| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/lang/annotation/Retention.html) | **Use** | [**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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| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?java/lang/annotation//class-useRetention.html)    [**NO FRAMES**](http://docs.google.com/Retention.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Class**

**java.lang.annotation.Retention**

| Packages that use [Retention](http://docs.google.com/java/lang/annotation/Retention.html) | |
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| [**java.beans**](#3znysh7) | Contains classes related to developing *beans* -- components based on the JavaBeansTM architecture. |
| [**java.lang**](#2et92p0) | Provides classes that are fundamental to the design of the Java programming language. |
| [**java.lang.annotation**](#tyjcwt) | Provides library support for the Java programming language annotation facility. |
| [**javax.annotation**](#3dy6vkm) |  |
| [**javax.annotation.processing**](#1t3h5sf) | Facilities for declaring annotation processors and for allowing annotation processors to communicate with an annotation processing tool environment. |
| [**javax.jws**](#4d34og8) |  |
| [**javax.jws.soap**](#2s8eyo1) |  |
| [**javax.management**](#17dp8vu) | Provides the core classes for the Java Management Extensions. |
| [**javax.xml.bind.annotation**](#3rdcrjn) | Defines annotations for customizing Java program elements to XML Schema mapping. |
| [**javax.xml.bind.annotation.adapters**](#26in1rg) | [XmlAdapter](http://docs.google.com/javax/xml/bind/annotation/adapters/XmlAdapter.html) and its spec-defined sub-classes to allow arbitrary Java classes to be used with JAXB. |
| [**javax.xml.ws**](#lnxbz9) | This package contains the core JAX-WS APIs. |

| Uses of [Retention](http://docs.google.com/java/lang/annotation/Retention.html) in [java.beans](http://docs.google.com/java/beans/package-summary.html) | |
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| Classes in [java.beans](http://docs.google.com/java/beans/package-summary.html) with annotations of type [Retention](http://docs.google.com/java/lang/annotation/Retention.html) | |
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| interface | [**ConstructorProperties**](http://docs.google.com/java/beans/ConstructorProperties.html)            An annotation on a constructor that shows how the parameters of that constructor correspond to the constructed object's getter methods. |

| Uses of [Retention](http://docs.google.com/java/lang/annotation/Retention.html) in [java.lang](http://docs.google.com/java/lang/package-summary.html) | |
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| Classes in [java.lang](http://docs.google.com/java/lang/package-summary.html) with annotations of type [Retention](http://docs.google.com/java/lang/annotation/Retention.html) | |
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| interface | [**Deprecated**](http://docs.google.com/java/lang/Deprecated.html)            A program element annotated @Deprecated is one that programmers are discouraged from using, typically because it is dangerous, or because a better alternative exists. |
| interface | [**Override**](http://docs.google.com/java/lang/Override.html)            Indicates that a method declaration is intended to override a method declaration in a superclass. |
| interface | [**SuppressWarnings**](http://docs.google.com/java/lang/SuppressWarnings.html)            Indicates that the named compiler warnings should be suppressed in the annotated element (and in all program elements contained in the annotated element). |

| Uses of [Retention](http://docs.google.com/java/lang/annotation/Retention.html) in [java.lang.annotation](http://docs.google.com/java/lang/annotation/package-summary.html) | |
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| Classes in [java.lang.annotation](http://docs.google.com/java/lang/annotation/package-summary.html) with annotations of type [Retention](http://docs.google.com/java/lang/annotation/Retention.html) | |
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| interface | [**Documented**](http://docs.google.com/java/lang/annotation/Documented.html)            Indicates that annotations with a type are to be documented by javadoc and similar tools by default. |
| interface | [**Inherited**](http://docs.google.com/java/lang/annotation/Inherited.html)            Indicates that an annotation type is automatically inherited. |
| interface | [**Retention**](http://docs.google.com/java/lang/annotation/Retention.html)            Indicates how long annotations with the annotated type are to be retained. |
| interface | [**Target**](http://docs.google.com/java/lang/annotation/Target.html)            Indicates the kinds of program element to which an annotation type is applicable. |

