| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SAXTransformerFactory.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/javax/xml/transform/sax/SAXSource.html)   [**NEXT CLASS**](http://docs.google.com/javax/xml/transform/sax/TemplatesHandler.html) | [**FRAMES**](http://docs.google.com/index.html?javax/xml/transform/sax/SAXTransformerFactory.html)    [**NO FRAMES**](http://docs.google.com/SAXTransformerFactory.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#4d34og8) | [CONSTR](#3rdcrjn) | [METHOD](#lnxbz9) |

## **javax.xml.transform.sax**

Class SAXTransformerFactory

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [javax.xml.transform.TransformerFactory](http://docs.google.com/javax/xml/transform/TransformerFactory.html)  
 **javax.xml.transform.sax.SAXTransformerFactory**

public abstract class **SAXTransformerFactory**extends [TransformerFactory](http://docs.google.com/javax/xml/transform/TransformerFactory.html)

This class extends TransformerFactory to provide SAX-specific factory methods. It provides two types of ContentHandlers, one for creating Transformers, the other for creating Templates objects.

If an application wants to set the ErrorHandler or EntityResolver for an XMLReader used during a transformation, it should use a URIResolver to return the SAXSource which provides (with getXMLReader) a reference to the XMLReader.

| **Field Summary** | |
| --- | --- |
| static [String](http://docs.google.com/java/lang/String.html) | [**FEATURE**](http://docs.google.com/javax/xml/transform/sax/SAXTransformerFactory.html#FEATURE)            If [TransformerFactory.getFeature(java.lang.String)](http://docs.google.com/javax/xml/transform/TransformerFactory.html#getFeature(java.lang.String)) returns true when passed this value as an argument, the TransformerFactory returned from [TransformerFactory.newInstance()](http://docs.google.com/javax/xml/transform/TransformerFactory.html#newInstance()) may be safely cast to a SAXTransformerFactory. |
| static [String](http://docs.google.com/java/lang/String.html) | [**FEATURE\_XMLFILTER**](http://docs.google.com/javax/xml/transform/sax/SAXTransformerFactory.html#FEATURE_XMLFILTER)            If [TransformerFactory.getFeature(java.lang.String)](http://docs.google.com/javax/xml/transform/TransformerFactory.html#getFeature(java.lang.String)) returns true when passed this value as an argument, the [newXMLFilter(Source src)](http://docs.google.com/javax/xml/transform/sax/SAXTransformerFactory.html#newXMLFilter(javax.xml.transform.Source)) and [newXMLFilter(Templates templates)](http://docs.google.com/javax/xml/transform/sax/SAXTransformerFactory.html#newXMLFilter(javax.xml.transform.Templates)) methods are supported. |

| **Constructor Summary** | |
| --- | --- |
| protected | [**SAXTransformerFactory**](http://docs.google.com/javax/xml/transform/sax/SAXTransformerFactory.html#SAXTransformerFactory())()            The default constructor is protected on purpose. |

| **Method Summary** | |
| --- | --- |
| abstract  [TemplatesHandler](http://docs.google.com/javax/xml/transform/sax/TemplatesHandler.html) | [**newTemplatesHandler**](http://docs.google.com/javax/xml/transform/sax/SAXTransformerFactory.html#newTemplatesHandler())()            Get a TemplatesHandler object that can process SAX ContentHandler events into a Templates object. |
| abstract  [TransformerHandler](http://docs.google.com/javax/xml/transform/sax/TransformerHandler.html) | [**newTransformerHandler**](http://docs.google.com/javax/xml/transform/sax/SAXTransformerFactory.html#newTransformerHandler())()            Get a TransformerHandler object that can process SAX ContentHandler events into a Result. |
| abstract  [TransformerHandler](http://docs.google.com/javax/xml/transform/sax/TransformerHandler.html) | [**newTransformerHandler**](http://docs.google.com/javax/xml/transform/sax/SAXTransformerFactory.html#newTransformerHandler(javax.xml.transform.Source))([Source](http://docs.google.com/javax/xml/transform/Source.html) src)            Get a TransformerHandler object that can process SAX ContentHandler events into a Result, based on the transformation instructions specified by the argument. |
| abstract  [TransformerHandler](http://docs.google.com/javax/xml/transform/sax/TransformerHandler.html) | [**newTransformerHandler**](http://docs.google.com/javax/xml/transform/sax/SAXTransformerFactory.html#newTransformerHandler(javax.xml.transform.Templates))([Templates](http://docs.google.com/javax/xml/transform/Templates.html) templates)            Get a TransformerHandler object that can process SAX ContentHandler events into a Result, based on the Templates argument. |
| abstract  [XMLFilter](http://docs.google.com/org/xml/sax/XMLFilter.html) | [**newXMLFilter**](http://docs.google.com/javax/xml/transform/sax/SAXTransformerFactory.html#newXMLFilter(javax.xml.transform.Source))([Source](http://docs.google.com/javax/xml/transform/Source.html) src)            Create an XMLFilter that uses the given Source as the transformation instructions. |
| abstract  [XMLFilter](http://docs.google.com/org/xml/sax/XMLFilter.html) | [**newXMLFilter**](http://docs.google.com/javax/xml/transform/sax/SAXTransformerFactory.html#newXMLFilter(javax.xml.transform.Templates))([Templates](http://docs.google.com/javax/xml/transform/Templates.html) templates)            Create an XMLFilter, based on the Templates argument.. |

