| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SecureCacheResponse.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/java/net/ResponseCache.html)   [**NEXT CLASS**](http://docs.google.com/java/net/ServerSocket.html) | [**FRAMES**](http://docs.google.com/index.html?java/net/SecureCacheResponse.html)    [**NO FRAMES**](http://docs.google.com/SecureCacheResponse.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#1t3h5sf) | [METHOD](#2s8eyo1) |

## **java.net**

Class SecureCacheResponse

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [java.net.CacheResponse](http://docs.google.com/java/net/CacheResponse.html)  
 **java.net.SecureCacheResponse**

public abstract class **SecureCacheResponse**extends [CacheResponse](http://docs.google.com/java/net/CacheResponse.html)

Represents a cache response originally retrieved through secure means, such as TLS.

**Since:** 1.5

| **Constructor Summary** | |
| --- | --- |
| [**SecureCacheResponse**](http://docs.google.com/java/net/SecureCacheResponse.html#SecureCacheResponse())() |

| **Method Summary** | |
| --- | --- |
| abstract  [String](http://docs.google.com/java/lang/String.html) | [**getCipherSuite**](http://docs.google.com/java/net/SecureCacheResponse.html#getCipherSuite())()            Returns the cipher suite in use on the original connection that retrieved the network resource. |
| abstract  [List](http://docs.google.com/java/util/List.html)<[Certificate](http://docs.google.com/java/security/cert/Certificate.html)> | [**getLocalCertificateChain**](http://docs.google.com/java/net/SecureCacheResponse.html#getLocalCertificateChain())()            Returns the certificate chain that were sent to the server during handshaking of the original connection that retrieved the network resource. |
| abstract  [Principal](http://docs.google.com/java/security/Principal.html) | [**getLocalPrincipal**](http://docs.google.com/java/net/SecureCacheResponse.html#getLocalPrincipal())()            Returns the principal that was sent to the server during handshaking in the original connection that retrieved the network resource. |
| abstract  [Principal](http://docs.google.com/java/security/Principal.html) | [**getPeerPrincipal**](http://docs.google.com/java/net/SecureCacheResponse.html#getPeerPrincipal())()            Returns the server's principal which was established as part of defining the session during the original connection that retrieved the network resource. |
| abstract  [List](http://docs.google.com/java/util/List.html)<[Certificate](http://docs.google.com/java/security/cert/Certificate.html)> | [**getServerCertificateChain**](http://docs.google.com/java/net/SecureCacheResponse.html#getServerCertificateChain())()            Returns the server's certificate chain, which was established as part of defining the session in the original connection that retrieved the network resource, from cache. |

| **Methods inherited from class java.net.**[**CacheResponse**](http://docs.google.com/java/net/CacheResponse.html) |
| --- |
| [getBody](http://docs.google.com/java/net/CacheResponse.html#getBody()), [getHeaders](http://docs.google.com/java/net/CacheResponse.html#getHeaders()) |

| **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** |
| --- |

### SecureCacheResponse

public **SecureCacheResponse**()

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

### getCipherSuite

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

Returns the cipher suite in use on the original connection that retrieved the network resource.

**Returns:**a string representing the cipher suite

### getLocalCertificateChain

public abstract [List](http://docs.google.com/java/util/List.html)<[Certificate](http://docs.google.com/java/security/cert/Certificate.html)> **getLocalCertificateChain**()

Returns the certificate chain that were sent to the server during handshaking of the original connection that retrieved the network resource. Note: This method is useful only when using certificate-based cipher suites.

**Returns:**an immutable List of Certificate representing the certificate chain that was sent to the server. If no certificate chain was sent, null will be returned.**See Also:**[getLocalPrincipal()](http://docs.google.com/java/net/SecureCacheResponse.html#getLocalPrincipal())

### getServerCertificateChain

public abstract [List](http://docs.google.com/java/util/List.html)<[Certificate](http://docs.google.com/java/security/cert/Certificate.html)> **getServerCertificateChain**()  
 throws [SSLPeerUnverifiedException](http://docs.google.com/javax/net/ssl/SSLPeerUnverifiedException.html)

Returns the server's certificate chain, which was established as part of defining the session in the original connection that retrieved the network resource, from cache. Note: This method can be used only when using certificate-based cipher suites; using it with non-certificate-based cipher suites, such as Kerberos, will throw an SSLPeerUnverifiedException.

**Returns:**an immutable List of Certificate representing the server's certificate chain. **Throws:** [SSLPeerUnverifiedException](http://docs.google.com/javax/net/ssl/SSLPeerUnverifiedException.html) - if the peer is not verified.**See Also:**[getPeerPrincipal()](http://docs.google.com/java/net/SecureCacheResponse.html#getPeerPrincipal())

### getPeerPrincipal

public abstract [Principal](http://docs.google.com/java/security/Principal.html) **getPeerPrincipal**()  
 throws [SSLPeerUnverifiedException](http://docs.google.com/javax/net/ssl/SSLPeerUnverifiedException.html)

Returns the server's principal which was established as part of defining the session during the original connection that retrieved the network resource.

**Returns:**the server's principal. Returns an X500Principal of the end-entity certiticate for X509-based cipher suites, and KerberosPrincipal for Kerberos cipher suites. **Throws:** [SSLPeerUnverifiedException](http://docs.google.com/javax/net/ssl/SSLPeerUnverifiedException.html) - if the peer was not verified.**See Also:**[getServerCertificateChain()](http://docs.google.com/java/net/SecureCacheResponse.html#getServerCertificateChain()), [getLocalPrincipal()](http://docs.google.com/java/net/SecureCacheResponse.html#getLocalPrincipal())

### getLocalPrincipal

public abstract [Principal](http://docs.google.com/java/security/Principal.html) **getLocalPrincipal**()

Returns the principal that was sent to the server during handshaking in the original connection that retrieved the network resource.

**Returns:**the principal sent to the server. Returns an X500Principal of the end-entity certificate for X509-based cipher suites, and KerberosPrincipal for Kerberos cipher suites. If no principal was sent, then null is returned.**See Also:**[getLocalCertificateChain()](http://docs.google.com/java/net/SecureCacheResponse.html#getLocalCertificateChain()), [getPeerPrincipal()](http://docs.google.com/java/net/SecureCacheResponse.html#getPeerPrincipal())

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SecureCacheResponse.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*** |
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| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#1t3h5sf) | [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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