| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/AbstractMarshallerImpl.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   [**NEXT CLASS**](http://docs.google.com/javax/xml/bind/helpers/AbstractUnmarshallerImpl.html) | [**FRAMES**](http://docs.google.com/index.html?javax/xml/bind/helpers/AbstractMarshallerImpl.html)    [**NO FRAMES**](http://docs.google.com/AbstractMarshallerImpl.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#1t3h5sf) | [METHOD](#4d34og8) | DETAIL: FIELD | [CONSTR](#3rdcrjn) | [METHOD](#lnxbz9) |

## **javax.xml.bind.helpers**

Class AbstractMarshallerImpl

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

**All Implemented Interfaces:** [Marshaller](http://docs.google.com/javax/xml/bind/Marshaller.html)

public abstract class **AbstractMarshallerImpl**extends [Object](http://docs.google.com/java/lang/Object.html)implements [Marshaller](http://docs.google.com/javax/xml/bind/Marshaller.html)

Partial default Marshaller implementation.

This class provides a partial default implementation for the [Marshaller](http://docs.google.com/javax/xml/bind/Marshaller.html) interface.

The only methods that a JAXB Provider has to implement are [marshal(Object, javax.xml.transform.Result)](http://docs.google.com/javax/xml/bind/Marshaller.html#marshal(java.lang.Object,%20javax.xml.transform.Result)), [marshal(Object, javax.xml.stream.XMLStreamWriter)](http://docs.google.com/javax/xml/bind/Marshaller.html#marshal(java.lang.Object,%20javax.xml.transform.Result)), and [marshal(Object, javax.xml.stream.XMLEventWriter)](http://docs.google.com/javax/xml/bind/Marshaller.html#marshal(java.lang.Object,%20javax.xml.transform.Result)).

**Since:** JAXB1.0 **See Also:**[Marshaller](http://docs.google.com/javax/xml/bind/Marshaller.html)

| **Nested Class Summary** | |
| --- | --- |

| **Nested classes/interfaces inherited from interface javax.xml.bind.**[**Marshaller**](http://docs.google.com/javax/xml/bind/Marshaller.html) |
| --- |
| [Marshaller.Listener](http://docs.google.com/javax/xml/bind/Marshaller.Listener.html) |

| **Field Summary** | |
| --- | --- |

| **Fields inherited from interface javax.xml.bind.**[**Marshaller**](http://docs.google.com/javax/xml/bind/Marshaller.html) |
| --- |
| [JAXB\_ENCODING](http://docs.google.com/javax/xml/bind/Marshaller.html#JAXB_ENCODING), [JAXB\_FORMATTED\_OUTPUT](http://docs.google.com/javax/xml/bind/Marshaller.html#JAXB_FORMATTED_OUTPUT), [JAXB\_FRAGMENT](http://docs.google.com/javax/xml/bind/Marshaller.html#JAXB_FRAGMENT), [JAXB\_NO\_NAMESPACE\_SCHEMA\_LOCATION](http://docs.google.com/javax/xml/bind/Marshaller.html#JAXB_NO_NAMESPACE_SCHEMA_LOCATION), [JAXB\_SCHEMA\_LOCATION](http://docs.google.com/javax/xml/bind/Marshaller.html#JAXB_SCHEMA_LOCATION) |

