| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SOAPConnection.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/xml/soap/SOAPBodyElement.html)   [**NEXT CLASS**](http://docs.google.com/javax/xml/soap/SOAPConnectionFactory.html) | [**FRAMES**](http://docs.google.com/index.html?javax/xml/soap/SOAPConnection.html)    [**NO FRAMES**](http://docs.google.com/SOAPConnection.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

## **javax.xml.soap**

Class SOAPConnection

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **javax.xml.soap.SOAPConnection**

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

A point-to-point connection that a client can use for sending messages directly to a remote party (represented by a URL, for instance).

The SOAPConnection class is optional. Some implementations may not implement this interface in which case the call to SOAPConnectionFactory.newInstance() (see below) will throw an UnsupportedOperationException.

A client can obtain a SOAPConnection object using a [SOAPConnectionFactory](http://docs.google.com/javax/xml/soap/SOAPConnectionFactory.html) object as in the following example:

SOAPConnectionFactory factory = SOAPConnectionFactory.newInstance();  
 SOAPConnection con = factory.createConnection();

A SOAPConnection object can be used to send messages directly to a URL following the request/response paradigm. That is, messages are sent using the method call, which sends the message and then waits until it gets a reply.

| **Constructor Summary** | |
| --- | --- |
| [**SOAPConnection**](http://docs.google.com/javax/xml/soap/SOAPConnection.html#SOAPConnection())() |

| **Method Summary** | |
| --- | --- |
| abstract  [SOAPMessage](http://docs.google.com/javax/xml/soap/SOAPMessage.html) | [**call**](http://docs.google.com/javax/xml/soap/SOAPConnection.html#call(javax.xml.soap.SOAPMessage,%20java.lang.Object))([SOAPMessage](http://docs.google.com/javax/xml/soap/SOAPMessage.html) request, [Object](http://docs.google.com/java/lang/Object.html) to)            Sends the given message to the specified endpoint and blocks until it has returned the response. |
| abstract  void | [**close**](http://docs.google.com/javax/xml/soap/SOAPConnection.html#close())()            Closes this SOAPConnection object. |
| [SOAPMessage](http://docs.google.com/javax/xml/soap/SOAPMessage.html) | [**get**](http://docs.google.com/javax/xml/soap/SOAPConnection.html#get(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) to)            Gets a message from a specific endpoint and blocks until it receives, |

| **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** |
| --- |

### SOAPConnection

public **SOAPConnection**()

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

### call

public abstract [SOAPMessage](http://docs.google.com/javax/xml/soap/SOAPMessage.html) **call**([SOAPMessage](http://docs.google.com/javax/xml/soap/SOAPMessage.html) request,  
 [Object](http://docs.google.com/java/lang/Object.html) to)  
 throws [SOAPException](http://docs.google.com/javax/xml/soap/SOAPException.html)

Sends the given message to the specified endpoint and blocks until it has returned the response.

**Parameters:**request - the SOAPMessage object to be sentto - an Object that identifies where the message should be sent. It is required to support Objects of type java.lang.String, java.net.URL, and when JAXM is present javax.xml.messaging.URLEndpoint **Returns:**the SOAPMessage object that is the response to the message that was sent **Throws:** [SOAPException](http://docs.google.com/javax/xml/soap/SOAPException.html) - if there is a SOAP error

### get

public [SOAPMessage](http://docs.google.com/javax/xml/soap/SOAPMessage.html) **get**([Object](http://docs.google.com/java/lang/Object.html) to)  
 throws [SOAPException](http://docs.google.com/javax/xml/soap/SOAPException.html)

Gets a message from a specific endpoint and blocks until it receives,

**Parameters:**to - an Object that identifies where the request should be sent. Objects of type java.lang.String and java.net.URL must be supported. **Returns:**the SOAPMessage object that is the response to the get message request **Throws:** [SOAPException](http://docs.google.com/javax/xml/soap/SOAPException.html) - if there is a SOAP error**Since:** SAAJ 1.3

### close

public abstract void **close**()  
 throws [SOAPException](http://docs.google.com/javax/xml/soap/SOAPException.html)

Closes this SOAPConnection object.

**Throws:** [SOAPException](http://docs.google.com/javax/xml/soap/SOAPException.html) - if there is a SOAP error

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SOAPConnection.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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[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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