| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/W3CDomHandler.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/annotation/DomHandler.html)   [**NEXT CLASS**](http://docs.google.com/javax/xml/bind/annotation/XmlAccessOrder.html) | [**FRAMES**](http://docs.google.com/index.html?javax/xml/bind/annotation/W3CDomHandler.html)    [**NO FRAMES**](http://docs.google.com/W3CDomHandler.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#2s8eyo1) |

## **javax.xml.bind.annotation**

Class W3CDomHandler

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **javax.xml.bind.annotation.W3CDomHandler**

**All Implemented Interfaces:** [DomHandler](http://docs.google.com/javax/xml/bind/annotation/DomHandler.html)<[Element](http://docs.google.com/org/w3c/dom/Element.html),[DOMResult](http://docs.google.com/javax/xml/transform/dom/DOMResult.html)>

public class **W3CDomHandler**extends [Object](http://docs.google.com/java/lang/Object.html)implements [DomHandler](http://docs.google.com/javax/xml/bind/annotation/DomHandler.html)<[Element](http://docs.google.com/org/w3c/dom/Element.html),[DOMResult](http://docs.google.com/javax/xml/transform/dom/DOMResult.html)>

[DomHandler](http://docs.google.com/javax/xml/bind/annotation/DomHandler.html) implementation for W3C DOM (org.w3c.dom package.)

**Since:** JAXB2.0

| **Constructor Summary** | |
| --- | --- |
| [**W3CDomHandler**](http://docs.google.com/javax/xml/bind/annotation/W3CDomHandler.html#W3CDomHandler())()            Default constructor. |
| [**W3CDomHandler**](http://docs.google.com/javax/xml/bind/annotation/W3CDomHandler.html#W3CDomHandler(javax.xml.parsers.DocumentBuilder))([DocumentBuilder](http://docs.google.com/javax/xml/parsers/DocumentBuilder.html) builder)            Constructor that allows applications to specify which DOM implementation to be used. |

| **Method Summary** | |
| --- | --- |
| [DOMResult](http://docs.google.com/javax/xml/transform/dom/DOMResult.html) | [**createUnmarshaller**](http://docs.google.com/javax/xml/bind/annotation/W3CDomHandler.html#createUnmarshaller(javax.xml.bind.ValidationEventHandler))([ValidationEventHandler](http://docs.google.com/javax/xml/bind/ValidationEventHandler.html) errorHandler)            When a JAXB provider needs to unmarshal a part of a document into an infoset representation, it first calls this method to create a [Result](http://docs.google.com/javax/xml/transform/Result.html) object. |
| [DocumentBuilder](http://docs.google.com/javax/xml/parsers/DocumentBuilder.html) | [**getBuilder**](http://docs.google.com/javax/xml/bind/annotation/W3CDomHandler.html#getBuilder())() |
| [Element](http://docs.google.com/org/w3c/dom/Element.html) | [**getElement**](http://docs.google.com/javax/xml/bind/annotation/W3CDomHandler.html#getElement(javax.xml.transform.dom.DOMResult))([DOMResult](http://docs.google.com/javax/xml/transform/dom/DOMResult.html) r)            Once the portion is sent to the [Result](http://docs.google.com/javax/xml/transform/Result.html). |
| [Source](http://docs.google.com/javax/xml/transform/Source.html) | [**marshal**](http://docs.google.com/javax/xml/bind/annotation/W3CDomHandler.html#marshal(org.w3c.dom.Element,%20javax.xml.bind.ValidationEventHandler))([Element](http://docs.google.com/org/w3c/dom/Element.html) element, [ValidationEventHandler](http://docs.google.com/javax/xml/bind/ValidationEventHandler.html) errorHandler)            This method is called when a JAXB provider needs to marshal an element to XML. |
| void | [**setBuilder**](http://docs.google.com/javax/xml/bind/annotation/W3CDomHandler.html#setBuilder(javax.xml.parsers.DocumentBuilder))([DocumentBuilder](http://docs.google.com/javax/xml/parsers/DocumentBuilder.html) builder) |

| **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** |
| --- |

### W3CDomHandler

public **W3CDomHandler**()

Default constructor. It is up to a JAXB provider to decide which DOM implementation to use or how that is configured.

### W3CDomHandler

public **W3CDomHandler**([DocumentBuilder](http://docs.google.com/javax/xml/parsers/DocumentBuilder.html) builder)

Constructor that allows applications to specify which DOM implementation to be used.

**Parameters:**builder - must not be null. JAXB uses this [DocumentBuilder](http://docs.google.com/javax/xml/parsers/DocumentBuilder.html) to create a new element.