| Uses of [Retention](http://docs.google.com/java/lang/annotation/Retention.html) in [javax.annotation](http://docs.google.com/javax/annotation/package-summary.html) | |
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| Classes in [javax.annotation](http://docs.google.com/javax/annotation/package-summary.html) with annotations of type [Retention](http://docs.google.com/java/lang/annotation/Retention.html) | |
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| interface | [**Generated**](http://docs.google.com/javax/annotation/Generated.html)            The Generated annoation is used to mark source code that has been generated. |
| interface | [**PostConstruct**](http://docs.google.com/javax/annotation/PostConstruct.html)            The PostConstruct annotation is used on a method that needs to be executed after dependency injection is done to perform any initialization. |
| interface | [**PreDestroy**](http://docs.google.com/javax/annotation/PreDestroy.html)            The PreDestroy annotation is used on methods as a callback notification to signal that the instance is in the process of being removed by the container. |
| interface | [**Resource**](http://docs.google.com/javax/annotation/Resource.html)            The Resource annotation marks a resource that is needed by the application. |
| interface | [**Resources**](http://docs.google.com/javax/annotation/Resources.html)            This class is used to allow multiple resources declarations. |

| Uses of [Retention](http://docs.google.com/java/lang/annotation/Retention.html) in [javax.annotation.processing](http://docs.google.com/javax/annotation/processing/package-summary.html) | |
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| Classes in [javax.annotation.processing](http://docs.google.com/javax/annotation/processing/package-summary.html) with annotations of type [Retention](http://docs.google.com/java/lang/annotation/Retention.html) | |
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| interface | [**SupportedAnnotationTypes**](http://docs.google.com/javax/annotation/processing/SupportedAnnotationTypes.html)            An annotation used to indicate what annotation types an annotation processor supports. |
| interface | [**SupportedOptions**](http://docs.google.com/javax/annotation/processing/SupportedOptions.html)            An annotation used to indicate what options an annotation processor supports. |
| interface | [**SupportedSourceVersion**](http://docs.google.com/javax/annotation/processing/SupportedSourceVersion.html)            An annotation used to indicate the latest source version an annotation processor supports. |

| Uses of [Retention](http://docs.google.com/java/lang/annotation/Retention.html) in [javax.jws](http://docs.google.com/javax/jws/package-summary.html) | |
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| Classes in [javax.jws](http://docs.google.com/javax/jws/package-summary.html) with annotations of type [Retention](http://docs.google.com/java/lang/annotation/Retention.html) | |
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| interface | [**HandlerChain**](http://docs.google.com/javax/jws/HandlerChain.html)            Associates the Web Service with an externally defined handler chain. |
| interface | [**Oneway**](http://docs.google.com/javax/jws/Oneway.html)            Indicates that the given @WebMethod has only an input message and no output. |
| interface | [**WebMethod**](http://docs.google.com/javax/jws/WebMethod.html)            Customizes a method that is exposed as a Web Service operation. |
| interface | [**WebParam**](http://docs.google.com/javax/jws/WebParam.html)            Customizes the mapping of an individual parameter to a Web Service message part and XML element. |
| interface | [**WebResult**](http://docs.google.com/javax/jws/WebResult.html)            Customizes the mapping of the return value to a WSDL part and XML element. |
| interface | [**WebService**](http://docs.google.com/javax/jws/WebService.html)            Marks a Java class as implementing a Web Service, or a Java interface as defining a Web Service interface. |

| Uses of [Retention](http://docs.google.com/java/lang/annotation/Retention.html) in [javax.jws.soap](http://docs.google.com/javax/jws/soap/package-summary.html) | |
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| Classes in [javax.jws.soap](http://docs.google.com/javax/jws/soap/package-summary.html) with annotations of type [Retention](http://docs.google.com/java/lang/annotation/Retention.html) | |
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| interface | [**SOAPBinding**](http://docs.google.com/javax/jws/soap/SOAPBinding.html)            Specifies the mapping of the Web Service onto the SOAP message protocol. |
| interface | [**SOAPMessageHandlers**](http://docs.google.com/javax/jws/soap/SOAPMessageHandlers.html)  **Deprecated.** *As of JSR-181 2.0 with no replacement.* |

| Uses of [Retention](http://docs.google.com/java/lang/annotation/Retention.html) in [javax.management](http://docs.google.com/javax/management/package-summary.html) | |
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| Classes in [javax.management](http://docs.google.com/javax/management/package-summary.html) with annotations of type [Retention](http://docs.google.com/java/lang/annotation/Retention.html) | |
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| interface | [**DescriptorKey**](http://docs.google.com/javax/management/DescriptorKey.html)            Meta-annotation that describes how an annotation element relates to a field in a [Descriptor](http://docs.google.com/javax/management/Descriptor.html). |
| interface | [**MXBean**](http://docs.google.com/javax/management/MXBean.html)            Annotation to mark an interface explicitly as being an MXBean interface, or as not being an MXBean interface. |

