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

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

**All Implemented Interfaces:** [ContentHandler](http://docs.google.com/org/xml/sax/ContentHandler.html), [DTDHandler](http://docs.google.com/org/xml/sax/DTDHandler.html), [EntityResolver](http://docs.google.com/org/xml/sax/EntityResolver.html), [ErrorHandler](http://docs.google.com/org/xml/sax/ErrorHandler.html), [XMLFilter](http://docs.google.com/org/xml/sax/XMLFilter.html), [XMLReader](http://docs.google.com/org/xml/sax/XMLReader.html)

public class **XMLFilterImpl**extends [Object](http://docs.google.com/java/lang/Object.html)implements [XMLFilter](http://docs.google.com/org/xml/sax/XMLFilter.html), [EntityResolver](http://docs.google.com/org/xml/sax/EntityResolver.html), [DTDHandler](http://docs.google.com/org/xml/sax/DTDHandler.html), [ContentHandler](http://docs.google.com/org/xml/sax/ContentHandler.html), [ErrorHandler](http://docs.google.com/org/xml/sax/ErrorHandler.html)

Base class for deriving an XML filter.

*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 is designed to sit between an [XMLReader](http://docs.google.com/org/xml/sax/XMLReader.html) and the client application's event handlers. By default, it does nothing but pass requests up to the reader and events on to the handlers unmodified, but subclasses can override specific methods to modify the event stream or the configuration requests as they pass through.

**Since:** SAX 2.0 **See Also:**[XMLFilter](http://docs.google.com/org/xml/sax/XMLFilter.html), [XMLReader](http://docs.google.com/org/xml/sax/XMLReader.html), [EntityResolver](http://docs.google.com/org/xml/sax/EntityResolver.html), [DTDHandler](http://docs.google.com/org/xml/sax/DTDHandler.html), [ContentHandler](http://docs.google.com/org/xml/sax/ContentHandler.html), [ErrorHandler](http://docs.google.com/org/xml/sax/ErrorHandler.html)

| **Constructor Summary** | |
| --- | --- |
| [**XMLFilterImpl**](http://docs.google.com/org/xml/sax/helpers/XMLFilterImpl.html#XMLFilterImpl())()            Construct an empty XML filter, with no parent. |
| [**XMLFilterImpl**](http://docs.google.com/org/xml/sax/helpers/XMLFilterImpl.html#XMLFilterImpl(org.xml.sax.XMLReader))([XMLReader](http://docs.google.com/org/xml/sax/XMLReader.html) parent)            Construct an XML filter with the specified parent. |

