java/security/cert/X509CRL.html#getRevokedCertificate(java.security.cert.X509Certificate))([X509Certificate](http://docs.google.com/java/security/cert/X509Certificate.html) certificate)            Get the CRL entry, if any, for the given certificate. |
| void | **X509CertSelector.**[**setCertificate**](http://docs.google.com/java/security/cert/X509CertSelector.html#setCertificate(java.security.cert.X509Certificate))([X509Certificate](http://docs.google.com/java/security/cert/X509Certificate.html) cert)            Sets the certificateEquals criterion. |
| void | **X509CRLSelector.**[**setCertificateChecking**](http://docs.google.com/java/security/cert/X509CRLSelector.html#setCertificateChecking(java.security.cert.X509Certificate))([X509Certificate](http://docs.google.com/java/security/cert/X509Certificate.html) cert)            Sets the certificate being checked. |

| Constructors in [java.security.cert](http://docs.google.com/java/security/cert/package-summary.html) with parameters of type [X509Certificate](http://docs.google.com/java/security/cert/X509Certificate.html) | |
| --- | --- |
| [**TrustAnchor**](http://docs.google.com/java/security/cert/TrustAnchor.html#TrustAnchor(java.security.cert.X509Certificate,%20byte%5B%5D))([X509Certificate](http://docs.google.com/java/security/cert/X509Certificate.html) trustedCert, byte[] nameConstraints)            Creates an instance of TrustAnchor with the specified X509Certificate and optional name constraints, which are intended to be used as additional constraints when validating an X.509 certification path. |

| Uses of [X509Certificate](http://docs.google.com/java/security/cert/X509Certificate.html) in [javax.net.ssl](http://docs.google.com/javax/net/ssl/package-summary.html) | |
| --- | --- |

| Methods in [javax.net.ssl](http://docs.google.com/javax/net/ssl/package-summary.html) that return [X509Certificate](http://docs.google.com/java/security/cert/X509Certificate.html) | |
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| [X509Certificate](http://docs.google.com/java/security/cert/X509Certificate.html)[] | **X509TrustManager.**[**getAcceptedIssuers**](http://docs.google.com/javax/net/ssl/X509TrustManager.html#getAcceptedIssuers())()            Return an array of certificate authority certificates which are trusted for authenticating peers. |
| [X509Certificate](http://docs.google.com/java/security/cert/X509Certificate.html)[] | **X509KeyManager.**[**getCertificateChain**](http://docs.google.com/javax/net/ssl/X509KeyManager.html#getCertificateChain(java.lang.String))([String](http://docs.google.com/java/lang/String.html) alias)            Returns the certificate chain associated with the given alias. |

| Methods in [javax.net.ssl](http://docs.google.com/javax/net/ssl/package-summary.html) with parameters of type [X509Certificate](http://docs.google.com/java/security/cert/X509Certificate.html) | |
| --- | --- |
| void | **X509TrustManager.**[**checkClientTrusted**](http://docs.google.com/javax/net/ssl/X509TrustManager.html#checkClientTrusted(java.security.cert.X509Certificate%5B%5D,%20java.lang.String))([X509Certificate](http://docs.google.com/java/security/cert/X509Certificate.html)[] chain, [String](http://docs.google.com/java/lang/String.html) authType)            Given the partial or complete certificate chain provided by the peer, build a certificate path to a trusted root and return if it can be validated and is trusted for client SSL authentication based on the authentication type. |
| void | **X509TrustManager.**[**checkServerTrusted**](http://docs.google.com/javax/net/ssl/X509TrustManager.html#checkServerTrusted(java.security.cert.X509Certificate%5B%5D,%20java.lang.String))([X509Certificate](http://docs.google.com/java/security/cert/X509Certificate.html)[] chain, [String](http://docs.google.com/java/lang/String.html) authType)            Given the partial or complete certificate chain provided by the peer, build a certificate path to a trusted root and return if it can be validated and is trusted for server SSL authentication based on the authentication type. |

| Uses of [X509Certificate](http://docs.google.com/java/security/cert/X509Certificate.html) in [javax.security.auth.x500](http://docs.google.com/javax/security/auth/x500/package-summary.html) | |
| --- | --- |

| Methods in [javax.security.auth.x500](http://docs.google.com/javax/security/auth/x500/package-summary.html) that return [X509Certificate](http://docs.google.com/java/security/cert/X509Certificate.html) | |
| --- | --- |
| [X509Certificate](http://docs.google.com/java/security/cert/X509Certificate.html) | **X500PrivateCredential.**[**getCertificate**](http://docs.google.com/javax/security/auth/x500/X500PrivateCredential.html#getCertificate())()            Returns the X.509 certificate. |

| Constructors in [javax.security.auth.x500](http://docs.google.com/javax/security/auth/x500/package-summary.html) with parameters of type [X509Certificate](http://docs.google.com/java/security/cert/X509Certificate.html) | |
| --- | --- |
| [**X500PrivateCredential**](http://docs.google.com/javax/security/auth/x500/X500PrivateCredential.html#X500PrivateCredential(java.security.cert.X509Certificate,%20java.security.PrivateKey))([X509Certificate](http://docs.google.com/java/security/cert/X509Certificate.html) cert, [PrivateKey](http://docs.google.com/java/security/PrivateKey.html) key)            Creates an X500PrivateCredential that associates an X.509 certificate, a private key and the KeyStore alias. |
| [**X500PrivateCredential**](http://docs.google.com/javax/security/auth/x500/X500PrivateCredential.html#X500PrivateCredential(java.security.cert.X509Certificate,%20java.security.PrivateKey,%20java.lang.String))([X509Certificate](http://docs.google.com/java/security/cert/X509Certificate.html) cert, [PrivateKey](http://docs.google.com/java/security/PrivateKey.html) key, [String](http://docs.google.com/java/lang/String.html) alias)            Creates an X500PrivateCredential that associates an X.509 certificate, a private key and the KeyStore alias. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/security/cert/X509Certificate.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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[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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