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

| **Method Summary** | |
| --- | --- |
| | <A extends [XmlAdapter](http://docs.google.com/javax/xml/bind/annotation/adapters/XmlAdapter.html)>  A | | --- | | [**getAdapter**](http://docs.google.com/javax/xml/bind/helpers/AbstractMarshallerImpl.html#getAdapter(java.lang.Class))([Class](http://docs.google.com/java/lang/Class.html)<A> type)            Gets the adapter associated with the specified type. |
| [AttachmentMarshaller](http://docs.google.com/javax/xml/bind/attachment/AttachmentMarshaller.html) | [**getAttachmentMarshaller**](http://docs.google.com/javax/xml/bind/helpers/AbstractMarshallerImpl.html#getAttachmentMarshaller())() |
| protected  [String](http://docs.google.com/java/lang/String.html) | [**getEncoding**](http://docs.google.com/javax/xml/bind/helpers/AbstractMarshallerImpl.html#getEncoding())()            Convenience method for getting the current output encoding. |
| [ValidationEventHandler](http://docs.google.com/javax/xml/bind/ValidationEventHandler.html) | [**getEventHandler**](http://docs.google.com/javax/xml/bind/helpers/AbstractMarshallerImpl.html#getEventHandler())()            Return the current event handler or the default event handler if one hasn't been set. |
| protected  [String](http://docs.google.com/java/lang/String.html) | [**getJavaEncoding**](http://docs.google.com/javax/xml/bind/helpers/AbstractMarshallerImpl.html#getJavaEncoding(java.lang.String))([String](http://docs.google.com/java/lang/String.html) encoding)            Gets the corresponding Java encoding name from an IANA name. |
| [Marshaller.Listener](http://docs.google.com/javax/xml/bind/Marshaller.Listener.html) | [**getListener**](http://docs.google.com/javax/xml/bind/helpers/AbstractMarshallerImpl.html#getListener())()            Return [Marshaller.Listener](http://docs.google.com/javax/xml/bind/Marshaller.Listener.html) registered with this [Marshaller](http://docs.google.com/javax/xml/bind/Marshaller.html). |
| [Node](http://docs.google.com/org/w3c/dom/Node.html) | [**getNode**](http://docs.google.com/javax/xml/bind/helpers/AbstractMarshallerImpl.html#getNode(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) obj)            By default, the getNode method is unsupported and throw an [UnsupportedOperationException](http://docs.google.com/java/lang/UnsupportedOperationException.html). |
| protected  [String](http://docs.google.com/java/lang/String.html) | [**getNoNSSchemaLocation**](http://docs.google.com/javax/xml/bind/helpers/AbstractMarshallerImpl.html#getNoNSSchemaLocation())()            Convenience method for getting the current noNamespaceSchemaLocation. |
| [Object](http://docs.google.com/java/lang/Object.html) | [**getProperty**](http://docs.google.com/javax/xml/bind/helpers/AbstractMarshallerImpl.html#getProperty(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Default implementation of the getProperty method handles the four defined properties in Marshaller. |
| [Schema](http://docs.google.com/javax/xml/validation/Schema.html) | [**getSchema**](http://docs.google.com/javax/xml/bind/helpers/AbstractMarshallerImpl.html#getSchema())()            Get the JAXP 1.3 [Schema](http://docs.google.com/javax/xml/validation/Schema.html) object being used to perform marshal-time validation. |
| protected  [String](http://docs.google.com/java/lang/String.html) | [**getSchemaLocation**](http://docs.google.com/javax/xml/bind/helpers/AbstractMarshallerImpl.html#getSchemaLocation())()            Convenience method for getting the current schemaLocation. |
| protected  boolean | [**isFormattedOutput**](http://docs.google.com/javax/xml/bind/helpers/AbstractMarshallerImpl.html#isFormattedOutput())()            Convenience method for getting the formatted output flag. |
| protected  boolean | [**isFragment**](http://docs.google.com/javax/xml/bind/helpers/AbstractMarshallerImpl.html#isFragment())()            Convenience method for getting the fragment flag. |
| void | [**marshal**](http://docs.google.com/javax/xml/bind/helpers/AbstractMarshallerImpl.html#marshal(java.lang.Object,%20org.xml.sax.ContentHandler))([Object](http://docs.google.com/java/lang/Object.html) obj, [ContentHandler](http://docs.google.com/org/xml/sax/ContentHandler.html) handler)            Marshal the content tree rooted at jaxbElement into SAX2 events. |
| void | [**marshal**](http://docs.google.com/javax/xml/bind/helpers/AbstractMarshallerImpl.html#marshal(java.lang.Object,%20org.w3c.dom.Node))([Object](http://docs.google.com/java/lang/Object.html) obj, [Node](http://docs.google.com/org/w3c/dom/Node.html) node)            Marshal the content tree rooted at jaxbElement into a DOM tree. |
| void | [**marshal**](http://docs.google.com/javax/xml/bind/helpers/AbstractMarshallerImpl.html#marshal(java.lang.Object,%20java.io.OutputStream))([Object](http://docs.google.com/java/lang/Object.html) obj, [OutputStream](http://docs.google.com/java/io/OutputStream.html) os)            Marshal the content tree rooted at jaxbElement into an output stream. |
| void | [**marshal**](http://docs.google.com/javax/xml/bind/helpers/AbstractMarshallerImpl.html#marshal(java.lang.Object,%20java.io.Writer))([Object](http://docs.google.com/java/lang/Object.html) obj, [Writer](http://docs.google.com/java/io/Writer.html) w)            Marshal the content tree rooted at jaxbElement into a Writer. |
