| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SSLParameters.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/net/ssl/SSLKeyException.html)   [**NEXT CLASS**](http://docs.google.com/javax/net/ssl/SSLPeerUnverifiedException.html) | [**FRAMES**](http://docs.google.com/index.html?javax/net/ssl/SSLParameters.html)    [**NO FRAMES**](http://docs.google.com/SSLParameters.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#17dp8vu) |

## **javax.net.ssl**

Class SSLParameters

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **javax.net.ssl.SSLParameters**

public class **SSLParameters**extends [Object](http://docs.google.com/java/lang/Object.html)

Encapsulates parameters for an SSL/TLS connection. The parameters are the list of ciphersuites to be accepted in an SSL/TLS handshake, the list of protocols to be allowed, and whether SSL/TLS servers should request or require client authentication.

SSLParameters can be created via the constructors in this class. Objects can also be obtained using the getSSLParameters() methods in [SSLSocket](http://docs.google.com/javax/net/ssl/SSLSocket.html#getSSLParameters()) and [SSLEngine](http://docs.google.com/javax/net/ssl/SSLEngine.html#getSSLParameters()) or the [getDefaultSSLParameters()](http://docs.google.com/javax/net/ssl/SSLContext.html#getDefaultSSLParameters()) and [getSupportedSSLParameters()](http://docs.google.com/javax/net/ssl/SSLContext.html#getSupportedSSLParameters()) methods in SSLContext.

SSLParameters can be applied to a connection via the methods [SSLSocket.setSSLParameters()](http://docs.google.com/javax/net/ssl/SSLSocket.html#setSSLParameters(javax.net.ssl.SSLParameters)) and [SSLEngine.getSSLParameters()](http://docs.google.com/javax/net/ssl/SSLEngine.html#setSSLParameters(javax.net.ssl.SSLParameters)).

**Since:** 1.6 **See Also:**[SSLSocket](http://docs.google.com/javax/net/ssl/SSLSocket.html), [SSLEngine](http://docs.google.com/javax/net/ssl/SSLEngine.html), [SSLContext](http://docs.google.com/javax/net/ssl/SSLContext.html)

| **Constructor Summary** | |
| --- | --- |
| [**SSLParameters**](http://docs.google.com/javax/net/ssl/SSLParameters.html#SSLParameters())()            Constructs SSLParameters. |
| [**SSLParameters**](http://docs.google.com/javax/net/ssl/SSLParameters.html#SSLParameters(java.lang.String%5B%5D))([String](http://docs.google.com/java/lang/String.html)[] cipherSuites)            Constructs SSLParameters from the specified array of ciphersuites. |
| [**SSLParameters**](http://docs.google.com/javax/net/ssl/SSLParameters.html#SSLParameters(java.lang.String%5B%5D,%20java.lang.String%5B%5D))([String](http://docs.google.com/java/lang/String.html)[] cipherSuites, [String](http://docs.google.com/java/lang/String.html)[] protocols)            Constructs SSLParameters from the specified array of ciphersuites and protocols. |

| **Method Summary** | |
| --- | --- |
| [String](http://docs.google.com/java/lang/String.html)[] | [**getCipherSuites**](http://docs.google.com/javax/net/ssl/SSLParameters.html#getCipherSuites())()            Returns a copy of the array of ciphersuites or null if none have been set. |
| boolean | [**getNeedClientAuth**](http://docs.google.com/javax/net/ssl/SSLParameters.html#getNeedClientAuth())()            Returns whether client authentication should be required. |
| [String](http://docs.google.com/java/lang/String.html)[] | [**getProtocols**](http://docs.google.com/javax/net/ssl/SSLParameters.html#getProtocols())()            Returns a copy of the array of protocols or null if none have been set. |
| boolean | [**getWantClientAuth**](http://docs.google.com/javax/net/ssl/SSLParameters.html#getWantClientAuth())()            Returns whether client authentication should be requested. |
| void | [**setCipherSuites**](http://docs.google.com/javax/net/ssl/SSLParameters.html#setCipherSuites(java.lang.String%5B%5D))([String](http://docs.google.com/java/lang/String.html)[] cipherSuites)            Sets the array of ciphersuites. |
| void | [**setNeedClientAuth**](http://docs.google.com/javax/net/ssl/SSLParameters.html#setNeedClientAuth(boolean))(boolean needClientAuth)            Sets whether client authentication should be required. |
| void | [**setProtocols**](http://docs.google.com/javax/net/ssl/SSLParameters.html#setProtocols(java.lang.String%5B%5D))([String](http://docs.google.com/java/lang/String.html)[] protocols)            Sets the array of protocols. |
| void | [**setWantClientAuth**](http://docs.google.com/javax/net/ssl/SSLParameters.html#setWantClientAuth(boolean))(boolean wantClientAuth)            Sets whether client authentication should be requested. |

| **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** |
| --- |

### SSLParameters

public **SSLParameters**()

Constructs SSLParameters.

The cipherSuites and protocols values are set to null, wantClientAuth and needClientAuth are set to false.

### SSLParameters

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

Constructs SSLParameters from the specified array of ciphersuites. Calling this constructor is equivalent to calling the no-args constructor followed by setCipherSuites(cipherSuites);.

**Parameters:**cipherSuites - the array of ciphersuites (or null)

### SSLParameters

public **SSLParameters**([String](http://docs.google.com/java/lang/String.html)[] cipherSuites,  
 [String](http://docs.google.com/java/lang/String.html)[] protocols)

Constructs SSLParameters from the specified array of ciphersuites and protocols. Calling this constructor is equivalent to calling the no-args constructor followed by setCipherSuites(cipherSuites); setProtocols(protocols);.

**Parameters:**cipherSuites - the array of ciphersuites (or null)protocols - the array of protocols (or null)

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

### getCipherSuites

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

Returns a copy of the array of ciphersuites or null if none have been set.

**Returns:**a copy of the array of ciphersuites or null if none have been set.

### setCipherSuites

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

Sets the array of ciphersuites.

**Parameters:**cipherSuites - the array of ciphersuites (or null)

### getProtocols

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

Returns a copy of the array of protocols or null if none have been set.

**Returns:**a copy of the array of protocols or null if none have been set.

### setProtocols

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

Sets the array of protocols.

**Parameters:**protocols - the array of protocols (or null)

### getWantClientAuth

public boolean **getWantClientAuth**()

Returns whether client authentication should be requested.

**Returns:**whether client authentication should be requested.

### setWantClientAuth

public void **setWantClientAuth**(boolean wantClientAuth)

Sets whether client authentication should be requested. Calling this method clears the needClientAuth flag.

**Parameters:**wantClientAuth - whether client authentication should be requested

### getNeedClientAuth

public boolean **getNeedClientAuth**()

Returns whether client authentication should be required.

**Returns:**whether client authentication should be required.

### setNeedClientAuth

public void **setNeedClientAuth**(boolean needClientAuth)

Sets whether client authentication should be required. Calling this method clears the wantClientAuth flag.

**Parameters:**needClientAuth - whether client authentication should be required

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SSLParameters.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/net/ssl/SSLKeyException.html)   [**NEXT CLASS**](http://docs.google.com/javax/net/ssl/SSLPeerUnverifiedException.html) | [**FRAMES**](http://docs.google.com/index.html?javax/net/ssl/SSLParameters.html)    [**NO FRAMES**](http://docs.google.com/SSLParameters.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#17dp8vu) |

[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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