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

## **org.xml.sax.helpers**

Class ParserAdapter

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **org.xml.sax.helpers.ParserAdapter**

**All Implemented Interfaces:** [DocumentHandler](http://docs.google.com/org/xml/sax/DocumentHandler.html), [XMLReader](http://docs.google.com/org/xml/sax/XMLReader.html)

public class **ParserAdapter**extends [Object](http://docs.google.com/java/lang/Object.html)implements [XMLReader](http://docs.google.com/org/xml/sax/XMLReader.html), [DocumentHandler](http://docs.google.com/org/xml/sax/DocumentHandler.html)

Adapt a SAX1 Parser as a SAX2 XMLReader.

*This module, both source code and documentation, is in the Public Domain, and comes with* ***NO WARRANTY****.* See <http://www.saxproject.org> for further information.

This class wraps a SAX1 [Parser](http://docs.google.com/org/xml/sax/Parser.html) and makes it act as a SAX2 [XMLReader](http://docs.google.com/org/xml/sax/XMLReader.html), with feature, property, and Namespace support. Note that it is not possible to report [skippedEntity](http://docs.google.com/org/xml/sax/ContentHandler.html#skippedEntity(java.lang.String)) events, since SAX1 does not make that information available.

This adapter does not test for duplicate Namespace-qualified attribute names.

**Since:** SAX 2.0 **See Also:**[XMLReaderAdapter](http://docs.google.com/org/xml/sax/helpers/XMLReaderAdapter.html), [XMLReader](http://docs.google.com/org/xml/sax/XMLReader.html), [Parser](http://docs.google.com/org/xml/sax/Parser.html)

| **Constructor Summary** | |
| --- | --- |
| [**ParserAdapter**](http://docs.google.com/org/xml/sax/helpers/ParserAdapter.html#ParserAdapter())()            Construct a new parser adapter. |
| [**ParserAdapter**](http://docs.google.com/org/xml/sax/helpers/ParserAdapter.html#ParserAdapter(org.xml.sax.Parser))([Parser](http://docs.google.com/org/xml/sax/Parser.html) parser)            Construct a new parser adapter. |