| void | [**marshal**](http://docs.google.com/javax/xml/bind/helpers/AbstractMarshallerImpl.html#marshal(java.lang.Object,%20javax.xml.stream.XMLEventWriter))([Object](http://docs.google.com/java/lang/Object.html) obj, [XMLEventWriter](http://docs.google.com/javax/xml/stream/XMLEventWriter.html) writer)            Marshal the content tree rooted at jaxbElement into a [XMLEventWriter](http://docs.google.com/javax/xml/stream/XMLEventWriter.html). |
| void | [**marshal**](http://docs.google.com/javax/xml/bind/helpers/AbstractMarshallerImpl.html#marshal(java.lang.Object,%20javax.xml.stream.XMLStreamWriter))([Object](http://docs.google.com/java/lang/Object.html) obj, [XMLStreamWriter](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html) writer)            Marshal the content tree rooted at jaxbElement into a [XMLStreamWriter](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html). |
| | <A extends [XmlAdapter](http://docs.google.com/javax/xml/bind/annotation/adapters/XmlAdapter.html)>  void | | --- | | [**setAdapter**](http://docs.google.com/javax/xml/bind/helpers/AbstractMarshallerImpl.html#setAdapter(java.lang.Class,%20A))([Class](http://docs.google.com/java/lang/Class.html)<A> type, A adapter)            Associates a configured instance of [XmlAdapter](http://docs.google.com/javax/xml/bind/annotation/adapters/XmlAdapter.html) with this marshaller. |
| void | [**setAdapter**](http://docs.google.com/javax/xml/bind/helpers/AbstractMarshallerImpl.html#setAdapter(javax.xml.bind.annotation.adapters.XmlAdapter))([XmlAdapter](http://docs.google.com/javax/xml/bind/annotation/adapters/XmlAdapter.html) adapter)            Associates a configured instance of [XmlAdapter](http://docs.google.com/javax/xml/bind/annotation/adapters/XmlAdapter.html) with this marshaller. |
| void | [**setAttachmentMarshaller**](http://docs.google.com/javax/xml/bind/helpers/AbstractMarshallerImpl.html#setAttachmentMarshaller(javax.xml.bind.attachment.AttachmentMarshaller))([AttachmentMarshaller](http://docs.google.com/javax/xml/bind/attachment/AttachmentMarshaller.html) am)            Associate a context that enables binary data within an XML document to be transmitted as XML-binary optimized attachment. |
| protected  void | [**setEncoding**](http://docs.google.com/javax/xml/bind/helpers/AbstractMarshallerImpl.html#setEncoding(java.lang.String))([String](http://docs.google.com/java/lang/String.html) encoding)            Convenience method for setting the output encoding. |
| void | [**setEventHandler**](http://docs.google.com/javax/xml/bind/helpers/AbstractMarshallerImpl.html#setEventHandler(javax.xml.bind.ValidationEventHandler))([ValidationEventHandler](http://docs.google.com/javax/xml/bind/ValidationEventHandler.html) handler)            Allow an application to register a validation event handler. |
| protected  void | [**setFormattedOutput**](http://docs.google.com/javax/xml/bind/helpers/AbstractMarshallerImpl.html#setFormattedOutput(boolean))(boolean v)            Convenience method for setting the formatted output flag. |
| protected  void | [**setFragment**](http://docs.google.com/javax/xml/bind/helpers/AbstractMarshallerImpl.html#setFragment(boolean))(boolean v)            Convenience method for setting the fragment flag. |
| void | [**setListener**](http://docs.google.com/javax/xml/bind/helpers/AbstractMarshallerImpl.html#setListener(javax.xml.bind.Marshaller.Listener))([Marshaller.Listener](http://docs.google.com/javax/xml/bind/Marshaller.Listener.html) listener)             Register marshal event callback [Marshaller.Listener](http://docs.google.com/javax/xml/bind/Marshaller.Listener.html) with this [Marshaller](http://docs.google.com/javax/xml/bind/Marshaller.html). |
| protected  void | [**setNoNSSchemaLocation**](http://docs.google.com/javax/xml/bind/helpers/AbstractMarshallerImpl.html#setNoNSSchemaLocation(java.lang.String))([String](http://docs.google.com/java/lang/String.html) location)            Convenience method for setting the noNamespaceSchemaLocation. |
| void | [**setProperty**](http://docs.google.com/javax/xml/bind/helpers/AbstractMarshallerImpl.html#setProperty(java.lang.String,%20java.lang.Object))([String](http://docs.google.com/java/lang/String.html) name, [Object](http://docs.google.com/java/lang/Object.html) value)            Default implementation of the setProperty method handles the four defined properties in Marshaller. |
| void | [**setSchema**](http://docs.google.com/javax/xml/bind/helpers/AbstractMarshallerImpl.html#setSchema(javax.xml.validation.Schema))([Schema](http://docs.google.com/javax/xml/validation/Schema.html) schema)            Specify the JAXP 1.3 [Schema](http://docs.google.com/javax/xml/validation/Schema.html) object that should be used to validate subsequent marshal operations against. |
| protected  void | [**setSchemaLocation**](http://docs.google.com/javax/xml/bind/helpers/AbstractMarshallerImpl.html#setSchemaLocation(java.lang.String))([String](http://docs.google.com/java/lang/String.html) location)            Convenience method for setting the schemaLocation. |