| **Method Summary** | |
| --- | --- |
| void | [**characters**](http://docs.google.com/org/xml/sax/helpers/XMLFilterImpl.html#characters(char%5B%5D,%20int,%20int))(char[] ch, int start, int length)            Filter a character data event. |
| void | [**endDocument**](http://docs.google.com/org/xml/sax/helpers/XMLFilterImpl.html#endDocument())()            Filter an end document event. |
| void | [**endElement**](http://docs.google.com/org/xml/sax/helpers/XMLFilterImpl.html#endElement(java.lang.String,%20java.lang.String,%20java.lang.String))([String](http://docs.google.com/java/lang/String.html) uri, [String](http://docs.google.com/java/lang/String.html) localName, [String](http://docs.google.com/java/lang/String.html) qName)            Filter an end element event. |
| void | [**endPrefixMapping**](http://docs.google.com/org/xml/sax/helpers/XMLFilterImpl.html#endPrefixMapping(java.lang.String))([String](http://docs.google.com/java/lang/String.html) prefix)            Filter an end Namespace prefix mapping event. |
| void | [**error**](http://docs.google.com/org/xml/sax/helpers/XMLFilterImpl.html#error(org.xml.sax.SAXParseException))([SAXParseException](http://docs.google.com/org/xml/sax/SAXParseException.html) e)            Filter an error event. |
| void | [**fatalError**](http://docs.google.com/org/xml/sax/helpers/XMLFilterImpl.html#fatalError(org.xml.sax.SAXParseException))([SAXParseException](http://docs.google.com/org/xml/sax/SAXParseException.html) e)            Filter a fatal error event. |
| [ContentHandler](http://docs.google.com/org/xml/sax/ContentHandler.html) | [**getContentHandler**](http://docs.google.com/org/xml/sax/helpers/XMLFilterImpl.html#getContentHandler())()            Get the content event handler. |
| [DTDHandler](http://docs.google.com/org/xml/sax/DTDHandler.html) | [**getDTDHandler**](http://docs.google.com/org/xml/sax/helpers/XMLFilterImpl.html#getDTDHandler())()            Get the current DTD event handler. |
| [EntityResolver](http://docs.google.com/org/xml/sax/EntityResolver.html) | [**getEntityResolver**](http://docs.google.com/org/xml/sax/helpers/XMLFilterImpl.html#getEntityResolver())()            Get the current entity resolver. |
| [ErrorHandler](http://docs.google.com/org/xml/sax/ErrorHandler.html) | [**getErrorHandler**](http://docs.google.com/org/xml/sax/helpers/XMLFilterImpl.html#getErrorHandler())()            Get the current error event handler. |
| boolean | [**getFeature**](http://docs.google.com/org/xml/sax/helpers/XMLFilterImpl.html#getFeature(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Look up the value of a feature. |
| [XMLReader](http://docs.google.com/org/xml/sax/XMLReader.html) | [**getParent**](http://docs.google.com/org/xml/sax/helpers/XMLFilterImpl.html#getParent())()            Get the parent reader. |
| [Object](http://docs.google.com/java/lang/Object.html) | [**getProperty**](http://docs.google.com/org/xml/sax/helpers/XMLFilterImpl.html#getProperty(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Look up the value of a property. |
| void | [**ignorableWhitespace**](http://docs.google.com/org/xml/sax/helpers/XMLFilterImpl.html#ignorableWhitespace(char%5B%5D,%20int,%20int))(char[] ch, int start, int length)            Filter an ignorable whitespace event. |
| void | [**notationDecl**](http://docs.google.com/org/xml/sax/helpers/XMLFilterImpl.html#notationDecl(java.lang.String,%20java.lang.String,%20java.lang.String))([String](http://docs.google.com/java/lang/String.html) name, [String](http://docs.google.com/java/lang/String.html) publicId, [String](http://docs.google.com/java/lang/String.html) systemId)            Filter a notation declaration event. |
| void | [**parse**](http://docs.google.com/org/xml/sax/helpers/XMLFilterImpl.html#parse(org.xml.sax.InputSource))([InputSource](http://docs.google.com/org/xml/sax/InputSource.html) input)            Parse a document. |
| void | [**parse**](http://docs.google.com/org/xml/sax/helpers/XMLFilterImpl.html#parse(java.lang.String))([String](http://docs.google.com/java/lang/String.html) systemId)            Parse a document. |