| **Method Summary** | |
| --- | --- |
| void | [**characters**](http://docs.google.com/org/xml/sax/helpers/ParserAdapter.html#characters(char%5B%5D,%20int,%20int))(char[] ch, int start, int length)            Adapter implementation method; do not call. |
| void | [**endDocument**](http://docs.google.com/org/xml/sax/helpers/ParserAdapter.html#endDocument())()            Adapter implementation method; do not call. |
| void | [**endElement**](http://docs.google.com/org/xml/sax/helpers/ParserAdapter.html#endElement(java.lang.String))([String](http://docs.google.com/java/lang/String.html) qName)            Adapter implementation method; do not call. |
| [ContentHandler](http://docs.google.com/org/xml/sax/ContentHandler.html) | [**getContentHandler**](http://docs.google.com/org/xml/sax/helpers/ParserAdapter.html#getContentHandler())()            Return the current content handler. |
| [DTDHandler](http://docs.google.com/org/xml/sax/DTDHandler.html) | [**getDTDHandler**](http://docs.google.com/org/xml/sax/helpers/ParserAdapter.html#getDTDHandler())()            Return the current DTD handler. |
| [EntityResolver](http://docs.google.com/org/xml/sax/EntityResolver.html) | [**getEntityResolver**](http://docs.google.com/org/xml/sax/helpers/ParserAdapter.html#getEntityResolver())()            Return the current entity resolver. |
| [ErrorHandler](http://docs.google.com/org/xml/sax/ErrorHandler.html) | [**getErrorHandler**](http://docs.google.com/org/xml/sax/helpers/ParserAdapter.html#getErrorHandler())()            Return the current error handler. |
| boolean | [**getFeature**](http://docs.google.com/org/xml/sax/helpers/ParserAdapter.html#getFeature(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Check a parser feature flag. |
| [Object](http://docs.google.com/java/lang/Object.html) | [**getProperty**](http://docs.google.com/org/xml/sax/helpers/ParserAdapter.html#getProperty(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Get a parser property. |
| void | [**ignorableWhitespace**](http://docs.google.com/org/xml/sax/helpers/ParserAdapter.html#ignorableWhitespace(char%5B%5D,%20int,%20int))(char[] ch, int start, int length)            Adapter implementation method; do not call. |
| void | [**parse**](http://docs.google.com/org/xml/sax/helpers/ParserAdapter.html#parse(org.xml.sax.InputSource))([InputSource](http://docs.google.com/org/xml/sax/InputSource.html) input)            Parse an XML document. |
| void | [**parse**](http://docs.google.com/org/xml/sax/helpers/ParserAdapter.html#parse(java.lang.String))([String](http://docs.google.com/java/lang/String.html) systemId)            Parse an XML document. |
| void | [**processingInstruction**](http://docs.google.com/org/xml/sax/helpers/ParserAdapter.html#processingInstruction(java.lang.String,%20java.lang.String))([String](http://docs.google.com/java/lang/String.html) target, [String](http://docs.google.com/java/lang/String.html) data)            Adapter implementation method; do not call. |
| void | [**setContentHandler**](http://docs.google.com/org/xml/sax/helpers/ParserAdapter.html#setContentHandler(org.xml.sax.ContentHandler))([ContentHandler](http://docs.google.com/org/xml/sax/ContentHandler.html) handler)            Set the content handler. |
| void | [**setDocumentLocator**](http://docs.google.com/org/xml/sax/helpers/ParserAdapter.html#setDocumentLocator(org.xml.sax.Locator))([Locator](http://docs.google.com/org/xml/sax/Locator.html) locator)            Adapter implementation method; do not call. |
| void | [**setDTDHandler**](http://docs.google.com/org/xml/sax/helpers/ParserAdapter.html#setDTDHandler(org.xml.sax.DTDHandler))([DTDHandler](http://docs.google.com/org/xml/sax/DTDHandler.html) handler)            Set the DTD handler. |
| void | [**setEntityResolver**](http://docs.google.com/org/xml/sax/helpers/ParserAdapter.html#setEntityResolver(org.xml.sax.EntityResolver))([EntityResolver](http://docs.google.com/org/xml/sax/EntityResolver.html) resolver)            Set the entity resolver. |
| void | [**setErrorHandler**](http://docs.google.com/org/xml/sax/helpers/ParserAdapter.html#setErrorHandler(org.xml.sax.ErrorHandler))([ErrorHandler](http://docs.google.com/org/xml/sax/ErrorHandler.html) handler)            Set the error handler. |
| void | [**setFeature**](http://docs.google.com/org/xml/sax/helpers/ParserAdapter.html#setFeature(java.lang.String,%20boolean))([String](http://docs.google.com/java/lang/String.html) name, boolean value)            Set a feature flag for the parser. |
| void | [**setProperty**](http://docs.google.com/org/xml/sax/helpers/ParserAdapter.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)            Set a parser property. |
| void | [**startDocument**](http://docs.google.com/org/xml/sax/helpers/ParserAdapter.html#startDocument())()            Adapter implementation method; do not call. |
| void | [**startElement**](http://docs.google.com/org/xml/sax/helpers/ParserAdapter.html#startElement(java.lang.String,%20org.xml.sax.AttributeList))([String](http://docs.google.com/java/lang/String.html) qName, [AttributeList](http://docs.google.com/org/xml/sax/AttributeList.html) qAtts)            Adapter implementation method; do not call. |

| **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** |
| --- |

### ParserAdapter

public **ParserAdapter**()  
 throws [SAXException](http://docs.google.com/org/xml/sax/SAXException.html)

Construct a new parser adapter.

Use the "org.xml.sax.parser" property to locate the embedded SAX1 driver.