| **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)) |

| **Methods inherited from interface javax.xml.bind.**[**Marshaller**](http://docs.google.com/javax/xml/bind/Marshaller.html) |
| --- |
| [marshal](http://docs.google.com/javax/xml/bind/Marshaller.html#marshal(java.lang.Object,%20javax.xml.transform.Result)) |

| **Constructor Detail** |
| --- |

### AbstractMarshallerImpl

public **AbstractMarshallerImpl**()

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

### marshal

public final void **marshal**([Object](http://docs.google.com/java/lang/Object.html) obj,  
 [OutputStream](http://docs.google.com/java/io/OutputStream.html) os)  
 throws [JAXBException](http://docs.google.com/javax/xml/bind/JAXBException.html)

**Description copied from interface:** [**Marshaller**](http://docs.google.com/javax/xml/bind/Marshaller.html#marshal(java.lang.Object,%20java.io.OutputStream)) Marshal the content tree rooted at jaxbElement into an output stream.

**Specified by:**[marshal](http://docs.google.com/javax/xml/bind/Marshaller.html#marshal(java.lang.Object,%20java.io.OutputStream)) in interface [Marshaller](http://docs.google.com/javax/xml/bind/Marshaller.html) **Parameters:**obj - The root of content tree to be marshalled.os - XML will be added to this stream. **Throws:** [JAXBException](http://docs.google.com/javax/xml/bind/JAXBException.html) - If any unexpected problem occurs during the marshalling. [MarshalException](http://docs.google.com/javax/xml/bind/MarshalException.html) - If the [ValidationEventHandler](http://docs.google.com/javax/xml/bind/ValidationEventHandler.html) returns false from its handleEvent method or the Marshaller is unable to marshal obj (or any object reachable from obj). See  [Marshalling a JAXB element](#1mrcu09).

### marshal

public final void **marshal**([Object](http://docs.google.com/java/lang/Object.html) obj,  
 [Writer](http://docs.google.com/java/io/Writer.html) w)  
 throws [JAXBException](http://docs.google.com/javax/xml/bind/JAXBException.html)

**Description copied from interface:** [**Marshaller**](http://docs.google.com/javax/xml/bind/Marshaller.html#marshal(java.lang.Object,%20java.io.Writer)) Marshal the content tree rooted at jaxbElement into a Writer.

**Specified by:**[marshal](http://docs.google.com/javax/xml/bind/Marshaller.html#marshal(java.lang.Object,%20java.io.Writer)) in interface [Marshaller](http://docs.google.com/javax/xml/bind/Marshaller.html) **Parameters:**obj - The root of content tree to be marshalled.w - XML will be sent to this writer. **Throws:** [JAXBException](http://docs.google.com/javax/xml/bind/JAXBException.html) - If any unexpected problem occurs during the marshalling. [MarshalException](http://docs.google.com/javax/xml/bind/MarshalException.html) - If the [ValidationEventHandler](http://docs.google.com/javax/xml/bind/ValidationEventHandler.html) returns false from its handleEvent method or the Marshaller is unable to marshal obj (or any object reachable from obj). See  [Marshalling a JAXB element](#1mrcu09).

### marshal

public final void **marshal**([Object](http://docs.google.com/java/lang/Object.html) obj,  
 [ContentHandler](http://docs.google.com/org/xml/sax/ContentHandler.html) handler)  
 throws [JAXBException](http://docs.google.com/javax/xml/bind/JAXBException.html)

**Description copied from interface:** [**Marshaller**](http://docs.google.com/javax/xml/bind/Marshaller.html#marshal(java.lang.Object,%20org.xml.sax.ContentHandler)) Marshal the content tree rooted at jaxbElement into SAX2 events.

**Specified by:**[marshal](http://docs.google.com/javax/xml/bind/Marshaller.html#marshal(java.lang.Object,%20org.xml.sax.ContentHandler)) in interface [Marshaller](http://docs.google.com/javax/xml/bind/Marshaller.html) **Parameters:**obj - The root of content tree to be marshalled.handler - XML will be sent to this handler as SAX2 events. **Throws:** [JAXBException](http://docs.google.com/javax/xml/bind/JAXBException.html) - If any unexpected problem occurs during the marshalling. [MarshalException](http://docs.google.com/javax/xml/bind/MarshalException.html) - If the [ValidationEventHandler](http://docs.google.com/javax/xml/bind/ValidationEventHandler.html) returns false from its handleEvent method or the Marshaller is unable to marshal obj (or any object reachable from obj). See  [Marshalling a JAXB element](#1mrcu09).

### marshal

public final void **marshal**([Object](http://docs.google.com/java/lang/Object.html) obj,  
 [Node](http://docs.google.com/org/w3c/dom/Node.html) node)  
 throws [JAXBException](http://docs.google.com/javax/xml/bind/JAXBException.html)

**Description copied from interface:** [**Marshaller**](http://docs.google.com/javax/xml/bind/Marshaller.html#marshal(java.lang.Object,%20org.w3c.dom.Node)) Marshal the content tree rooted at jaxbElement into a DOM tree.

**Specified by:**[marshal](http://docs.google.com/javax/xml/bind/Marshaller.html#marshal(java.lang.Object,%20org.w3c.dom.Node)) in interface [Marshaller](http://docs.google.com/javax/xml/bind/Marshaller.html) **Parameters:**obj - The content tree to be marshalled.node - DOM nodes will be added as children of this node. This parameter must be a Node that accepts children ([Document](http://docs.google.com/org/w3c/dom/Document.html), [DocumentFragment](http://docs.google.com/org/w3c/dom/DocumentFragment.html), or [Element](http://docs.google.com/org/w3c/dom/Element.html)) **Throws:** [JAXBException](http://docs.google.com/javax/xml/bind/JAXBException.html) - If any unexpected problem occurs during the marshalling. [MarshalException](http://docs.google.com/javax/xml/bind/MarshalException.html) - If the [ValidationEventHandler](http://docs.google.com/javax/xml/bind/ValidationEventHandler.html) returns false from its handleEvent method or the Marshaller is unable to marshal jaxbElement (or any object reachable from jaxbElement). See  [Marshalling a JAXB element](#1mrcu09).

