| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Endpoint.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/ws/Dispatch.html)   [**NEXT CLASS**](http://docs.google.com/javax/xml/ws/Holder.html) | [**FRAMES**](http://docs.google.com/index.html?javax/xml/ws/Endpoint.html)    [**NO FRAMES**](http://docs.google.com/Endpoint.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#1t3h5sf) | [CONSTR](#17dp8vu) | [METHOD](#26in1rg) |

## **javax.xml.ws**

Class Endpoint

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

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

A Web service endpoint.

Endpoints are created using the static methods defined in this class. An endpoint is always tied to one Binding and one implementor, both set at endpoint creation time.

An endpoint is either in a published or an unpublished state. The publish methods can be used to start publishing an endpoint, at which point it starts accepting incoming requests. Conversely, the stop method can be used to stop accepting incoming requests and take the endpoint down. Once stopped, an endpoint cannot be published again.

An Executor may be set on the endpoint in order to gain better control over the threads used to dispatch incoming requests. For instance, thread pooling with certain parameters can be enabled by creating a ThreadPoolExecutor and registering it with the endpoint.

Handler chains can be set using the contained Binding.

An endpoint may have a list of metadata documents, such as WSDL and XMLSchema documents, bound to it. At publishing time, the JAX-WS implementation will try to reuse as much of that metadata as possible instead of generating new one based on the annotations present on the implementor.

**Since:** JAX-WS 2.0 **See Also:**[Binding](http://docs.google.com/javax/xml/ws/Binding.html), [BindingType](http://docs.google.com/javax/xml/ws/BindingType.html), [SOAPBinding](http://docs.google.com/javax/xml/ws/soap/SOAPBinding.html), [Executor](http://docs.google.com/java/util/concurrent/Executor.html)

| **Field Summary** | |
| --- | --- |
| static [String](http://docs.google.com/java/lang/String.html) | [**WSDL\_PORT**](http://docs.google.com/javax/xml/ws/Endpoint.html#WSDL_PORT)            Standard property: name of WSDL port. |
| static [String](http://docs.google.com/java/lang/String.html) | [**WSDL\_SERVICE**](http://docs.google.com/javax/xml/ws/Endpoint.html#WSDL_SERVICE)            Standard property: name of WSDL service. |

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

| **Method Summary** | |
| --- | --- |
| static [Endpoint](http://docs.google.com/javax/xml/ws/Endpoint.html) | [**create**](http://docs.google.com/javax/xml/ws/Endpoint.html#create(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) implementor)            Creates an endpoint with the specified implementor object. |
| static [Endpoint](http://docs.google.com/javax/xml/ws/Endpoint.html) | [**create**](http://docs.google.com/javax/xml/ws/Endpoint.html#create(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 with the specified binding type and implementor object. |
| abstract  [Binding](http://docs.google.com/javax/xml/ws/Binding.html) | [**getBinding**](http://docs.google.com/javax/xml/ws/Endpoint.html#getBinding())()            Returns the binding for this endpoint. |
| abstract  [Executor](http://docs.google.com/java/util/concurrent/Executor.html) | [**getExecutor**](http://docs.google.com/javax/xml/ws/Endpoint.html#getExecutor())()            Returns the executor for this Endpointinstance. |
| abstract  [Object](http://docs.google.com/java/lang/Object.html) | [**getImplementor**](http://docs.google.com/javax/xml/ws/Endpoint.html#getImplementor())()            Returns the implementation object for this endpoint. |
| abstract  [List](http://docs.google.com/java/util/List.html)<[Source](http://docs.google.com/javax/xml/transform/Source.html)> | [**getMetadata**](http://docs.google.com/javax/xml/ws/Endpoint.html#getMetadata())()            Returns a list of metadata documents for the service. |
| abstract  [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Object](http://docs.google.com/java/lang/Object.html)> | [**getProperties**](http://docs.google.com/javax/xml/ws/Endpoint.html#getProperties())()            Returns the property bag for this Endpoint instance. |
| abstract  boolean | [**isPublished**](http://docs.google.com/javax/xml/ws/Endpoint.html#isPublished())()            Returns true if the endpoint is in the published state. |
| abstract  void | [**publish**](http://docs.google.com/javax/xml/ws/Endpoint.html#publish(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) serverContext)            Publishes this endpoint at the provided server context. |
| abstract  void | [**publish**](http://docs.google.com/javax/xml/ws/Endpoint.html#publish(java.lang.String))([String](http://docs.google.com/java/lang/String.html) address)            Publishes this endpoint at the given address. |
| static [Endpoint](http://docs.google.com/javax/xml/ws/Endpoint.html) | [**publish**](http://docs.google.com/javax/xml/ws/Endpoint.html#publish(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 for the specified implementor object at the given address. |
| abstract  void | [**setExecutor**](http://docs.google.com/javax/xml/ws/Endpoint.html#setExecutor(java.util.concurrent.Executor))([Executor](http://docs.google.com/java/util/concurrent/Executor.html) executor)            Sets the executor for this Endpoint instance. |
| abstract  void | [**setMetadata**](http://docs.google.com/javax/xml/ws/Endpoint.html#setMetadata(java.util.List))([List](http://docs.google.com/java/util/List.html)<[Source](http://docs.google.com/javax/xml/transform/Source.html)> metadata)            Sets the metadata for this endpoint. |
| abstract  void | [**setProperties**](http://docs.google.com/javax/xml/ws/Endpoint.html#setProperties(java.util.Map))([Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Object](http://docs.google.com/java/lang/Object.html)> properties)            Sets the property bag for this Endpoint instance. |
| abstract  void | [**stop**](http://docs.google.com/javax/xml/ws/Endpoint.html#stop())()            Stops publishing this endpoint. |