**Throws:** [SAXException](http://docs.google.com/org/xml/sax/SAXException.html) - If the embedded driver cannot be instantiated or if the org.xml.sax.parser property is not specified.

### ParserAdapter

public **ParserAdapter**([Parser](http://docs.google.com/org/xml/sax/Parser.html) parser)

Construct a new parser adapter.

Note that the embedded parser cannot be changed once the adapter is created; to embed a different parser, allocate a new ParserAdapter.

**Parameters:**parser - The SAX1 parser to embed. **Throws:** [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - If the parser parameter is null.

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

### setFeature

public void **setFeature**([String](http://docs.google.com/java/lang/String.html) name,  
 boolean value)  
 throws [SAXNotRecognizedException](http://docs.google.com/org/xml/sax/SAXNotRecognizedException.html),  
 [SAXNotSupportedException](http://docs.google.com/org/xml/sax/SAXNotSupportedException.html)

Set a feature flag for the parser.

The only features recognized are namespaces and namespace-prefixes.

**Specified by:**[setFeature](http://docs.google.com/org/xml/sax/XMLReader.html#setFeature(java.lang.String,%20boolean)) in interface [XMLReader](http://docs.google.com/org/xml/sax/XMLReader.html) **Parameters:**name - The feature name, as a complete URI.value - The requested feature value. **Throws:** [SAXNotRecognizedException](http://docs.google.com/org/xml/sax/SAXNotRecognizedException.html) - If the feature can't be assigned or retrieved. [SAXNotSupportedException](http://docs.google.com/org/xml/sax/SAXNotSupportedException.html) - If the feature can't be assigned that value.**See Also:**[XMLReader.setFeature(java.lang.String, boolean)](http://docs.google.com/org/xml/sax/XMLReader.html#setFeature(java.lang.String,%20boolean))

### getFeature

public boolean **getFeature**([String](http://docs.google.com/java/lang/String.html) name)  
 throws [SAXNotRecognizedException](http://docs.google.com/org/xml/sax/SAXNotRecognizedException.html),  
 [SAXNotSupportedException](http://docs.google.com/org/xml/sax/SAXNotSupportedException.html)

Check a parser feature flag.

The only features recognized are namespaces and namespace-prefixes.

**Specified by:**[getFeature](http://docs.google.com/org/xml/sax/XMLReader.html#getFeature(java.lang.String)) in interface [XMLReader](http://docs.google.com/org/xml/sax/XMLReader.html) **Parameters:**name - The feature name, as a complete URI. **Returns:**The current feature value. **Throws:** [SAXNotRecognizedException](http://docs.google.com/org/xml/sax/SAXNotRecognizedException.html) - If the feature value can't be assigned or retrieved. [SAXNotSupportedException](http://docs.google.com/org/xml/sax/SAXNotSupportedException.html) - If the feature is not currently readable.**See Also:**[XMLReader.setFeature(java.lang.String, boolean)](http://docs.google.com/org/xml/sax/XMLReader.html#setFeature(java.lang.String,%20boolean))

### 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 [SAXNotRecognizedException](http://docs.google.com/org/xml/sax/SAXNotRecognizedException.html),  
 [SAXNotSupportedException](http://docs.google.com/org/xml/sax/SAXNotSupportedException.html)

Set a parser property.

No properties are currently recognized.

**Specified by:**[setProperty](http://docs.google.com/org/xml/sax/XMLReader.html#setProperty(java.lang.String,%20java.lang.Object)) in interface [XMLReader](http://docs.google.com/org/xml/sax/XMLReader.html) **Parameters:**name - The property name.value - The property value. **Throws:** [SAXNotRecognizedException](http://docs.google.com/org/xml/sax/SAXNotRecognizedException.html) - If the property value can't be assigned or retrieved. [SAXNotSupportedException](http://docs.google.com/org/xml/sax/SAXNotSupportedException.html) - If the property can't be assigned that value.**See Also:**[XMLReader.setProperty(java.lang.String, java.lang.Object)](http://docs.google.com/org/xml/sax/XMLReader.html#setProperty(java.lang.String,%20java.lang.Object))

