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

## **javax.net.ssl**

Class SSLEngineResult

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

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

An encapsulation of the result state produced by SSLEngine I/O calls.

A SSLEngine provides a means for establishing secure communication sessions between two peers. SSLEngine operations typically consume bytes from an input buffer and produce bytes in an output buffer. This class provides operational result values describing the state of the SSLEngine, including indications of what operations are needed to finish an ongoing handshake. Lastly, it reports the number of bytes consumed and produced as a result of this operation.

**Since:** 1.5 **See Also:**[SSLEngine](http://docs.google.com/javax/net/ssl/SSLEngine.html), [SSLEngine.wrap(ByteBuffer, ByteBuffer)](http://docs.google.com/javax/net/ssl/SSLEngine.html#wrap(java.nio.ByteBuffer,%20java.nio.ByteBuffer)), [SSLEngine.unwrap(ByteBuffer, ByteBuffer)](http://docs.google.com/javax/net/ssl/SSLEngine.html#unwrap(java.nio.ByteBuffer,%20java.nio.ByteBuffer))

| **Nested Class Summary** | |
| --- | --- |
| static class | [**SSLEngineResult.HandshakeStatus**](http://docs.google.com/javax/net/ssl/SSLEngineResult.HandshakeStatus.html)            An SSLEngineResult enum describing the current handshaking state of this SSLEngine. |
| static class | [**SSLEngineResult.Status**](http://docs.google.com/javax/net/ssl/SSLEngineResult.Status.html)            An SSLEngineResult enum describing the overall result of the SSLEngine operation. |

| **Constructor Summary** | |
| --- | --- |
| [**SSLEngineResult**](http://docs.google.com/javax/net/ssl/SSLEngineResult.html#SSLEngineResult(javax.net.ssl.SSLEngineResult.Status,%20javax.net.ssl.SSLEngineResult.HandshakeStatus,%20int,%20int))([SSLEngineResult.Status](http://docs.google.com/javax/net/ssl/SSLEngineResult.Status.html) status, [SSLEngineResult.HandshakeStatus](http://docs.google.com/javax/net/ssl/SSLEngineResult.HandshakeStatus.html) handshakeStatus, int bytesConsumed, int bytesProduced)            Initializes a new instance of this class. |

| **Method Summary** | |
| --- | --- |
| int | [**bytesConsumed**](http://docs.google.com/javax/net/ssl/SSLEngineResult.html#bytesConsumed())()            Returns the number of bytes consumed from the input buffer. |
| int | [**bytesProduced**](http://docs.google.com/javax/net/ssl/SSLEngineResult.html#bytesProduced())()            Returns the number of bytes written to the output buffer. |
| [SSLEngineResult.HandshakeStatus](http://docs.google.com/javax/net/ssl/SSLEngineResult.HandshakeStatus.html) | [**getHandshakeStatus**](http://docs.google.com/javax/net/ssl/SSLEngineResult.html#getHandshakeStatus())()            Gets the handshake status of this SSLEngine operation. |
| [SSLEngineResult.Status](http://docs.google.com/javax/net/ssl/SSLEngineResult.Status.html) | [**getStatus**](http://docs.google.com/javax/net/ssl/SSLEngineResult.html#getStatus())()            Gets the return value of this SSLEngine operation. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/javax/net/ssl/SSLEngineResult.html#toString())()            Returns a String representation of this object. |

| **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()), [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** |
| --- |

### SSLEngineResult

public **SSLEngineResult**([SSLEngineResult.Status](http://docs.google.com/javax/net/ssl/SSLEngineResult.Status.html) status,  
 [SSLEngineResult.HandshakeStatus](http://docs.google.com/javax/net/ssl/SSLEngineResult.HandshakeStatus.html) handshakeStatus,  
 int bytesConsumed,  
 int bytesProduced)

Initializes a new instance of this class.

**Parameters:**status - the return value of the operation.handshakeStatus - the current handshaking status.bytesConsumed - the number of bytes consumed from the source ByteBufferbytesProduced - the number of bytes placed into the destination ByteBuffer **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if the status or handshakeStatus arguments are null, or if <bytesConsumed or bytesProduced is negative.

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

### getStatus

public final [SSLEngineResult.Status](http://docs.google.com/javax/net/ssl/SSLEngineResult.Status.html) **getStatus**()

Gets the return value of this SSLEngine operation.

**Returns:**the return value

### getHandshakeStatus

public final [SSLEngineResult.HandshakeStatus](http://docs.google.com/javax/net/ssl/SSLEngineResult.HandshakeStatus.html) **getHandshakeStatus**()

Gets the handshake status of this SSLEngine operation.

**Returns:**the handshake status

### bytesConsumed

public final int **bytesConsumed**()

Returns the number of bytes consumed from the input buffer.

**Returns:**the number of bytes consumed.

### bytesProduced

public final int **bytesProduced**()

Returns the number of bytes written to the output buffer.

**Returns:**the number of bytes produced

### toString

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

Returns a String representation of this object.

**Overrides:**[toString](http://docs.google.com/java/lang/Object.html#toString()) in class [Object](http://docs.google.com/java/lang/Object.html) **Returns:**a string representation of the object.

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