| void | [**processingInstruction**](http://docs.google.com/org/xml/sax/helpers/XMLFilterImpl.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)            Filter a processing instruction event. |
| [InputSource](http://docs.google.com/org/xml/sax/InputSource.html) | [**resolveEntity**](http://docs.google.com/org/xml/sax/helpers/XMLFilterImpl.html#resolveEntity(java.lang.String,%20java.lang.String))([String](http://docs.google.com/java/lang/String.html) publicId, [String](http://docs.google.com/java/lang/String.html) systemId)            Filter an external entity resolution. |
| void | [**setContentHandler**](http://docs.google.com/org/xml/sax/helpers/XMLFilterImpl.html#setContentHandler(org.xml.sax.ContentHandler))([ContentHandler](http://docs.google.com/org/xml/sax/ContentHandler.html) handler)            Set the content event handler. |
| void | [**setDocumentLocator**](http://docs.google.com/org/xml/sax/helpers/XMLFilterImpl.html#setDocumentLocator(org.xml.sax.Locator))([Locator](http://docs.google.com/org/xml/sax/Locator.html) locator)            Filter a new document locator event. |
| void | [**setDTDHandler**](http://docs.google.com/org/xml/sax/helpers/XMLFilterImpl.html#setDTDHandler(org.xml.sax.DTDHandler))([DTDHandler](http://docs.google.com/org/xml/sax/DTDHandler.html) handler)            Set the DTD event handler. |
| void | [**setEntityResolver**](http://docs.google.com/org/xml/sax/helpers/XMLFilterImpl.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/XMLFilterImpl.html#setErrorHandler(org.xml.sax.ErrorHandler))([ErrorHandler](http://docs.google.com/org/xml/sax/ErrorHandler.html) handler)            Set the error event handler. |
| void | [**setFeature**](http://docs.google.com/org/xml/sax/helpers/XMLFilterImpl.html#setFeature(java.lang.String,%20boolean))([String](http://docs.google.com/java/lang/String.html) name, boolean value)            Set the value of a feature. |
| void | [**setParent**](http://docs.google.com/org/xml/sax/helpers/XMLFilterImpl.html#setParent(org.xml.sax.XMLReader))([XMLReader](http://docs.google.com/org/xml/sax/XMLReader.html) parent)            Set the parent reader. |
| void | [**setProperty**](http://docs.google.com/org/xml/sax/helpers/XMLFilterImpl.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 the value of a property. |
| void | [**skippedEntity**](http://docs.google.com/org/xml/sax/helpers/XMLFilterImpl.html#skippedEntity(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Filter a skipped entity event. |
| void | [**startDocument**](http://docs.google.com/org/xml/sax/helpers/XMLFilterImpl.html#startDocument())()            Filter a start document event. |
| void | [**startElement**](http://docs.google.com/org/xml/sax/helpers/XMLFilterImpl.html#startElement(java.lang.String,%20java.lang.String,%20java.lang.String,%20org.xml.sax.Attributes))([String](http://docs.google.com/java/lang/String.html) uri, [String](http://docs.google.com/java/lang/String.html) localName, [String](http://docs.google.com/java/lang/String.html) qName, [Attributes](http://docs.google.com/org/xml/sax/Attributes.html) atts)            Filter a start element event. |
| void | [**startPrefixMapping**](http://docs.google.com/org/xml/sax/helpers/XMLFilterImpl.html#startPrefixMapping(java.lang.String,%20java.lang.String))([String](http://docs.google.com/java/lang/String.html) prefix, [String](http://docs.google.com/java/lang/String.html) uri)            Filter a start Namespace prefix mapping event. |
| void | [**unparsedEntityDecl**](http://docs.google.com/org/xml/sax/helpers/XMLFilterImpl.html#unparsedEntityDecl(java.lang.String,%20java.lang.String,%20java.lang.String,%20java.lang.String))([String](http://docs.google.com/java/lang/String.html) name, [String](http://docs.google.com/java/lang/String.html) publicId, [String](http://docs.google.com/java/lang/String.html) systemId, [String](http://docs.google.com/java/lang/String.html) notationName)            Filter an unparsed entity declaration event. |
| void | [**warning**](http://docs.google.com/org/xml/sax/helpers/XMLFilterImpl.html#warning(org.xml.sax.SAXParseException))([SAXParseException](http://docs.google.com/org/xml/sax/SAXParseException.html) e)            Filter a warning event. |

