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

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

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

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

This class enables pre and post processing of an instance of a JAXB mapped class as XML data is unmarshalled into it. The event callbacks are called when unmarshalling XML content into a JAXBElement instance or a JAXB mapped class that represents a complex type definition. The event callbacks are not called when unmarshalling to an instance of a Java datatype that represents a simple type definition.

External listener is one of two different mechanisms for defining unmarshal event callbacks. See [Unmarshal Event Callbacks](http://docs.google.com/Unmarshaller.html#unmarshalEventCallback) for an overview.

(@link #setListener(Listener)} (@link #getListener()}

**Since:** JAXB2.0

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

| **Method Summary** | |
| --- | --- |
| void | [**afterUnmarshal**](http://docs.google.com/javax/xml/bind/Unmarshaller.Listener.html#afterUnmarshal(java.lang.Object,%20java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) target, [Object](http://docs.google.com/java/lang/Object.html) parent)    Callback method invoked after unmarshalling XML data into target. |
| void | [**beforeUnmarshal**](http://docs.google.com/javax/xml/bind/Unmarshaller.Listener.html#beforeUnmarshal(java.lang.Object,%20java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) target, [Object](http://docs.google.com/java/lang/Object.html) parent)    Callback method invoked before unmarshalling into target. |

| **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** |
| --- |

### Unmarshaller.Listener

public **Unmarshaller.Listener**()

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

### beforeUnmarshal

public void **beforeUnmarshal**([Object](http://docs.google.com/java/lang/Object.html) target,  
 [Object](http://docs.google.com/java/lang/Object.html) parent)

Callback method invoked before unmarshalling into target.

This method is invoked immediately after target was created and before the unmarshalling of this object begins. Note that if the class of target defines its own beforeUnmarshal method, the class specific callback method is invoked before this method is invoked.

**Parameters:**target - non-null instance of JAXB mapped class prior to unmarshalling into it.parent - instance of JAXB mapped class that will eventually reference target. null when target is root element.

### afterUnmarshal

public void **afterUnmarshal**([Object](http://docs.google.com/java/lang/Object.html) target,  
 [Object](http://docs.google.com/java/lang/Object.html) parent)

Callback method invoked after unmarshalling XML data into target.

This method is invoked after all the properties (except IDREF) are unmarshalled into target, but before target is set into its parent object. Note that if the class of target defines its own afterUnmarshal method, the class specific callback method is invoked before this method is invoked.

**Parameters:**target - non-null instance of JAXB mapped class prior to unmarshalling into it.parent - instance of JAXB mapped class that will reference target. null when target is root element.

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

Copyright 2006 Sun Microsystems, Inc. All rights reserved. Use is subject to [license terms](http://docs.google.com/legal/license.html). Also see the [documentation redistribution policy](http://java.sun.com/docs/redist.html).