### getNode

public [Node](http://docs.google.com/org/w3c/dom/Node.html) **getNode**([Object](http://docs.google.com/java/lang/Object.html) obj)  
 throws [JAXBException](http://docs.google.com/javax/xml/bind/JAXBException.html)

By default, the getNode method is unsupported and throw an [UnsupportedOperationException](http://docs.google.com/java/lang/UnsupportedOperationException.html). Implementations that choose to support this method must override this method.

**Specified by:**[getNode](http://docs.google.com/javax/xml/bind/Marshaller.html#getNode(java.lang.Object)) in interface [Marshaller](http://docs.google.com/javax/xml/bind/Marshaller.html) **Parameters:**obj - - JAXB Java representation of XML content **Returns:**the DOM tree view of the contentTree **Throws:** [JAXBException](http://docs.google.com/javax/xml/bind/JAXBException.html) - If any unexpected problem occurs

### getEncoding

protected [String](http://docs.google.com/java/lang/String.html) **getEncoding**()

Convenience method for getting the current output encoding.

**Returns:**the current encoding or "UTF-8" if it hasn't been set.

### setEncoding

protected void **setEncoding**([String](http://docs.google.com/java/lang/String.html) encoding)

Convenience method for setting the output encoding.

**Parameters:**encoding - a valid encoding as specified in the Marshaller class documentation

### getSchemaLocation

protected [String](http://docs.google.com/java/lang/String.html) **getSchemaLocation**()

Convenience method for getting the current schemaLocation.

**Returns:**the current schemaLocation or null if it hasn't been set

### setSchemaLocation

protected void **setSchemaLocation**([String](http://docs.google.com/java/lang/String.html) location)

Convenience method for setting the schemaLocation.

**Parameters:**location - the schemaLocation value

### getNoNSSchemaLocation

protected [String](http://docs.google.com/java/lang/String.html) **getNoNSSchemaLocation**()

Convenience method for getting the current noNamespaceSchemaLocation.

**Returns:**the current noNamespaceSchemaLocation or null if it hasn't been set

### setNoNSSchemaLocation

protected void **setNoNSSchemaLocation**([String](http://docs.google.com/java/lang/String.html) location)

Convenience method for setting the noNamespaceSchemaLocation.

**Parameters:**location - the noNamespaceSchemaLocation value

### isFormattedOutput

protected boolean **isFormattedOutput**()

Convenience method for getting the formatted output flag.

**Returns:**the current value of the formatted output flag or false if it hasn't been set.

### setFormattedOutput

protected void **setFormattedOutput**(boolean v)

Convenience method for setting the formatted output flag.

**Parameters:**v - value of the formatted output flag.

### isFragment

protected boolean **isFragment**()

Convenience method for getting the fragment flag.

**Returns:**the current value of the fragment flag or false if it hasn't been set.

### setFragment

protected void **setFragment**(boolean v)

Convenience method for setting the fragment flag.

**Parameters:**v - value of the fragment flag.

### getJavaEncoding

protected [String](http://docs.google.com/java/lang/String.html) **getJavaEncoding**([String](http://docs.google.com/java/lang/String.html) encoding)  
 throws [UnsupportedEncodingException](http://docs.google.com/java/io/UnsupportedEncodingException.html)

Gets the corresponding Java encoding name from an IANA name. This method is a helper method for the derived class to convert encoding names.

**Throws:** [UnsupportedEncodingException](http://docs.google.com/java/io/UnsupportedEncodingException.html) - If this implementation couldn't find the Java encoding name.

### setProperty

public void **setProperty**([String](http://docs.google.com/java/lang/String.html) name,  
 [Object](http://docs.google.com/java/lang/Object.html) value)  
 throws [PropertyException](http://docs.google.com/javax/xml/bind/PropertyException.html)

Default implementation of the setProperty method handles the four defined properties in Marshaller. If a provider needs to handle additional properties, it should override this method in a derived class.

**Specified by:**[setProperty](http://docs.google.com/javax/xml/bind/Marshaller.html#setProperty(java.lang.String,%20java.lang.Object)) in interface [Marshaller](http://docs.google.com/javax/xml/bind/Marshaller.html) **Parameters:**name - the name of the property to be set. This value can either be specified using one of the constant fields or a user supplied string.value - the value of the property to be set **Throws:** [PropertyException](http://docs.google.com/javax/xml/bind/PropertyException.html) - when there is an error processing the given property or value

### getProperty

public [Object](http://docs.google.com/java/lang/Object.html) **getProperty**([String](http://docs.google.com/java/lang/String.html) name)  
 throws [PropertyException](http://docs.google.com/javax/xml/bind/PropertyException.html)

Default implementation of the getProperty method handles the four defined properties in Marshaller. If a provider needs to support additional provider specific properties, it should override this method in a derived class.