| **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** |
| --- |

### XMLFilterImpl

public **XMLFilterImpl**()

Construct an empty XML filter, with no parent.

This filter will have no parent: you must assign a parent before you start a parse or do any configuration with setFeature or setProperty, unless you use this as a pure event consumer rather than as an [XMLReader](http://docs.google.com/org/xml/sax/XMLReader.html).

**See Also:**[XMLReader.setFeature(java.lang.String, boolean)](http://docs.google.com/org/xml/sax/XMLReader.html#setFeature(java.lang.String,%20boolean)), [XMLReader.setProperty(java.lang.String, java.lang.Object)](http://docs.google.com/org/xml/sax/XMLReader.html#setProperty(java.lang.String,%20java.lang.Object)), [setParent(org.xml.sax.XMLReader)](http://docs.google.com/org/xml/sax/helpers/XMLFilterImpl.html#setParent(org.xml.sax.XMLReader))

### XMLFilterImpl

public **XMLFilterImpl**([XMLReader](http://docs.google.com/org/xml/sax/XMLReader.html) parent)

Construct an XML filter with the specified parent.

**See Also:**[setParent(org.xml.sax.XMLReader)](http://docs.google.com/org/xml/sax/helpers/XMLFilterImpl.html#setParent(org.xml.sax.XMLReader)), [getParent()](http://docs.google.com/org/xml/sax/helpers/XMLFilterImpl.html#getParent())

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

### setParent

public void **setParent**([XMLReader](http://docs.google.com/org/xml/sax/XMLReader.html) parent)

Set the parent reader.

This is the [XMLReader](http://docs.google.com/org/xml/sax/XMLReader.html) from which this filter will obtain its events and to which it will pass its configuration requests. The parent may itself be another filter.

If there is no parent reader set, any attempt to parse or to set or get a feature or property will fail.

**Specified by:**[setParent](http://docs.google.com/org/xml/sax/XMLFilter.html#setParent(org.xml.sax.XMLReader)) in interface [XMLFilter](http://docs.google.com/org/xml/sax/XMLFilter.html) **Parameters:**parent - The parent XML reader.**See Also:**[getParent()](http://docs.google.com/org/xml/sax/helpers/XMLFilterImpl.html#getParent())

### getParent

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

Get the parent reader.

**Specified by:**[getParent](http://docs.google.com/org/xml/sax/XMLFilter.html#getParent()) in interface [XMLFilter](http://docs.google.com/org/xml/sax/XMLFilter.html) **Returns:**The parent XML reader, or null if none is set.**See Also:**[setParent(org.xml.sax.XMLReader)](http://docs.google.com/org/xml/sax/helpers/XMLFilterImpl.html#setParent(org.xml.sax.XMLReader))

### 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 the value of a feature.

This will always fail if the parent is null.

**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.value - The requested feature value. **Throws:** [SAXNotRecognizedException](http://docs.google.com/org/xml/sax/SAXNotRecognizedException.html) - If the feature value can't be assigned or retrieved from the parent. [SAXNotSupportedException](http://docs.google.com/org/xml/sax/SAXNotSupportedException.html) - When the parent recognizes the feature name but cannot set the requested value.**See Also:**[XMLReader.getFeature(java.lang.String)](http://docs.google.com/org/xml/sax/XMLReader.html#getFeature(java.lang.String))

### 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)

Look up the value of a feature.

This will always fail if the parent is null.

**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. **Returns:**The current value of the feature. **Throws:** [SAXNotRecognizedException](http://docs.google.com/org/xml/sax/SAXNotRecognizedException.html) - If the feature value can't be assigned or retrieved from the parent. [SAXNotSupportedException](http://docs.google.com/org/xml/sax/SAXNotSupportedException.html) - When the parent recognizes the feature name but cannot determine its value at this time.**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 the value of a property.

This will always fail if the parent is null.

**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 requested property value. **Throws:** [SAXNotRecognizedException](http://docs.google.com/org/xml/sax/SAXNotRecognizedException.html) - If the property value can't be assigned or retrieved from the parent. [SAXNotSupportedException](http://docs.google.com/org/xml/sax/SAXNotSupportedException.html) - When the parent recognizes the property name but cannot set the requested value.

### 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)

Look up the value of a property.

**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 current value of the property. **Throws:** [SAXNotRecognizedException](http://docs.google.com/org/xml/sax/SAXNotRecognizedException.html) - If the property value can't be assigned or retrieved from the parent. [SAXNotSupportedException](http://docs.google.com/org/xml/sax/SAXNotSupportedException.html) - When the parent recognizes the property name but cannot determine its value at this time.**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))

### 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.getEntityResolver()](http://docs.google.com/org/xml/sax/XMLReader.html#getEntityResolver())

### getEntityResolver

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

Get 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 set.**See Also:**[XMLReader.setEntityResolver(org.xml.sax.EntityResolver)](http://docs.google.com/org/xml/sax/XMLReader.html#setEntityResolver(org.xml.sax.EntityResolver))

### setDTDHandler

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

Set the DTD event 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.getDTDHandler()](http://docs.google.com/org/xml/sax/XMLReader.html#getDTDHandler())

### getDTDHandler

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

Get the current DTD event 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 set.**See Also:**[XMLReader.setDTDHandler(org.xml.sax.DTDHandler)](http://docs.google.com/org/xml/sax/XMLReader.html#setDTDHandler(org.xml.sax.DTDHandler))

