| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/X500PrivateCredential.html) | [**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 CLASS**](http://docs.google.com/javax/security/auth/x500/X500Principal.html)   NEXT CLASS | [**FRAMES**](http://docs.google.com/index.html?javax/security/auth/x500/X500PrivateCredential.html)    [**NO FRAMES**](http://docs.google.com/X500PrivateCredential.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#2s8eyo1) |

## **javax.security.auth.x500**

Class X500PrivateCredential

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **javax.security.auth.x500.X500PrivateCredential**

**All Implemented Interfaces:** [Destroyable](http://docs.google.com/javax/security/auth/Destroyable.html)

public final class **X500PrivateCredential**extends [Object](http://docs.google.com/java/lang/Object.html)implements [Destroyable](http://docs.google.com/javax/security/auth/Destroyable.html)

This class represents an X500PrivateCredential. It associates an X.509 certificate, corresponding private key and the KeyStore alias used to reference that exact key pair in the KeyStore. This enables looking up the private credentials for an X.500 principal in a subject.

| **Constructor Summary** | |
| --- | --- |
| [**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. |

| **Method Summary** | |
| --- | --- |
| void | [**destroy**](http://docs.google.com/javax/security/auth/x500/X500PrivateCredential.html#destroy())()            Clears the references to the X.509 certificate, private key and the KeyStore alias in this object. |
| [String](http://docs.google.com/java/lang/String.html) | [**getAlias**](http://docs.google.com/javax/security/auth/x500/X500PrivateCredential.html#getAlias())()            Returns the KeyStore alias. |
| [X509Certificate](http://docs.google.com/java/security/cert/X509Certificate.html) | [**getCertificate**](http://docs.google.com/javax/security/auth/x500/X500PrivateCredential.html#getCertificate())()            Returns the X.509 certificate. |
| [PrivateKey](http://docs.google.com/java/security/PrivateKey.html) | [**getPrivateKey**](http://docs.google.com/javax/security/auth/x500/X500PrivateCredential.html#getPrivateKey())()            Returns the PrivateKey. |
| boolean | [**isDestroyed**](http://docs.google.com/javax/security/auth/x500/X500PrivateCredential.html#isDestroyed())()            Determines if the references to the X.509 certificate and private key in this object have been cleared. |

| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/java/lang/Object.html) |
| --- |
| [clone](http://docs.google.com/java/lang/Object.html#clone()), [equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [hashCode](http://docs.google.com/java/lang/Object.html#hashCode()), [notify](http://docs.google.com/java/lang/Object.html#notify()), [notifyAll](http://docs.google.com/java/lang/Object.html#notifyAll()), [toString](http://docs.google.com/java/lang/Object.html#toString()), [wait](http://docs.google.com/java/lang/Object.html#wait()), [wait](http://docs.google.com/java/lang/Object.html#wait(long)), [wait](http://docs.google.com/java/lang/Object.html#wait(long,%20int)) |

| **Constructor Detail** |
| --- |

### X500PrivateCredential

public **X500PrivateCredential**([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.

**Parameters:**cert - X509Certificatekey - PrivateKey for the certificate **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if either cert or key is null

### X500PrivateCredential

public **X500PrivateCredential**([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.

**Parameters:**cert - X509Certificatekey - PrivateKey for the certificatealias - KeyStore alias **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if either cert, key or alias is null

| **Method Detail** |
| --- |

### getCertificate

public [X509Certificate](http://docs.google.com/java/security/cert/X509Certificate.html) **getCertificate**()

Returns the X.509 certificate.

**Returns:**the X509Certificate

### getPrivateKey

public [PrivateKey](http://docs.google.com/java/security/PrivateKey.html) **getPrivateKey**()

Returns the PrivateKey.

**Returns:**the PrivateKey

### getAlias

public [String](http://docs.google.com/java/lang/String.html) **getAlias**()

Returns the KeyStore alias.

**Returns:**the KeyStore alias

### destroy

public void **destroy**()

Clears the references to the X.509 certificate, private key and the KeyStore alias in this object.

**Specified by:**[destroy](http://docs.google.com/javax/security/auth/Destroyable.html#destroy()) in interface [Destroyable](http://docs.google.com/javax/security/auth/Destroyable.html)

### isDestroyed

public boolean **isDestroyed**()

Determines if the references to the X.509 certificate and private key in this object have been cleared.

**Specified by:**[isDestroyed](http://docs.google.com/javax/security/auth/Destroyable.html#isDestroyed()) in interface [Destroyable](http://docs.google.com/javax/security/auth/Destroyable.html) **Returns:**true if X509Certificate and the PrivateKey are null

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/X500PrivateCredential.html) | [**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 CLASS**](http://docs.google.com/javax/security/auth/x500/X500Principal.html)   NEXT CLASS | [**FRAMES**](http://docs.google.com/index.html?javax/security/auth/x500/X500PrivateCredential.html)    [**NO FRAMES**](http://docs.google.com/X500PrivateCredential.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#2s8eyo1) |

[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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