### getProperty

public [Object](http://docs.google.com/java/lang/Object.html) **getProperty**([String](http://docs.google.com/java/lang/String.html) name)  
 throws [SAXNotRecognizedException](http://docs.google.com/org/xml/sax/SAXNotRecognizedException.html),  
 [SAXNotSupportedException](http://docs.google.com/org/xml/sax/SAXNotSupportedException.html)

Get a parser property.

No properties are currently recognized.

**Specified by:**[getProperty](http://docs.google.com/org/xml/sax/XMLReader.html#getProperty(java.lang.String)) in interface [XMLReader](http://docs.google.com/org/xml/sax/XMLReader.html) **Parameters:**name - The property name. **Returns:**The property value. **Throws:** [SAXNotRecognizedException](http://docs.google.com/org/xml/sax/SAXNotRecognizedException.html) - If the property value can't be assigned or retrieved. [SAXNotSupportedException](http://docs.google.com/org/xml/sax/SAXNotSupportedException.html) - If the property value is not currently readable.**See Also:**[XMLReader.getProperty(java.lang.String)](http://docs.google.com/org/xml/sax/XMLReader.html#getProperty(java.lang.String))

### setEntityResolver

public void **setEntityResolver**([EntityResolver](http://docs.google.com/org/xml/sax/EntityResolver.html) resolver)

Set the entity resolver.

**Specified by:**[setEntityResolver](http://docs.google.com/org/xml/sax/XMLReader.html#setEntityResolver(org.xml.sax.EntityResolver)) in interface [XMLReader](http://docs.google.com/org/xml/sax/XMLReader.html) **Parameters:**resolver - The new entity resolver.**See Also:**[XMLReader.setEntityResolver(org.xml.sax.EntityResolver)](http://docs.google.com/org/xml/sax/XMLReader.html#setEntityResolver(org.xml.sax.EntityResolver))

### getEntityResolver

public [EntityResolver](http://docs.google.com/org/xml/sax/EntityResolver.html) **getEntityResolver**()

Return the current entity resolver.

**Specified by:**[getEntityResolver](http://docs.google.com/org/xml/sax/XMLReader.html#getEntityResolver()) in interface [XMLReader](http://docs.google.com/org/xml/sax/XMLReader.html) **Returns:**The current entity resolver, or null if none was supplied.**See Also:**[XMLReader.getEntityResolver()](http://docs.google.com/org/xml/sax/XMLReader.html#getEntityResolver())

### setDTDHandler

public void **setDTDHandler**([DTDHandler](http://docs.google.com/org/xml/sax/DTDHandler.html) handler)

Set the DTD handler.

**Specified by:**[setDTDHandler](http://docs.google.com/org/xml/sax/XMLReader.html#setDTDHandler(org.xml.sax.DTDHandler)) in interface [XMLReader](http://docs.google.com/org/xml/sax/XMLReader.html) **Parameters:**handler - the new DTD handler**See Also:**[XMLReader.setEntityResolver(org.xml.sax.EntityResolver)](http://docs.google.com/org/xml/sax/XMLReader.html#setEntityResolver(org.xml.sax.EntityResolver))

### getDTDHandler

public [DTDHandler](http://docs.google.com/org/xml/sax/DTDHandler.html) **getDTDHandler**()

Return the current DTD handler.

**Specified by:**[getDTDHandler](http://docs.google.com/org/xml/sax/XMLReader.html#getDTDHandler()) in interface [XMLReader](http://docs.google.com/org/xml/sax/XMLReader.html) **Returns:**the current DTD handler, or null if none was supplied**See Also:**[XMLReader.getEntityResolver()](http://docs.google.com/org/xml/sax/XMLReader.html#getEntityResolver())

### setContentHandler

public void **setContentHandler**([ContentHandler](http://docs.google.com/org/xml/sax/ContentHandler.html) handler)

Set the content handler.