| Uses of [Retention](http://docs.google.com/java/lang/annotation/Retention.html) in [javax.xml.bind.annotation](http://docs.google.com/javax/xml/bind/annotation/package-summary.html) | |
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| Classes in [javax.xml.bind.annotation](http://docs.google.com/javax/xml/bind/annotation/package-summary.html) with annotations of type [Retention](http://docs.google.com/java/lang/annotation/Retention.html) | |
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| interface | [**XmlAccessorOrder**](http://docs.google.com/javax/xml/bind/annotation/XmlAccessorOrder.html)             Controls the ordering of fields and properties in a class. |
| interface | [**XmlAccessorType**](http://docs.google.com/javax/xml/bind/annotation/XmlAccessorType.html)             Controls whether fields or Javabean properties are serialized by default. |
| interface | [**XmlAnyAttribute**](http://docs.google.com/javax/xml/bind/annotation/XmlAnyAttribute.html)             Maps a JavaBean property to a map of wildcard attributes. |
| interface | [**XmlAnyElement**](http://docs.google.com/javax/xml/bind/annotation/XmlAnyElement.html)            Maps a JavaBean property to XML infoset representation and/or JAXB element. |
| interface | [**XmlAttachmentRef**](http://docs.google.com/javax/xml/bind/annotation/XmlAttachmentRef.html)            Marks a field/property that its XML form is a uri reference to mime content. |
| interface | [**XmlAttribute**](http://docs.google.com/javax/xml/bind/annotation/XmlAttribute.html)             Maps a JavaBean property to a XML attribute. |
| interface | [**XmlElement**](http://docs.google.com/javax/xml/bind/annotation/XmlElement.html)            Maps a JavaBean property to a XML element derived from property name. |
| interface | [**XmlElementDecl**](http://docs.google.com/javax/xml/bind/annotation/XmlElementDecl.html)            Maps a factory method to a XML element. |
| interface | [**XmlElementRef**](http://docs.google.com/javax/xml/bind/annotation/XmlElementRef.html)             Maps a JavaBean property to a XML element derived from property's type. |
| interface | [**XmlElementRefs**](http://docs.google.com/javax/xml/bind/annotation/XmlElementRefs.html)            Marks a property that refers to classes with [XmlElement](http://docs.google.com/javax/xml/bind/annotation/XmlElement.html) or JAXBElement. |
| interface | [**XmlElements**](http://docs.google.com/javax/xml/bind/annotation/XmlElements.html)             A container for multiple @[XmlElement](http://docs.google.com/javax/xml/bind/annotation/XmlElement.html) annotations. |
| interface | [**XmlElementWrapper**](http://docs.google.com/javax/xml/bind/annotation/XmlElementWrapper.html)            Generates a wrapper element around XML representation. |
| interface | [**XmlEnum**](http://docs.google.com/javax/xml/bind/annotation/XmlEnum.html)             Maps an enum type [Enum](http://docs.google.com/java/lang/Enum.html) to XML representation. |
| interface | [**XmlEnumValue**](http://docs.google.com/javax/xml/bind/annotation/XmlEnumValue.html)            Maps an enum constant in [Enum](http://docs.google.com/java/lang/Enum.html) type to XML representation. |
| interface | [**XmlID**](http://docs.google.com/javax/xml/bind/annotation/XmlID.html)             Maps a JavaBean property to XML ID. |
| interface | [**XmlIDREF**](http://docs.google.com/javax/xml/bind/annotation/XmlIDREF.html)             Maps a JavaBean property to XML IDREF. |
| interface | [**XmlInlineBinaryData**](http://docs.google.com/javax/xml/bind/annotation/XmlInlineBinaryData.html)            Disable consideration of XOP encoding for datatypes that are bound to base64-encoded binary data in XML. |
| interface | [**XmlList**](http://docs.google.com/javax/xml/bind/annotation/XmlList.html)            Used to map a property to a list simple type. |
| interface | [**XmlMimeType**](http://docs.google.com/javax/xml/bind/annotation/XmlMimeType.html)            Associates the MIME type that controls the XML representation of the property. |
| interface | [**XmlMixed**](http://docs.google.com/javax/xml/bind/annotation/XmlMixed.html)             Annotate a JavaBean multi-valued property to support mixed content. |
| interface | [**XmlNs**](http://docs.google.com/javax/xml/bind/annotation/XmlNs.html)             Associates a namespace prefix with a XML namespace URI. |
| interface | [**XmlRegistry**](http://docs.google.com/javax/xml/bind/annotation/XmlRegistry.html)            Marks a class that has [XmlElementDecl](http://docs.google.com/javax/xml/bind/annotation/XmlElementDecl.html)s. |
| interface | [**XmlRootElement**](http://docs.google.com/javax/xml/bind/annotation/XmlRootElement.html)            Maps a class or an enum type to an XML element. |
| interface | [**XmlSchema**](http://docs.google.com/javax/xml/bind/annotation/XmlSchema.html)             Maps a package name to a XML namespace. |
| interface | [**XmlSchemaType**](http://docs.google.com/javax/xml/bind/annotation/XmlSchemaType.html)            Maps a Java type to a simple schema built-in type. |
| interface | [**XmlSchemaTypes**](http://docs.google.com/javax/xml/bind/annotation/XmlSchemaTypes.html)             A container for multiple @[XmlSchemaType](http://docs.google.com/javax/xml/bind/annotation/XmlSchemaType.html) annotations. |
| interface | [**XmlTransient**](http://docs.google.com/javax/xml/bind/annotation/XmlTransient.html)             Prevents the mapping of a JavaBean property to XML representation. |
| interface | [**XmlType**](http://docs.google.com/javax/xml/bind/annotation/XmlType.html)             Maps a class or an enum type to a XML Schema type. |
| interface | [**XmlValue**](http://docs.google.com/javax/xml/bind/annotation/XmlValue.html)             Enables mapping a class to a XML Schema complex type with a simpleContent or a XML Schema simple type. |