| **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** |
| --- |

### WSDL\_SERVICE

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

Standard property: name of WSDL service.

Type: javax.xml.namespace.QName

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

### WSDL\_PORT

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

Standard property: name of WSDL port.

Type: javax.xml.namespace.QName

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

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

### Endpoint

public **Endpoint**()

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

### create

public static [Endpoint](http://docs.google.com/javax/xml/ws/Endpoint.html) **create**([Object](http://docs.google.com/java/lang/Object.html) implementor)

Creates an endpoint with the specified implementor object. If there is a binding specified via a BindingType annotation then it MUST be used else a default of SOAP 1.1 / HTTP binding MUST be used.

The newly created endpoint may be published by calling one of the javax.xml.ws.Endpoint#publish(String) and javax.xml.ws.Endpoint#publish(Object) methods.

**Parameters:**implementor - The endpoint implementor. **Returns:**The newly created endpoint.

### create

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

Creates an endpoint with the specified binding type and implementor object.

The newly created endpoint may be published by calling one of the javax.xml.ws.Endpoint#publish(String) and javax.xml.ws.Endpoint#publish(Object) methods.

**Parameters:**bindingId - A URI specifying the binding to use. If the bindingID is null and no binding is specified via a BindingType annotation then a default SOAP 1.1 / HTTP binding MUST be used.implementor - The endpoint implementor. **Returns:**The newly created endpoint.

### getBinding

public abstract [Binding](http://docs.google.com/javax/xml/ws/Binding.html) **getBinding**()

Returns the binding for this endpoint.

**Returns:**The binding for this endpoint

### getImplementor

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

Returns the implementation object for this endpoint.

**Returns:**The implementor for this endpoint

### publish

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

Publishes this endpoint at the given address. The necessary server infrastructure will be created and configured by the JAX-WS implementation using some default configuration. In order to get more control over the server configuration, please use the javax.xml.ws.Endpoint#publish(Object) method instead.

**Parameters:**address - A URI specifying the address to use. The address must be compatible with the binding specified at the time the endpoint was created. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - If the provided address URI is not usable in conjunction with the endpoint's binding. [IllegalStateException](http://docs.google.com/java/lang/IllegalStateException.html) - If the endpoint has been published already or it has been stopped.

