| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Marshaller.Listener.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/bind/Marshaller.html)   [**NEXT CLASS**](http://docs.google.com/javax/xml/bind/NotIdentifiableEvent.html) | [**FRAMES**](http://docs.google.com/index.html?javax/xml/bind/Marshaller.Listener.html)    [**NO FRAMES**](http://docs.google.com/Marshaller.Listener.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.bind**

Class Marshaller.Listener

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **javax.xml.bind.Marshaller.Listener**

**Enclosing interface:**[Marshaller](http://docs.google.com/javax/xml/bind/Marshaller.html)

public abstract static class **Marshaller.Listener**extends [Object](http://docs.google.com/java/lang/Object.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.

This class enables pre and post processing of each marshalled object. The event callbacks are called when marshalling from an instance that maps to an xml element or complex type definition. The event callbacks are not called when marshalling from an instance of a Java datatype that represents a simple type definition.

External listener is one of two different mechanisms for defining marshal event callbacks. See [Marshal Event Callbacks](http://docs.google.com/Marshaller.html#marshalEventCallback) for an overview.

**Since:** JAXB2.0 **See Also:**[Marshaller.setListener(Listener)](http://docs.google.com/javax/xml/bind/Marshaller.html#setListener(javax.xml.bind.Marshaller.Listener)), [Marshaller.getListener()](http://docs.google.com/javax/xml/bind/Marshaller.html#getListener())

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

| **Method Summary** | |
| --- | --- |
| void | [**afterMarshal**](http://docs.google.com/javax/xml/bind/Marshaller.Listener.html#afterMarshal(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) source)    Callback method invoked after marshalling source to XML. |
| void | [**beforeMarshal**](http://docs.google.com/javax/xml/bind/Marshaller.Listener.html#beforeMarshal(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) source)    Callback method invoked before marshalling from source to XML. |

| **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** |
| --- |

### Marshaller.Listener

public **Marshaller.Listener**()

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

### beforeMarshal

public void **beforeMarshal**([Object](http://docs.google.com/java/lang/Object.html) source)

Callback method invoked before marshalling from source to XML.

This method is invoked just before marshalling process starts to marshal source. Note that if the class of source defines its own beforeMarshal method, the class specific callback method is invoked just before this method is invoked.

**Parameters:**source - instance of JAXB mapped class prior to marshalling from it.

### afterMarshal

public void **afterMarshal**([Object](http://docs.google.com/java/lang/Object.html) source)

Callback method invoked after marshalling source to XML.

This method is invoked after source and all its descendants have been marshalled. Note that if the class of source defines its own afterMarshal method, the class specific callback method is invoked just before this method is invoked.

**Parameters:**source - instance of JAXB mapped class after marshalling it.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/Marshaller.Listener.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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| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

[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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