### setContentHandler

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

Set the content event 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.getContentHandler()](http://docs.google.com/org/xml/sax/XMLReader.html#getContentHandler())

### getContentHandler

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

Get the content event 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 set.**See Also:**[XMLReader.setContentHandler(org.xml.sax.ContentHandler)](http://docs.google.com/org/xml/sax/XMLReader.html#setContentHandler(org.xml.sax.ContentHandler))

### setErrorHandler

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

Set the error event 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.getErrorHandler()](http://docs.google.com/org/xml/sax/XMLReader.html#getErrorHandler())

### getErrorHandler

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

Get the current error event 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 set.**See Also:**[XMLReader.setErrorHandler(org.xml.sax.ErrorHandler)](http://docs.google.com/org/xml/sax/XMLReader.html#setErrorHandler(org.xml.sax.ErrorHandler))

### parse

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

Parse a 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 - The input source for the document entity. **Throws:** [SAXException](http://docs.google.com/org/xml/sax/SAXException.html) - Any SAX exception, possibly wrapping another exception. [IOException](http://docs.google.com/java/io/IOException.html) - An IO exception from the parser, possibly from a byte stream or character stream supplied by the application.**See Also:**[InputSource](http://docs.google.com/org/xml/sax/InputSource.html), [XMLReader.parse(java.lang.String)](http://docs.google.com/org/xml/sax/XMLReader.html#parse(java.lang.String)), [XMLReader.setEntityResolver(org.xml.sax.EntityResolver)](http://docs.google.com/org/xml/sax/XMLReader.html#setEntityResolver(org.xml.sax.EntityResolver)), [XMLReader.setDTDHandler(org.xml.sax.DTDHandler)](http://docs.google.com/org/xml/sax/XMLReader.html#setDTDHandler(org.xml.sax.DTDHandler)), [XMLReader.setContentHandler(org.xml.sax.ContentHandler)](http://docs.google.com/org/xml/sax/XMLReader.html#setContentHandler(org.xml.sax.ContentHandler)), [XMLReader.setErrorHandler(org.xml.sax.ErrorHandler)](http://docs.google.com/org/xml/sax/XMLReader.html#setErrorHandler(org.xml.sax.ErrorHandler))

### parse

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

Parse a 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 system identifier as a fully-qualified URI. **Throws:** [SAXException](http://docs.google.com/org/xml/sax/SAXException.html) - Any SAX exception, possibly wrapping another exception. [IOException](http://docs.google.com/java/io/IOException.html) - An IO exception from the parser, possibly from a byte stream or character stream supplied by the application.**See Also:**[XMLReader.parse(org.xml.sax.InputSource)](http://docs.google.com/org/xml/sax/XMLReader.html#parse(org.xml.sax.InputSource))

### resolveEntity

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

Filter an external entity resolution.

**Specified by:**[resolveEntity](http://docs.google.com/org/xml/sax/EntityResolver.html#resolveEntity(java.lang.String,%20java.lang.String)) in interface [EntityResolver](http://docs.google.com/org/xml/sax/EntityResolver.html) **Parameters:**publicId - The entity's public identifier, or null.systemId - The entity's system identifier. **Returns:**A new InputSource or null for the default. **Throws:** [SAXException](http://docs.google.com/org/xml/sax/SAXException.html) - The client may throw an exception during processing. [IOException](http://docs.google.com/java/io/IOException.html) - The client may throw an I/O-related exception while obtaining the new InputSource.**See Also:**[InputSource](http://docs.google.com/org/xml/sax/InputSource.html)

### notationDecl

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

Filter a notation declaration event.