**Specified by:**[setContentHandler](http://docs.google.com/org/xml/sax/XMLReader.html#setContentHandler(org.xml.sax.ContentHandler)) in interface [XMLReader](http://docs.google.com/org/xml/sax/XMLReader.html) **Parameters:**handler - the new content handler**See Also:**[XMLReader.setEntityResolver(org.xml.sax.EntityResolver)](http://docs.google.com/org/xml/sax/XMLReader.html#setEntityResolver(org.xml.sax.EntityResolver))

### getContentHandler

public [ContentHandler](http://docs.google.com/org/xml/sax/ContentHandler.html) **getContentHandler**()

Return the current content handler.

**Specified by:**[getContentHandler](http://docs.google.com/org/xml/sax/XMLReader.html#getContentHandler()) in interface [XMLReader](http://docs.google.com/org/xml/sax/XMLReader.html) **Returns:**The current content handler, or null if none was supplied.**See Also:**[XMLReader.getEntityResolver()](http://docs.google.com/org/xml/sax/XMLReader.html#getEntityResolver())

### setErrorHandler

public void **setErrorHandler**([ErrorHandler](http://docs.google.com/org/xml/sax/ErrorHandler.html) handler)

Set the error handler.

**Specified by:**[setErrorHandler](http://docs.google.com/org/xml/sax/XMLReader.html#setErrorHandler(org.xml.sax.ErrorHandler)) in interface [XMLReader](http://docs.google.com/org/xml/sax/XMLReader.html) **Parameters:**handler - The new error handler.**See Also:**[XMLReader.setEntityResolver(org.xml.sax.EntityResolver)](http://docs.google.com/org/xml/sax/XMLReader.html#setEntityResolver(org.xml.sax.EntityResolver))

### getErrorHandler

public [ErrorHandler](http://docs.google.com/org/xml/sax/ErrorHandler.html) **getErrorHandler**()

Return the current error handler.

**Specified by:**[getErrorHandler](http://docs.google.com/org/xml/sax/XMLReader.html#getErrorHandler()) in interface [XMLReader](http://docs.google.com/org/xml/sax/XMLReader.html) **Returns:**The current error handler, or null if none was supplied.**See Also:**[XMLReader.getEntityResolver()](http://docs.google.com/org/xml/sax/XMLReader.html#getEntityResolver())

### parse

public void **parse**([String](http://docs.google.com/java/lang/String.html) systemId)  
 throws [IOException](http://docs.google.com/java/io/IOException.html),  
 [SAXException](http://docs.google.com/org/xml/sax/SAXException.html)

Parse an XML document.

**Specified by:**[parse](http://docs.google.com/org/xml/sax/XMLReader.html#parse(java.lang.String)) in interface [XMLReader](http://docs.google.com/org/xml/sax/XMLReader.html) **Parameters:**systemId - The absolute URL of the document. **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - If there is a problem reading the raw content of the document. [SAXException](http://docs.google.com/org/xml/sax/SAXException.html) - If there is a problem processing the document.**See Also:**[parse(org.xml.sax.InputSource)](http://docs.google.com/org/xml/sax/helpers/ParserAdapter.html#parse(org.xml.sax.InputSource)), [Parser.parse(java.lang.String)](http://docs.google.com/org/xml/sax/Parser.html#parse(java.lang.String))

### parse

public void **parse**([InputSource](http://docs.google.com/org/xml/sax/InputSource.html) input)  
 throws [IOException](http://docs.google.com/java/io/IOException.html),  
 [SAXException](http://docs.google.com/org/xml/sax/SAXException.html)

Parse an XML document.