| **Methods inherited from class javax.xml.transform.**[**TransformerFactory**](http://docs.google.com/javax/xml/transform/TransformerFactory.html) |
| --- |
| [getAssociatedStylesheet](http://docs.google.com/javax/xml/transform/TransformerFactory.html#getAssociatedStylesheet(javax.xml.transform.Source,%20java.lang.String,%20java.lang.String,%20java.lang.String)), [getAttribute](http://docs.google.com/javax/xml/transform/TransformerFactory.html#getAttribute(java.lang.String)), [getErrorListener](http://docs.google.com/javax/xml/transform/TransformerFactory.html#getErrorListener()), [getFeature](http://docs.google.com/javax/xml/transform/TransformerFactory.html#getFeature(java.lang.String)), [getURIResolver](http://docs.google.com/javax/xml/transform/TransformerFactory.html#getURIResolver()), [newInstance](http://docs.google.com/javax/xml/transform/TransformerFactory.html#newInstance()), [newInstance](http://docs.google.com/javax/xml/transform/TransformerFactory.html#newInstance(java.lang.String,%20java.lang.ClassLoader)), [newTemplates](http://docs.google.com/javax/xml/transform/TransformerFactory.html#newTemplates(javax.xml.transform.Source)), [newTransformer](http://docs.google.com/javax/xml/transform/TransformerFactory.html#newTransformer()), [newTransformer](http://docs.google.com/javax/xml/transform/TransformerFactory.html#newTransformer(javax.xml.transform.Source)), [setAttribute](http://docs.google.com/javax/xml/transform/TransformerFactory.html#setAttribute(java.lang.String,%20java.lang.Object)), [setErrorListener](http://docs.google.com/javax/xml/transform/TransformerFactory.html#setErrorListener(javax.xml.transform.ErrorListener)), [setFeature](http://docs.google.com/javax/xml/transform/TransformerFactory.html#setFeature(java.lang.String,%20boolean)), [setURIResolver](http://docs.google.com/javax/xml/transform/TransformerFactory.html#setURIResolver(javax.xml.transform.URIResolver)) |

| **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)) |

| **Field Detail** |
| --- |

### FEATURE

public static final [String](http://docs.google.com/java/lang/String.html) **FEATURE**

If [TransformerFactory.getFeature(java.lang.String)](http://docs.google.com/javax/xml/transform/TransformerFactory.html#getFeature(java.lang.String)) returns true when passed this value as an argument, the TransformerFactory returned from [TransformerFactory.newInstance()](http://docs.google.com/javax/xml/transform/TransformerFactory.html#newInstance()) may be safely cast to a SAXTransformerFactory.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.xml.transform.sax.SAXTransformerFactory.FEATURE)

### FEATURE\_XMLFILTER

public static final [String](http://docs.google.com/java/lang/String.html) **FEATURE\_XMLFILTER**

If [TransformerFactory.getFeature(java.lang.String)](http://docs.google.com/javax/xml/transform/TransformerFactory.html#getFeature(java.lang.String)) returns true when passed this value as an argument, the [newXMLFilter(Source src)](http://docs.google.com/javax/xml/transform/sax/SAXTransformerFactory.html#newXMLFilter(javax.xml.transform.Source)) and [newXMLFilter(Templates templates)](http://docs.google.com/javax/xml/transform/sax/SAXTransformerFactory.html#newXMLFilter(javax.xml.transform.Templates)) methods are supported.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.xml.transform.sax.SAXTransformerFactory.FEATURE_XMLFILTER)

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

### SAXTransformerFactory

protected **SAXTransformerFactory**()

The default constructor is protected on purpose.