| Uses of [Retention](http://docs.google.com/java/lang/annotation/Retention.html) in [javax.xml.bind.annotation.adapters](http://docs.google.com/javax/xml/bind/annotation/adapters/package-summary.html) | |
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| Classes in [javax.xml.bind.annotation.adapters](http://docs.google.com/javax/xml/bind/annotation/adapters/package-summary.html) with annotations of type [Retention](http://docs.google.com/java/lang/annotation/Retention.html) | |
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| interface | [**XmlJavaTypeAdapter**](http://docs.google.com/javax/xml/bind/annotation/adapters/XmlJavaTypeAdapter.html)            Use an adapter that implements [XmlAdapter](http://docs.google.com/javax/xml/bind/annotation/adapters/XmlAdapter.html) for custom marshaling. |
| interface | [**XmlJavaTypeAdapters**](http://docs.google.com/javax/xml/bind/annotation/adapters/XmlJavaTypeAdapters.html)             A container for multiple @[XmlJavaTypeAdapter](http://docs.google.com/javax/xml/bind/annotation/adapters/XmlJavaTypeAdapter.html) annotations. |

| Uses of [Retention](http://docs.google.com/java/lang/annotation/Retention.html) in [javax.xml.ws](http://docs.google.com/javax/xml/ws/package-summary.html) | |
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| Classes in [javax.xml.ws](http://docs.google.com/javax/xml/ws/package-summary.html) with annotations of type [Retention](http://docs.google.com/java/lang/annotation/Retention.html) | |
| --- | --- |
| interface | [**BindingType**](http://docs.google.com/javax/xml/ws/BindingType.html)            The BindingType annotation is used to specify the binding to use for a web service endpoint implementation class. |
| interface | [**RequestWrapper**](http://docs.google.com/javax/xml/ws/RequestWrapper.html)            Used to annotate methods in the Service Endpoint Interface with the request wrapper bean to be used at runtime. |
| interface | [**ResponseWrapper**](http://docs.google.com/javax/xml/ws/ResponseWrapper.html)            Used to annotate methods in the Service Endpoint Interface with the response wrapper bean to be used at runtime. |
| interface | [**ServiceMode**](http://docs.google.com/javax/xml/ws/ServiceMode.html)            Used to indicate whether a Provider implementation wishes to work with entire protocol messages or just with protocol message payloads. |
| interface | [**WebEndpoint**](http://docs.google.com/javax/xml/ws/WebEndpoint.html)            Used to annotate the get*PortName*() methods of a generated service interface. |
| interface | [**WebFault**](http://docs.google.com/javax/xml/ws/WebFault.html)            Used to annotate service specific exception classes to customize to the local and namespace name of the fault element and the name of the fault bean. |
| interface | [**WebServiceClient**](http://docs.google.com/javax/xml/ws/WebServiceClient.html)            Used to annotate a generated service interface. |
| interface | [**WebServiceProvider**](http://docs.google.com/javax/xml/ws/WebServiceProvider.html)            Used to annotate a Provider implementation class. |
| interface | [**WebServiceRef**](http://docs.google.com/javax/xml/ws/WebServiceRef.html)            The WebServiceRef annotation is used to define a reference to a web service and (optionally) an injection target for it. |
| interface | [**WebServiceRefs**](http://docs.google.com/javax/xml/ws/WebServiceRefs.html)            The WebServiceRefs annotation allows multiple web service references to be declared at the class level. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/lang/annotation/Retention.html) | **Use** | [**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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