**Specified by:**[parse](http://docs.google.com/org/xml/sax/XMLReader.html#parse(org.xml.sax.InputSource)) in interface [XMLReader](http://docs.google.com/org/xml/sax/XMLReader.html) **Parameters:**input - An input source for the document. **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - If there is a problem reading the raw content of the document. [SAXException](http://docs.google.com/org/xml/sax/SAXException.html) - If there is a problem processing the document.**See Also:**[parse(java.lang.String)](http://docs.google.com/org/xml/sax/helpers/ParserAdapter.html#parse(java.lang.String)), [Parser.parse(org.xml.sax.InputSource)](http://docs.google.com/org/xml/sax/Parser.html#parse(org.xml.sax.InputSource))

### setDocumentLocator

public void **setDocumentLocator**([Locator](http://docs.google.com/org/xml/sax/Locator.html) locator)

Adapter implementation method; do not call. Adapt a SAX1 document locator event.

**Specified by:**[setDocumentLocator](http://docs.google.com/org/xml/sax/DocumentHandler.html#setDocumentLocator(org.xml.sax.Locator)) in interface [DocumentHandler](http://docs.google.com/org/xml/sax/DocumentHandler.html) **Parameters:**locator - A document locator.**See Also:**[ContentHandler.setDocumentLocator(org.xml.sax.Locator)](http://docs.google.com/org/xml/sax/ContentHandler.html#setDocumentLocator(org.xml.sax.Locator))

### startDocument

public void **startDocument**()  
 throws [SAXException](http://docs.google.com/org/xml/sax/SAXException.html)

Adapter implementation method; do not call. Adapt a SAX1 start document event.

**Specified by:**[startDocument](http://docs.google.com/org/xml/sax/DocumentHandler.html#startDocument()) in interface [DocumentHandler](http://docs.google.com/org/xml/sax/DocumentHandler.html) **Throws:** [SAXException](http://docs.google.com/org/xml/sax/SAXException.html) - The client may raise a processing exception.**See Also:**[DocumentHandler.startDocument()](http://docs.google.com/org/xml/sax/DocumentHandler.html#startDocument())

### endDocument

public void **endDocument**()  
 throws [SAXException](http://docs.google.com/org/xml/sax/SAXException.html)

Adapter implementation method; do not call. Adapt a SAX1 end document event.

**Specified by:**[endDocument](http://docs.google.com/org/xml/sax/DocumentHandler.html#endDocument()) in interface [DocumentHandler](http://docs.google.com/org/xml/sax/DocumentHandler.html) **Throws:** [SAXException](http://docs.google.com/org/xml/sax/SAXException.html) - The client may raise a processing exception.**See Also:**[DocumentHandler.endDocument()](http://docs.google.com/org/xml/sax/DocumentHandler.html#endDocument())

### startElement

public void **startElement**([String](http://docs.google.com/java/lang/String.html) qName,  
 [AttributeList](http://docs.google.com/org/xml/sax/AttributeList.html) qAtts)  
 throws [SAXException](http://docs.google.com/org/xml/sax/SAXException.html)

Adapter implementation method; do not call. Adapt a SAX1 startElement event.

If necessary, perform Namespace processing.

**Specified by:**[startElement](http://docs.google.com/org/xml/sax/DocumentHandler.html#startElement(java.lang.String,%20org.xml.sax.AttributeList)) in interface [DocumentHandler](http://docs.google.com/org/xml/sax/DocumentHandler.html) **Parameters:**qName - The qualified (prefixed) name.qAtts - The XML attribute list (with qnames). **Throws:** [SAXException](http://docs.google.com/org/xml/sax/SAXException.html) - The client may raise a processing exception.**See Also:**[DocumentHandler.endElement(java.lang.String)](http://docs.google.com/org/xml/sax/DocumentHandler.html#endElement(java.lang.String)), [AttributeList](http://docs.google.com/org/xml/sax/AttributeList.html)

### endElement

public void **endElement**([String](http://docs.google.com/java/lang/String.html) qName)  
 throws [SAXException](http://docs.google.com/org/xml/sax/SAXException.html)

Adapter implementation method; do not call. Adapt a SAX1 end element event.