**Specified by:**[notationDecl](http://docs.google.com/org/xml/sax/DTDHandler.html#notationDecl(java.lang.String,%20java.lang.String,%20java.lang.String)) in interface [DTDHandler](http://docs.google.com/org/xml/sax/DTDHandler.html) **Parameters:**name - The notation name.publicId - The notation's public identifier, or null.systemId - The notation's system identifier, or null. **Throws:** [SAXException](http://docs.google.com/org/xml/sax/SAXException.html) - The client may throw an exception during processing.**See Also:**[DTDHandler.unparsedEntityDecl(java.lang.String, java.lang.String, java.lang.String, java.lang.String)](http://docs.google.com/org/xml/sax/DTDHandler.html#unparsedEntityDecl(java.lang.String,%20java.lang.String,%20java.lang.String,%20java.lang.String)), [Attributes](http://docs.google.com/org/xml/sax/Attributes.html)

### unparsedEntityDecl

public void **unparsedEntityDecl**([String](http://docs.google.com/java/lang/String.html) name,  
 [String](http://docs.google.com/java/lang/String.html) publicId,  
 [String](http://docs.google.com/java/lang/String.html) systemId,  
 [String](http://docs.google.com/java/lang/String.html) notationName)  
 throws [SAXException](http://docs.google.com/org/xml/sax/SAXException.html)

Filter an unparsed entity declaration event.

**Specified by:**[unparsedEntityDecl](http://docs.google.com/org/xml/sax/DTDHandler.html#unparsedEntityDecl(java.lang.String,%20java.lang.String,%20java.lang.String,%20java.lang.String)) in interface [DTDHandler](http://docs.google.com/org/xml/sax/DTDHandler.html) **Parameters:**name - The entity name.publicId - The entity's public identifier, or null.systemId - The entity's system identifier, or null.notationName - The name of the associated notation. **Throws:** [SAXException](http://docs.google.com/org/xml/sax/SAXException.html) - The client may throw an exception during processing.**See Also:**[DTDHandler.notationDecl(java.lang.String, java.lang.String, java.lang.String)](http://docs.google.com/org/xml/sax/DTDHandler.html#notationDecl(java.lang.String,%20java.lang.String,%20java.lang.String)), [Attributes](http://docs.google.com/org/xml/sax/Attributes.html)

### setDocumentLocator

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

Filter a new document locator event.

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

### startDocument

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

Filter a start document event.

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

### endDocument

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

Filter an end document event.

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

### startPrefixMapping

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

Filter a start Namespace prefix mapping event.

**Specified by:**[startPrefixMapping](http://docs.google.com/org/xml/sax/ContentHandler.html#startPrefixMapping(java.lang.String,%20java.lang.String)) in interface [ContentHandler](http://docs.google.com/org/xml/sax/ContentHandler.html) **Parameters:**prefix - The Namespace prefix.uri - The Namespace URI. **Throws:** [SAXException](http://docs.google.com/org/xml/sax/SAXException.html) - The client may throw an exception during processing.**See Also:**[ContentHandler.endPrefixMapping(java.lang.String)](http://docs.google.com/org/xml/sax/ContentHandler.html#endPrefixMapping(java.lang.String)), [ContentHandler.startElement(java.lang.String, java.lang.String, java.lang.String, org.xml.sax.Attributes)](http://docs.google.com/org/xml/sax/ContentHandler.html#startElement(java.lang.String,%20java.lang.String,%20java.lang.String,%20org.xml.sax.Attributes))

### endPrefixMapping

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

Filter an end Namespace prefix mapping event.

**Specified by:**[endPrefixMapping](http://docs.google.com/org/xml/sax/ContentHandler.html#endPrefixMapping(java.lang.String)) in interface [ContentHandler](http://docs.google.com/org/xml/sax/ContentHandler.html) **Parameters:**prefix - The Namespace prefix. **Throws:** [SAXException](http://docs.google.com/org/xml/sax/SAXException.html) - The client may throw an exception during processing.**See Also:**[ContentHandler.startPrefixMapping(java.lang.String, java.lang.String)](http://docs.google.com/org/xml/sax/ContentHandler.html#startPrefixMapping(java.lang.String,%20java.lang.String)), [ContentHandler.endElement(java.lang.String, java.lang.String, java.lang.String)](http://docs.google.com/org/xml/sax/ContentHandler.html#endElement(java.lang.String,%20java.lang.String,%20java.lang.String))

### startElement

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

Filter a start element event.