**Specified by:**[getProperty](http://docs.google.com/javax/xml/bind/Marshaller.html#getProperty(java.lang.String)) in interface [Marshaller](http://docs.google.com/javax/xml/bind/Marshaller.html) **Parameters:**name - the name of the property to retrieve **Returns:**the value of the requested property **Throws:** [PropertyException](http://docs.google.com/javax/xml/bind/PropertyException.html) - when there is an error retrieving the given property or value property name

### getEventHandler

public [ValidationEventHandler](http://docs.google.com/javax/xml/bind/ValidationEventHandler.html) **getEventHandler**()  
 throws [JAXBException](http://docs.google.com/javax/xml/bind/JAXBException.html)

**Description copied from interface:** [**Marshaller**](http://docs.google.com/javax/xml/bind/Marshaller.html#getEventHandler()) Return the current event handler or the default event handler if one hasn't been set.

**Specified by:**[getEventHandler](http://docs.google.com/javax/xml/bind/Marshaller.html#getEventHandler()) in interface [Marshaller](http://docs.google.com/javax/xml/bind/Marshaller.html) **Returns:**the current ValidationEventHandler or the default event handler if it hasn't been set **Throws:** [JAXBException](http://docs.google.com/javax/xml/bind/JAXBException.html) - if an error was encountered while getting the current event handler**See Also:**[Marshaller.getEventHandler()](http://docs.google.com/javax/xml/bind/Marshaller.html#getEventHandler())

### setEventHandler

public void **setEventHandler**([ValidationEventHandler](http://docs.google.com/javax/xml/bind/ValidationEventHandler.html) handler)  
 throws [JAXBException](http://docs.google.com/javax/xml/bind/JAXBException.html)

**Description copied from interface:** [**Marshaller**](http://docs.google.com/javax/xml/bind/Marshaller.html#setEventHandler(javax.xml.bind.ValidationEventHandler)) Allow an application to register a validation event handler.

The validation event handler will be called by the JAXB Provider if any validation errors are encountered during calls to any of the marshal API's. If the client application does not register a validation event handler before invoking one of the marshal methods, then validation events will be handled by the default event handler which will terminate the marshal operation after the first error or fatal error is encountered.

Calling this method with a null parameter will cause the Marshaller to revert back to the default default event handler.

**Specified by:**[setEventHandler](http://docs.google.com/javax/xml/bind/Marshaller.html#setEventHandler(javax.xml.bind.ValidationEventHandler)) in interface [Marshaller](http://docs.google.com/javax/xml/bind/Marshaller.html) **Parameters:**handler - the validation event handler **Throws:** [JAXBException](http://docs.google.com/javax/xml/bind/JAXBException.html) - if an error was encountered while setting the event handler**See Also:**[Marshaller.setEventHandler(ValidationEventHandler)](http://docs.google.com/javax/xml/bind/Marshaller.html#setEventHandler(javax.xml.bind.ValidationEventHandler))

### marshal

public void **marshal**([Object](http://docs.google.com/java/lang/Object.html) obj,  
 [XMLEventWriter](http://docs.google.com/javax/xml/stream/XMLEventWriter.html) writer)  
 throws [JAXBException](http://docs.google.com/javax/xml/bind/JAXBException.html)

**Description copied from interface:** [**Marshaller**](http://docs.google.com/javax/xml/bind/Marshaller.html#marshal(java.lang.Object,%20javax.xml.stream.XMLEventWriter)) Marshal the content tree rooted at jaxbElement into a [XMLEventWriter](http://docs.google.com/javax/xml/stream/XMLEventWriter.html).

**Specified by:**[marshal](http://docs.google.com/javax/xml/bind/Marshaller.html#marshal(java.lang.Object,%20javax.xml.stream.XMLEventWriter)) in interface [Marshaller](http://docs.google.com/javax/xml/bind/Marshaller.html) **Parameters:**obj - The content tree rooted at jaxbElement to be marshalled.writer - XML will be sent to this writer. **Throws:** [JAXBException](http://docs.google.com/javax/xml/bind/JAXBException.html) - If any unexpected problem occurs during the marshalling. [MarshalException](http://docs.google.com/javax/xml/bind/MarshalException.html) - If the [ValidationEventHandler](http://docs.google.com/javax/xml/bind/ValidationEventHandler.html) returns false from its handleEvent method or the Marshaller is unable to marshal obj (or any object reachable from obj). See  [Marshalling a JAXB element](#1mrcu09).

### marshal

public void **marshal**([Object](http://docs.google.com/java/lang/Object.html) obj,  
 [XMLStreamWriter](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html) writer)  
 throws [JAXBException](http://docs.google.com/javax/xml/bind/JAXBException.html)

**Description copied from interface:** [**Marshaller**](http://docs.google.com/javax/xml/bind/Marshaller.html#marshal(java.lang.Object,%20javax.xml.stream.XMLStreamWriter)) Marshal the content tree rooted at jaxbElement into a [XMLStreamWriter](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html).