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

### getBuilder

public [DocumentBuilder](http://docs.google.com/javax/xml/parsers/DocumentBuilder.html) **getBuilder**()

### setBuilder

public void **setBuilder**([DocumentBuilder](http://docs.google.com/javax/xml/parsers/DocumentBuilder.html) builder)

### createUnmarshaller

public [DOMResult](http://docs.google.com/javax/xml/transform/dom/DOMResult.html) **createUnmarshaller**([ValidationEventHandler](http://docs.google.com/javax/xml/bind/ValidationEventHandler.html) errorHandler)

**Description copied from interface:** [**DomHandler**](http://docs.google.com/javax/xml/bind/annotation/DomHandler.html#createUnmarshaller(javax.xml.bind.ValidationEventHandler)) When a JAXB provider needs to unmarshal a part of a document into an infoset representation, it first calls this method to create a [Result](http://docs.google.com/javax/xml/transform/Result.html) object.

A JAXB provider will then send a portion of the XML into the given result. Such a portion always form a subtree of the whole XML document rooted at an element.

**Specified by:**[createUnmarshaller](http://docs.google.com/javax/xml/bind/annotation/DomHandler.html#createUnmarshaller(javax.xml.bind.ValidationEventHandler)) in interface [DomHandler](http://docs.google.com/javax/xml/bind/annotation/DomHandler.html)<[Element](http://docs.google.com/org/w3c/dom/Element.html),[DOMResult](http://docs.google.com/javax/xml/transform/dom/DOMResult.html)> **Parameters:**errorHandler - if any error happens between the invocation of this method and the invocation of [DomHandler.getElement(Result)](http://docs.google.com/javax/xml/bind/annotation/DomHandler.html#getElement(ResultT)), they must be reported to this handler. The caller must provide a non-null error handler. The [Result](http://docs.google.com/javax/xml/transform/Result.html) object created from this method may hold a reference to this error handler. **Returns:**null if the operation fails. The error must have been reported to the error handler.

### getElement

public [Element](http://docs.google.com/org/w3c/dom/Element.html) **getElement**([DOMResult](http://docs.google.com/javax/xml/transform/dom/DOMResult.html) r)

**Description copied from interface:** [**DomHandler**](http://docs.google.com/javax/xml/bind/annotation/DomHandler.html#getElement(ResultT)) Once the portion is sent to the [Result](http://docs.google.com/javax/xml/transform/Result.html). This method is called by a JAXB provider to obtain the unmarshalled element representation.

Multiple invocations of this method may return different objects. This method can be invoked only when the whole sub-tree are fed to the [Result](http://docs.google.com/javax/xml/transform/Result.html) object.

**Specified by:**[getElement](http://docs.google.com/javax/xml/bind/annotation/DomHandler.html#getElement(ResultT)) in interface [DomHandler](http://docs.google.com/javax/xml/bind/annotation/DomHandler.html)<[Element](http://docs.google.com/org/w3c/dom/Element.html),[DOMResult](http://docs.google.com/javax/xml/transform/dom/DOMResult.html)> **Parameters:**r - The [Result](http://docs.google.com/javax/xml/transform/Result.html) object created by [DomHandler.createUnmarshaller(ValidationEventHandler)](http://docs.google.com/javax/xml/bind/annotation/DomHandler.html#createUnmarshaller(javax.xml.bind.ValidationEventHandler)). **Returns:**null if the operation fails. The error must have been reported to the error handler.

### marshal

public [Source](http://docs.google.com/javax/xml/transform/Source.html) **marshal**([Element](http://docs.google.com/org/w3c/dom/Element.html) element,  
 [ValidationEventHandler](http://docs.google.com/javax/xml/bind/ValidationEventHandler.html) errorHandler)

**Description copied from interface:** [**DomHandler**](http://docs.google.com/javax/xml/bind/annotation/DomHandler.html#marshal(ElementT,%20javax.xml.bind.ValidationEventHandler)) This method is called when a JAXB provider needs to marshal an element to XML.

If non-null, the returned [Source](http://docs.google.com/javax/xml/transform/Source.html) must contain a whole document rooted at one element, which will then be weaved into a bigger document that the JAXB provider is marshalling.

**Specified by:**[marshal](http://docs.google.com/javax/xml/bind/annotation/DomHandler.html#marshal(ElementT,%20javax.xml.bind.ValidationEventHandler)) in interface [DomHandler](http://docs.google.com/javax/xml/bind/annotation/DomHandler.html)<[Element](http://docs.google.com/org/w3c/dom/Element.html),[DOMResult](http://docs.google.com/javax/xml/transform/dom/DOMResult.html)> errorHandler - Receives any errors happened during the process of converting an element into a [Source](http://docs.google.com/javax/xml/transform/Source.html). The caller must provide a non-null error handler. **Returns:**null if there was an error. The error should have been reported to the handler.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/W3CDomHandler.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/annotation/DomHandler.html)   [**NEXT CLASS**](http://docs.google.com/javax/xml/bind/annotation/XmlAccessOrder.html) | [**FRAMES**](http://docs.google.com/index.html?javax/xml/bind/annotation/W3CDomHandler.html)    [**NO FRAMES**](http://docs.google.com/W3CDomHandler.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#2s8eyo1) |

[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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