**Specified by:**[startElement](http://docs.google.com/org/xml/sax/ContentHandler.html#startElement(java.lang.String,%20java.lang.String,%20java.lang.String,%20org.xml.sax.Attributes)) in interface [ContentHandler](http://docs.google.com/org/xml/sax/ContentHandler.html) **Parameters:**uri - The element's Namespace URI, or the empty string.localName - The element's local name, or the empty string.qName - The element's qualified (prefixed) name, or the empty string.atts - The element's attributes. **Throws:** [SAXException](http://docs.google.com/org/xml/sax/SAXException.html) - The client may throw an exception during processing.**See Also:**[ContentHandler.endElement(java.lang.String, java.lang.String, java.lang.String)](http://docs.google.com/org/xml/sax/ContentHandler.html#endElement(java.lang.String,%20java.lang.String,%20java.lang.String)), [Attributes](http://docs.google.com/org/xml/sax/Attributes.html), [AttributesImpl](http://docs.google.com/org/xml/sax/helpers/AttributesImpl.html)

### endElement

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

Filter an end element event.

**Specified by:**[endElement](http://docs.google.com/org/xml/sax/ContentHandler.html#endElement(java.lang.String,%20java.lang.String,%20java.lang.String)) in interface [ContentHandler](http://docs.google.com/org/xml/sax/ContentHandler.html) **Parameters:**uri - The element's Namespace URI, or the empty string.localName - The element's local name, or the empty string.qName - The element's qualified (prefixed) name, or the empty string. **Throws:** [SAXException](http://docs.google.com/org/xml/sax/SAXException.html) - The client may throw an exception during processing.

### characters

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

Filter a character data event.

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

### ignorableWhitespace

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

Filter an ignorable whitespace event.

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

Filter a processing instruction event.

**Specified by:**[processingInstruction](http://docs.google.com/org/xml/sax/ContentHandler.html#processingInstruction(java.lang.String,%20java.lang.String)) in interface [ContentHandler](http://docs.google.com/org/xml/sax/ContentHandler.html) **Parameters:**target - The processing instruction target.data - The text following the target. **Throws:** [SAXException](http://docs.google.com/org/xml/sax/SAXException.html) - The client may throw an exception during processing.

### skippedEntity

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

Filter a skipped entity event.

**Specified by:**[skippedEntity](http://docs.google.com/org/xml/sax/ContentHandler.html#skippedEntity(java.lang.String)) in interface [ContentHandler](http://docs.google.com/org/xml/sax/ContentHandler.html) **Parameters:**name - The name of the skipped entity. **Throws:** [SAXException](http://docs.google.com/org/xml/sax/SAXException.html) - The client may throw an exception during processing.

### warning

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

Filter a warning event.

**Specified by:**[warning](http://docs.google.com/org/xml/sax/ErrorHandler.html#warning(org.xml.sax.SAXParseException)) in interface [ErrorHandler](http://docs.google.com/org/xml/sax/ErrorHandler.html) **Parameters:**e - The warning as an exception. **Throws:** [SAXException](http://docs.google.com/org/xml/sax/SAXException.html) - The client may throw an exception during processing.**See Also:**[SAXParseException](http://docs.google.com/org/xml/sax/SAXParseException.html)

### error

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

Filter an error event.

**Specified by:**[error](http://docs.google.com/org/xml/sax/ErrorHandler.html#error(org.xml.sax.SAXParseException)) in interface [ErrorHandler](http://docs.google.com/org/xml/sax/ErrorHandler.html) **Parameters:**e - The error as an exception. **Throws:** [SAXException](http://docs.google.com/org/xml/sax/SAXException.html) - The client may throw an exception during processing.**See Also:**[SAXParseException](http://docs.google.com/org/xml/sax/SAXParseException.html)

### fatalError

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

Filter a fatal error event.

**Specified by:**[fatalError](http://docs.google.com/org/xml/sax/ErrorHandler.html#fatalError(org.xml.sax.SAXParseException)) in interface [ErrorHandler](http://docs.google.com/org/xml/sax/ErrorHandler.html) **Parameters:**e - The error as an exception. **Throws:** [SAXException](http://docs.google.com/org/xml/sax/SAXException.html) - The client may throw an exception during processing.**See Also:**[SAXParseException](http://docs.google.com/org/xml/sax/SAXParseException.html)

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

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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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