**Specified by:**[marshal](http://docs.google.com/javax/xml/bind/Marshaller.html#marshal(java.lang.Object,%20javax.xml.stream.XMLStreamWriter)) in interface [Marshaller](http://docs.google.com/javax/xml/bind/Marshaller.html) **Parameters:**obj - The content tree to be marshalled.writer - XML will be sent to this writer. **Throws:** [JAXBException](http://docs.google.com/javax/xml/bind/JAXBException.html) - If any unexpected problem occurs during the marshalling. [MarshalException](http://docs.google.com/javax/xml/bind/MarshalException.html) - If the [ValidationEventHandler](http://docs.google.com/javax/xml/bind/ValidationEventHandler.html) returns false from its handleEvent method or the Marshaller is unable to marshal obj (or any object reachable from obj). See  [Marshalling a JAXB element](#1mrcu09).

### setSchema

public void **setSchema**([Schema](http://docs.google.com/javax/xml/validation/Schema.html) schema)

**Description copied from interface:** [**Marshaller**](http://docs.google.com/javax/xml/bind/Marshaller.html#setSchema(javax.xml.validation.Schema)) Specify the JAXP 1.3 [Schema](http://docs.google.com/javax/xml/validation/Schema.html) object that should be used to validate subsequent marshal operations against. Passing null into this method will disable validation.

This method allows the caller to validate the marshalled XML as it's marshalled.

Initially this property is set to null.

**Specified by:**[setSchema](http://docs.google.com/javax/xml/bind/Marshaller.html#setSchema(javax.xml.validation.Schema)) in interface [Marshaller](http://docs.google.com/javax/xml/bind/Marshaller.html) **Parameters:**schema - Schema object to validate marshal operations against or null to disable validation

### getSchema

public [Schema](http://docs.google.com/javax/xml/validation/Schema.html) **getSchema**()

**Description copied from interface:** [**Marshaller**](http://docs.google.com/javax/xml/bind/Marshaller.html#getSchema()) Get the JAXP 1.3 [Schema](http://docs.google.com/javax/xml/validation/Schema.html) object being used to perform marshal-time validation. If there is no Schema set on the marshaller, then this method will return null indicating that marshal-time validation will not be performed.

**Specified by:**[getSchema](http://docs.google.com/javax/xml/bind/Marshaller.html#getSchema()) in interface [Marshaller](http://docs.google.com/javax/xml/bind/Marshaller.html) **Returns:**the Schema object being used to perform marshal-time validation or null if not present.

### setAdapter

public void **setAdapter**([XmlAdapter](http://docs.google.com/javax/xml/bind/annotation/adapters/XmlAdapter.html) adapter)

**Description copied from interface:** [**Marshaller**](http://docs.google.com/javax/xml/bind/Marshaller.html#setAdapter(javax.xml.bind.annotation.adapters.XmlAdapter)) Associates a configured instance of [XmlAdapter](http://docs.google.com/javax/xml/bind/annotation/adapters/XmlAdapter.html) with this marshaller.

This is a convenience method that invokes setAdapter(adapter.getClass(),adapter);.

**Specified by:**[setAdapter](http://docs.google.com/javax/xml/bind/Marshaller.html#setAdapter(javax.xml.bind.annotation.adapters.XmlAdapter)) in interface [Marshaller](http://docs.google.com/javax/xml/bind/Marshaller.html) **See Also:**[Marshaller.setAdapter(Class,XmlAdapter)](http://docs.google.com/javax/xml/bind/Marshaller.html#setAdapter(java.lang.Class,%20A))

### setAdapter

public <A extends [XmlAdapter](http://docs.google.com/javax/xml/bind/annotation/adapters/XmlAdapter.html)> void **setAdapter**([Class](http://docs.google.com/java/lang/Class.html)<A> type,  
 A adapter)

**Description copied from interface:** [**Marshaller**](http://docs.google.com/javax/xml/bind/Marshaller.html#setAdapter(java.lang.Class,%20A)) Associates a configured instance of [XmlAdapter](http://docs.google.com/javax/xml/bind/annotation/adapters/XmlAdapter.html) with this marshaller.

Every marshaller internally maintains a [Map](http://docs.google.com/java/util/Map.html)<[Class](http://docs.google.com/java/lang/Class.html),[XmlAdapter](http://docs.google.com/javax/xml/bind/annotation/adapters/XmlAdapter.html)>, which it uses for marshalling classes whose fields/methods are annotated with [XmlJavaTypeAdapter](http://docs.google.com/javax/xml/bind/annotation/adapters/XmlJavaTypeAdapter.html).

This method allows applications to use a configured instance of [XmlAdapter](http://docs.google.com/javax/xml/bind/annotation/adapters/XmlAdapter.html). When an instance of an adapter is not given, a marshaller will create one by invoking its default constructor.

