| | [**Overview**](http://docs.google.com/overview-summary.html) | **Package** | Class | [**Use**](http://docs.google.com/package-use.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 PACKAGE**](http://docs.google.com/javax/xml/package-summary.html)   [**NEXT PACKAGE**](http://docs.google.com/javax/xml/bind/annotation/package-summary.html) | [**FRAMES**](http://docs.google.com/index.html?javax/xml/bind/package-summary.html)    [**NO FRAMES**](http://docs.google.com/package-summary.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

## Package javax.xml.bind

Provides a runtime binding framework for client applications including unmarshalling, marshalling, and validation capabilities.

**See:**

[**Description**](#3znysh7)

| **Interface Summary** | |
| --- | --- |
| [**DatatypeConverterInterface**](http://docs.google.com/javax/xml/bind/DatatypeConverterInterface.html) | The DatatypeConverterInterface is for JAXB provider use only. |
| [**Element**](http://docs.google.com/javax/xml/bind/Element.html) | This is an element marker interface. |
| [**Marshaller**](http://docs.google.com/javax/xml/bind/Marshaller.html) | The Marshaller class is responsible for governing the process of serializing Java content trees back into XML data. |
| [**NotIdentifiableEvent**](http://docs.google.com/javax/xml/bind/NotIdentifiableEvent.html) | This event indicates that a problem was encountered resolving an ID/IDREF. |
| [**ParseConversionEvent**](http://docs.google.com/javax/xml/bind/ParseConversionEvent.html) | This event indicates that a problem was encountered while converting a string from the XML data into a value of the target Java data type. |
| [**PrintConversionEvent**](http://docs.google.com/javax/xml/bind/PrintConversionEvent.html) | This event indicates that a problem was encountered while converting data from the Java content tree into its lexical representation. |
| [**Unmarshaller**](http://docs.google.com/javax/xml/bind/Unmarshaller.html) | The Unmarshaller class governs the process of deserializing XML data into newly created Java content trees, optionally validating the XML data as it is unmarshalled. |
| [**UnmarshallerHandler**](http://docs.google.com/javax/xml/bind/UnmarshallerHandler.html) | Unmarshaller implemented as SAX ContentHandler. |
| [**ValidationEvent**](http://docs.google.com/javax/xml/bind/ValidationEvent.html) | This event indicates that a problem was encountered while validating the incoming XML data during an unmarshal operation, while performing on-demand validation of the Java content tree, or while marshalling the Java content tree back to XML data. |
| [**ValidationEventHandler**](http://docs.google.com/javax/xml/bind/ValidationEventHandler.html) | A basic event handler interface for validation errors. |
| [**ValidationEventLocator**](http://docs.google.com/javax/xml/bind/ValidationEventLocator.html) | Encapsulate the location of a ValidationEvent. |
| [**Validator**](http://docs.google.com/javax/xml/bind/Validator.html) | **Deprecated.** *since JAXB 2.0* |

| **Class Summary** | |
| --- | --- |
| [**Binder<XmlNode>**](http://docs.google.com/javax/xml/bind/Binder.html) | Enable synchronization between XML infoset nodes and JAXB objects representing same XML document. |
| [**DatatypeConverter**](http://docs.google.com/javax/xml/bind/DatatypeConverter.html) | The javaType binding declaration can be used to customize the binding of an XML schema datatype to a Java datatype. |
| [**JAXBContext**](http://docs.google.com/javax/xml/bind/JAXBContext.html) | The JAXBContext class provides the client's entry point to the JAXB API. |
| [**JAXBElement<T>**](http://docs.google.com/javax/xml/bind/JAXBElement.html) | JAXB representation of an Xml Element. |
| [**JAXBElement.GlobalScope**](http://docs.google.com/javax/xml/bind/JAXBElement.GlobalScope.html) | Designates global scope for an xml element. |
| [**JAXBIntrospector**](http://docs.google.com/javax/xml/bind/JAXBIntrospector.html) | Provide access to JAXB xml binding data for a JAXB object. |
| [**Marshaller.Listener**](http://docs.google.com/javax/xml/bind/Marshaller.Listener.html) | Register an instance of an implementation of this class with a [Marshaller](http://docs.google.com/javax/xml/bind/Marshaller.html) to externally listen for marshal events. |
| [**SchemaOutputResolver**](http://docs.google.com/javax/xml/bind/SchemaOutputResolver.html) | Controls where a JAXB implementation puts the generates schema files. |
| [**Unmarshaller.Listener**](http://docs.google.com/javax/xml/bind/Unmarshaller.Listener.html) | Register an instance of an implementation of this class with [Unmarshaller](http://docs.google.com/javax/xml/bind/Unmarshaller.html) to externally listen for unmarshal events. |

| **Exception Summary** | |
| --- | --- |
| [**JAXBException**](http://docs.google.com/javax/xml/bind/JAXBException.html) | This is the root exception class for all JAXB exceptions. |
| [**MarshalException**](http://docs.google.com/javax/xml/bind/MarshalException.html) | This exception indicates that an error has occurred while performing a marshal operation that the provider is unable to recover from. |
| [**PropertyException**](http://docs.google.com/javax/xml/bind/PropertyException.html) | This exception indicates that an error was encountered while getting or setting a property. |
| [**TypeConstraintException**](http://docs.google.com/javax/xml/bind/TypeConstraintException.html) | This exception indicates that a violation of a dynamically checked type constraint was detected. |
| [**UnmarshalException**](http://docs.google.com/javax/xml/bind/UnmarshalException.html) | This exception indicates that an error has occurred while performing an unmarshal operation that prevents the JAXB Provider from completing the operation. |
| [**ValidationException**](http://docs.google.com/javax/xml/bind/ValidationException.html) | This exception indicates that an error has occurred while performing a validate operation. |

## Package javax.xml.bind Description

Provides a runtime binding framework for client applications including unmarshalling, marshalling, and validation capabilities.

JAXBContext is the client-entry point to the runtime binding framework.

## Package Specification

* [JAXB Specification](http://java.sun.com/xml/downloads/jaxb.html)

## Related Documentation

For overviews, tutorials, examples, guides, and tool documentation, please see:

* The [JAXB Website](http://java.sun.com/xml/jaxb/index.html)

| | [**Overview**](http://docs.google.com/overview-summary.html) | **Package** | Class | [**Use**](http://docs.google.com/package-use.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 PACKAGE**](http://docs.google.com/javax/xml/package-summary.html)   [**NEXT PACKAGE**](http://docs.google.com/javax/xml/bind/annotation/package-summary.html) | [**FRAMES**](http://docs.google.com/index.html?javax/xml/bind/package-summary.html)    [**NO FRAMES**](http://docs.google.com/package-summary.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

[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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