### publish

public static [Endpoint](http://docs.google.com/javax/xml/ws/Endpoint.html) **publish**([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 for the specified implementor object at the given address.

The necessary server infrastructure will be created and configured by the JAX-WS implementation using some default configuration. In order to get more control over the server configuration, please use the javax.xml.ws.Endpoint#create(String,Object) and javax.xml.ws.Endpoint#publish(Object) method instead.

**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 - The endpoint implementor. **Returns:**The newly created endpoint.

### publish

public abstract void **publish**([Object](http://docs.google.com/java/lang/Object.html) serverContext)

Publishes this endpoint at the provided server context. A server context encapsulates the server infrastructure and addressing information for a particular transport. For a call to this method to succeed, the server context passed as an argument to it must be compatible with the endpoint's binding.

**Parameters:**serverContext - An object representing a server context to be used for publishing the endpoint. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - If the provided server context is not supported by the implementation or turns out to be unusable in conjunction with the endpoint's binding. [IllegalStateException](http://docs.google.com/java/lang/IllegalStateException.html) - If the endpoint has been published already or it has been stopped.

### stop

public abstract void **stop**()

Stops publishing this endpoint. If the endpoint is not in a published state, this method has not effect.

### isPublished

public abstract boolean **isPublished**()

Returns true if the endpoint is in the published state.

**Returns:**true if the endpoint is in the published state.

### getMetadata

public abstract [List](http://docs.google.com/java/util/List.html)<[Source](http://docs.google.com/javax/xml/transform/Source.html)> **getMetadata**()

Returns a list of metadata documents for the service.

**Returns:**List<javax.xml.transform.Source> A list of metadata documents for the service

### setMetadata

public abstract void **setMetadata**([List](http://docs.google.com/java/util/List.html)<[Source](http://docs.google.com/javax/xml/transform/Source.html)> metadata)

Sets the metadata for this endpoint.

**Parameters:**metadata - A list of XML document sources containing metadata information for the endpoint (e.g. WSDL or XML Schema documents) **Throws:** [IllegalStateException](http://docs.google.com/java/lang/IllegalStateException.html) - If the endpoint has already been published.

### getExecutor

public abstract [Executor](http://docs.google.com/java/util/concurrent/Executor.html) **getExecutor**()

Returns the executor for this Endpointinstance. The executor is used to dispatch an incoming request to the implementor object.

**Returns:**The java.util.concurrent.Executor to be used to dispatch a request.**See Also:**[Executor](http://docs.google.com/java/util/concurrent/Executor.html)

### setExecutor

public abstract void **setExecutor**([Executor](http://docs.google.com/java/util/concurrent/Executor.html) executor)

Sets the executor for this Endpoint instance. The executor is used to dispatch an incoming request to the implementor object. If this Endpoint is published using the publish(Object) method and the specified server context defines its own threading behavior, the executor may be ignored.

**Parameters:**executor - The java.util.concurrent.Executor to be used to dispatch a request. **Throws:** [SecurityException](http://docs.google.com/java/lang/SecurityException.html) - If the instance does not support setting an executor for security reasons (e.g. the necessary permissions are missing).**See Also:**[Executor](http://docs.google.com/java/util/concurrent/Executor.html)

### getProperties

public abstract [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Object](http://docs.google.com/java/lang/Object.html)> **getProperties**()

Returns the property bag for this Endpoint instance.

**Returns:**Map<String,Object> The property bag associated with this instance.

### setProperties

public abstract void **setProperties**([Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),[Object](http://docs.google.com/java/lang/Object.html)> properties)

Sets the property bag for this Endpoint instance.

**Parameters:**properties - The property bag associated with this instance.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Endpoint.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/ws/Dispatch.html)   [**NEXT CLASS**](http://docs.google.com/javax/xml/ws/Holder.html) | [**FRAMES**](http://docs.google.com/index.html?javax/xml/ws/Endpoint.html)    [**NO FRAMES**](http://docs.google.com/Endpoint.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#1t3h5sf) | [CONSTR](#17dp8vu) | [METHOD](#26in1rg) |

[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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