**Specified by:**[endElement](http://docs.google.com/org/xml/sax/DocumentHandler.html#endElement(java.lang.String)) in interface [DocumentHandler](http://docs.google.com/org/xml/sax/DocumentHandler.html) **Parameters:**qName - The qualified (prefixed) name. **Throws:** [SAXException](http://docs.google.com/org/xml/sax/SAXException.html) - The client may raise a processing exception.**See Also:**[DocumentHandler.endElement(java.lang.String)](http://docs.google.com/org/xml/sax/DocumentHandler.html#endElement(java.lang.String))

### characters

public void **characters**(char[] ch,  
 int start,  
 int length)  
 throws [SAXException](http://docs.google.com/org/xml/sax/SAXException.html)

Adapter implementation method; do not call. Adapt a SAX1 characters event.

**Specified by:**[characters](http://docs.google.com/org/xml/sax/DocumentHandler.html#characters(char%5B%5D,%20int,%20int)) in interface [DocumentHandler](http://docs.google.com/org/xml/sax/DocumentHandler.html) **Parameters:**ch - An array of characters.start - The starting position in the array.length - The number of characters to use. **Throws:** [SAXException](http://docs.google.com/org/xml/sax/SAXException.html) - The client may raise a processing exception.**See Also:**[DocumentHandler.characters(char[], int, int)](http://docs.google.com/org/xml/sax/DocumentHandler.html#characters(char%5B%5D,%20int,%20int))

### ignorableWhitespace

public void **ignorableWhitespace**(char[] ch,  
 int start,  
 int length)  
 throws [SAXException](http://docs.google.com/org/xml/sax/SAXException.html)

Adapter implementation method; do not call. Adapt a SAX1 ignorable whitespace event.

**Specified by:**[ignorableWhitespace](http://docs.google.com/org/xml/sax/DocumentHandler.html#ignorableWhitespace(char%5B%5D,%20int,%20int)) in interface [DocumentHandler](http://docs.google.com/org/xml/sax/DocumentHandler.html) **Parameters:**ch - An array of characters.start - The starting position in the array.length - The number of characters to use. **Throws:** [SAXException](http://docs.google.com/org/xml/sax/SAXException.html) - The client may raise a processing exception.**See Also:**[DocumentHandler.ignorableWhitespace(char[], int, int)](http://docs.google.com/org/xml/sax/DocumentHandler.html#ignorableWhitespace(char%5B%5D,%20int,%20int))

### processingInstruction

public void **processingInstruction**([String](http://docs.google.com/java/lang/String.html) target,  
 [String](http://docs.google.com/java/lang/String.html) data)  
 throws [SAXException](http://docs.google.com/org/xml/sax/SAXException.html)

Adapter implementation method; do not call. Adapt a SAX1 processing instruction event.

**Specified by:**[processingInstruction](http://docs.google.com/org/xml/sax/DocumentHandler.html#processingInstruction(java.lang.String,%20java.lang.String)) in interface [DocumentHandler](http://docs.google.com/org/xml/sax/DocumentHandler.html) **Parameters:**target - The processing instruction target.data - The remainder of the processing instruction **Throws:** [SAXException](http://docs.google.com/org/xml/sax/SAXException.html) - The client may raise a processing exception.**See Also:**[DocumentHandler.processingInstruction(java.lang.String, java.lang.String)](http://docs.google.com/org/xml/sax/DocumentHandler.html#processingInstruction(java.lang.String,%20java.lang.String))

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ParserAdapter.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/org/xml/sax/helpers/NamespaceSupport.html)   [**NEXT CLASS**](http://docs.google.com/org/xml/sax/helpers/ParserFactory.html) | [**FRAMES**](http://docs.google.com/index.html?org/xml/sax/helpers/ParserAdapter.html)    [**NO FRAMES**](http://docs.google.com/ParserAdapter.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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