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

## **javax.xml.ws.spi**

Class Provider

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **javax.xml.ws.spi.Provider**

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

Service provider for ServiceDelegate and Endpoint objects.

**Since:** JAX-WS 2.0

| **Field Summary** | |
| --- | --- |
| static [String](http://docs.google.com/java/lang/String.html) | [**JAXWSPROVIDER\_PROPERTY**](http://docs.google.com/javax/xml/ws/spi/Provider.html#JAXWSPROVIDER_PROPERTY)            A constant representing the property used to lookup the name of a Provider implementation class. |

| **Constructor Summary** | |
| --- | --- |
| protected | [**Provider**](http://docs.google.com/javax/xml/ws/spi/Provider.html#Provider())()            Creates a new instance of Provider |

| **Method Summary** | |
| --- | --- |
| abstract  [Endpoint](http://docs.google.com/javax/xml/ws/Endpoint.html) | [**createAndPublishEndpoint**](http://docs.google.com/javax/xml/ws/spi/Provider.html#createAndPublishEndpoint(java.lang.String,%20java.lang.Object))([String](http://docs.google.com/java/lang/String.html) address, [Object](http://docs.google.com/java/lang/Object.html) implementor)            Creates and publishes an endpoint object with the specified address and implementation object. |
| abstract  [Endpoint](http://docs.google.com/javax/xml/ws/Endpoint.html) | [**createEndpoint**](http://docs.google.com/javax/xml/ws/spi/Provider.html#createEndpoint(java.lang.String,%20java.lang.Object))([String](http://docs.google.com/java/lang/String.html) bindingId, [Object](http://docs.google.com/java/lang/Object.html) implementor)            Creates an endpoint object with the provided binding and implementation object. |
| abstract  [ServiceDelegate](http://docs.google.com/javax/xml/ws/spi/ServiceDelegate.html) | [**createServiceDelegate**](http://docs.google.com/javax/xml/ws/spi/Provider.html#createServiceDelegate(java.net.URL,%20javax.xml.namespace.QName,%20java.lang.Class))([URL](http://docs.google.com/java/net/URL.html) wsdlDocumentLocation, [QName](http://docs.google.com/javax/xml/namespace/QName.html) serviceName, [Class](http://docs.google.com/java/lang/Class.html) serviceClass)            Creates a service delegate object. |
| static [Provider](http://docs.google.com/javax/xml/ws/spi/Provider.html) | [**provider**](http://docs.google.com/javax/xml/ws/spi/Provider.html#provider())()            Creates a new provider 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()), [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)) |

| **Field Detail** |
| --- |

### JAXWSPROVIDER\_PROPERTY

public static final [String](http://docs.google.com/java/lang/String.html) **JAXWSPROVIDER\_PROPERTY**

A constant representing the property used to lookup the name of a Provider implementation class.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.xml.ws.spi.Provider.JAXWSPROVIDER_PROPERTY)

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

### Provider

protected **Provider**()

Creates a new instance of Provider

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

### provider

public static [Provider](http://docs.google.com/javax/xml/ws/spi/Provider.html) **provider**()

Creates a new provider object.

The algorithm used to locate the provider subclass to use consists of the following steps:

* If a resource with the name of META-INF/services/javax.xml.ws.spi.Provider exists, then its first line, if present, is used as the UTF-8 encoded name of the implementation class.
* If the $java.home/lib/jaxws.properties file exists and it is readable by the java.util.Properties.load(InputStream) method and it contains an entry whose key is javax.xml.ws.spi.Provider, then the value of that entry is used as the name of the implementation class.
* If a system property with the name javax.xml.ws.spi.Provider is defined, then its value is used as the name of the implementation class.
* Finally, a default implementation class name is used.

### createServiceDelegate

public abstract [ServiceDelegate](http://docs.google.com/javax/xml/ws/spi/ServiceDelegate.html) **createServiceDelegate**([URL](http://docs.google.com/java/net/URL.html) wsdlDocumentLocation,  
 [QName](http://docs.google.com/javax/xml/namespace/QName.html) serviceName,  
 [Class](http://docs.google.com/java/lang/Class.html) serviceClass)

Creates a service delegate object.

**Parameters:**wsdlDocumentLocation - A URL pointing to the WSDL document for the service, or null if there isn't one.serviceName - The qualified name of the service.serviceClass - The service class, which must be either javax.xml.ws.Service or a subclass thereof. **Returns:**The newly created service delegate.

### createEndpoint

public abstract [Endpoint](http://docs.google.com/javax/xml/ws/Endpoint.html) **createEndpoint**([String](http://docs.google.com/java/lang/String.html) bindingId,  
 [Object](http://docs.google.com/java/lang/Object.html) implementor)

Creates an endpoint object with the provided binding and implementation object.

**Parameters:**bindingId - A URI specifying the desired binding (e.g. SOAP/HTTP)implementor - A service implementation object to which incoming requests will be dispatched. The corresponding class must be annotated with all the necessary Web service annotations. **Returns:**The newly created endpoint.

### createAndPublishEndpoint

public abstract [Endpoint](http://docs.google.com/javax/xml/ws/Endpoint.html) **createAndPublishEndpoint**([String](http://docs.google.com/java/lang/String.html) address,  
 [Object](http://docs.google.com/java/lang/Object.html) implementor)

Creates and publishes an endpoint object with the specified address and implementation object.

**Parameters:**address - A URI specifying the address and transport/protocol to use. A http: URI must result in the SOAP 1.1/HTTP binding being used. Implementations may support other URI schemes.implementor - A service implementation object to which incoming requests will be dispatched. The corresponding class must be annotated with all the necessary Web service annotations. **Returns:**The newly created endpoint.

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