**Specified by:**[setAdapter](http://docs.google.com/javax/xml/bind/Marshaller.html#setAdapter(java.lang.Class,%20A)) in interface [Marshaller](http://docs.google.com/javax/xml/bind/Marshaller.html) **Parameters:**type - The type of the adapter. The specified instance will be used when [XmlJavaTypeAdapter.value()](http://docs.google.com/javax/xml/bind/annotation/adapters/XmlJavaTypeAdapter.html#value()) refers to this type.adapter - The instance of the adapter to be used. If null, it will un-register the current adapter set for this type.

### getAdapter

public <A extends [XmlAdapter](http://docs.google.com/javax/xml/bind/annotation/adapters/XmlAdapter.html)> A **getAdapter**([Class](http://docs.google.com/java/lang/Class.html)<A> type)

**Description copied from interface:** [**Marshaller**](http://docs.google.com/javax/xml/bind/Marshaller.html#getAdapter(java.lang.Class)) Gets the adapter associated with the specified type. This is the reverse operation of the [Marshaller.setAdapter(javax.xml.bind.annotation.adapters.XmlAdapter)](http://docs.google.com/javax/xml/bind/Marshaller.html#setAdapter(javax.xml.bind.annotation.adapters.XmlAdapter)) method.

**Specified by:**[getAdapter](http://docs.google.com/javax/xml/bind/Marshaller.html#getAdapter(java.lang.Class)) in interface [Marshaller](http://docs.google.com/javax/xml/bind/Marshaller.html)

### setAttachmentMarshaller

public void **setAttachmentMarshaller**([AttachmentMarshaller](http://docs.google.com/javax/xml/bind/attachment/AttachmentMarshaller.html) am)

**Description copied from interface:** [**Marshaller**](http://docs.google.com/javax/xml/bind/Marshaller.html#setAttachmentMarshaller(javax.xml.bind.attachment.AttachmentMarshaller))

Associate a context that enables binary data within an XML document to be transmitted as XML-binary optimized attachment. The attachment is referenced from the XML document content model by content-id URIs(cid) references stored within the xml document.

**Specified by:**[setAttachmentMarshaller](http://docs.google.com/javax/xml/bind/Marshaller.html#setAttachmentMarshaller(javax.xml.bind.attachment.AttachmentMarshaller)) in interface [Marshaller](http://docs.google.com/javax/xml/bind/Marshaller.html)

### getAttachmentMarshaller

public [AttachmentMarshaller](http://docs.google.com/javax/xml/bind/attachment/AttachmentMarshaller.html) **getAttachmentMarshaller**()

**Specified by:**[getAttachmentMarshaller](http://docs.google.com/javax/xml/bind/Marshaller.html#getAttachmentMarshaller()) in interface [Marshaller](http://docs.google.com/javax/xml/bind/Marshaller.html)

### setListener

public void **setListener**([Marshaller.Listener](http://docs.google.com/javax/xml/bind/Marshaller.Listener.html) listener)

**Description copied from interface:** [**Marshaller**](http://docs.google.com/javax/xml/bind/Marshaller.html#setListener(javax.xml.bind.Marshaller.Listener))

Register marshal event callback [Marshaller.Listener](http://docs.google.com/javax/xml/bind/Marshaller.Listener.html) with this [Marshaller](http://docs.google.com/javax/xml/bind/Marshaller.html).

There is only one Listener per Marshaller. Setting a Listener replaces the previous set Listener. One can unregister current Listener by setting listener to null.

**Specified by:**[setListener](http://docs.google.com/javax/xml/bind/Marshaller.html#setListener(javax.xml.bind.Marshaller.Listener)) in interface [Marshaller](http://docs.google.com/javax/xml/bind/Marshaller.html) **Parameters:**listener - an instance of a class that implements [Marshaller.Listener](http://docs.google.com/javax/xml/bind/Marshaller.Listener.html)

### getListener

public [Marshaller.Listener](http://docs.google.com/javax/xml/bind/Marshaller.Listener.html) **getListener**()

**Description copied from interface:** [**Marshaller**](http://docs.google.com/javax/xml/bind/Marshaller.html#getListener())

Return [Marshaller.Listener](http://docs.google.com/javax/xml/bind/Marshaller.Listener.html) registered with this [Marshaller](http://docs.google.com/javax/xml/bind/Marshaller.html).

**Specified by:**[getListener](http://docs.google.com/javax/xml/bind/Marshaller.html#getListener()) in interface [Marshaller](http://docs.google.com/javax/xml/bind/Marshaller.html) **Returns:**registered [Marshaller.Listener](http://docs.google.com/javax/xml/bind/Marshaller.Listener.html) or null if no Listener is registered with this Marshaller.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/AbstractMarshallerImpl.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   [**NEXT CLASS**](http://docs.google.com/javax/xml/bind/helpers/AbstractUnmarshallerImpl.html) | [**FRAMES**](http://docs.google.com/index.html?javax/xml/bind/helpers/AbstractMarshallerImpl.html)    [**NO FRAMES**](http://docs.google.com/AbstractMarshallerImpl.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#1t3h5sf) | [METHOD](#4d34og8) | DETAIL: FIELD | [CONSTR](#3rdcrjn) | [METHOD](#lnxbz9) |

[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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