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

### newTransformerHandler

public abstract [TransformerHandler](http://docs.google.com/javax/xml/transform/sax/TransformerHandler.html) **newTransformerHandler**([Source](http://docs.google.com/javax/xml/transform/Source.html) src)  
 throws [TransformerConfigurationException](http://docs.google.com/javax/xml/transform/TransformerConfigurationException.html)

Get a TransformerHandler object that can process SAX ContentHandler events into a Result, based on the transformation instructions specified by the argument.

**Parameters:**src - The Source of the transformation instructions. **Returns:**TransformerHandler ready to transform SAX events. **Throws:** [TransformerConfigurationException](http://docs.google.com/javax/xml/transform/TransformerConfigurationException.html) - If for some reason the TransformerHandler can not be created.

### newTransformerHandler

public abstract [TransformerHandler](http://docs.google.com/javax/xml/transform/sax/TransformerHandler.html) **newTransformerHandler**([Templates](http://docs.google.com/javax/xml/transform/Templates.html) templates)  
 throws [TransformerConfigurationException](http://docs.google.com/javax/xml/transform/TransformerConfigurationException.html)

Get a TransformerHandler object that can process SAX ContentHandler events into a Result, based on the Templates argument.

**Parameters:**templates - The compiled transformation instructions. **Returns:**TransformerHandler ready to transform SAX events. **Throws:** [TransformerConfigurationException](http://docs.google.com/javax/xml/transform/TransformerConfigurationException.html) - If for some reason the TransformerHandler can not be created.

### newTransformerHandler

public abstract [TransformerHandler](http://docs.google.com/javax/xml/transform/sax/TransformerHandler.html) **newTransformerHandler**()  
 throws [TransformerConfigurationException](http://docs.google.com/javax/xml/transform/TransformerConfigurationException.html)

Get a TransformerHandler object that can process SAX ContentHandler events into a Result. The transformation is defined as an identity (or copy) transformation, for example to copy a series of SAX parse events into a DOM tree.

**Returns:**A non-null reference to a TransformerHandler, that may be used as a ContentHandler for SAX parse events. **Throws:** [TransformerConfigurationException](http://docs.google.com/javax/xml/transform/TransformerConfigurationException.html) - If for some reason the TransformerHandler cannot be created.

### newTemplatesHandler

public abstract [TemplatesHandler](http://docs.google.com/javax/xml/transform/sax/TemplatesHandler.html) **newTemplatesHandler**()  
 throws [TransformerConfigurationException](http://docs.google.com/javax/xml/transform/TransformerConfigurationException.html)

Get a TemplatesHandler object that can process SAX ContentHandler events into a Templates object.

**Returns:**A non-null reference to a TransformerHandler, that may be used as a ContentHandler for SAX parse events. **Throws:** [TransformerConfigurationException](http://docs.google.com/javax/xml/transform/TransformerConfigurationException.html) - If for some reason the TemplatesHandler cannot be created.

### newXMLFilter

public abstract [XMLFilter](http://docs.google.com/org/xml/sax/XMLFilter.html) **newXMLFilter**([Source](http://docs.google.com/javax/xml/transform/Source.html) src)  
 throws [TransformerConfigurationException](http://docs.google.com/javax/xml/transform/TransformerConfigurationException.html)

Create an XMLFilter that uses the given Source as the transformation instructions.

**Parameters:**src - The Source of the transformation instructions. **Returns:**An XMLFilter object, or null if this feature is not supported. **Throws:** [TransformerConfigurationException](http://docs.google.com/javax/xml/transform/TransformerConfigurationException.html) - If for some reason the TemplatesHandler cannot be created.

### newXMLFilter

public abstract [XMLFilter](http://docs.google.com/org/xml/sax/XMLFilter.html) **newXMLFilter**([Templates](http://docs.google.com/javax/xml/transform/Templates.html) templates)  
 throws [TransformerConfigurationException](http://docs.google.com/javax/xml/transform/TransformerConfigurationException.html)

Create an XMLFilter, based on the Templates argument..

**Parameters:**templates - The compiled transformation instructions. **Returns:**An XMLFilter object, or null if this feature is not supported. **Throws:** [TransformerConfigurationException](http://docs.google.com/javax/xml/transform/TransformerConfigurationException.html) - If for some reason the TemplatesHandler cannot be created.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SAXTransformerFactory.html) | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| [**PREV CLASS**](http://docs.google.com/javax/xml/transform/sax/SAXSource.html)   [**NEXT CLASS**](http://docs.google.com/javax/xml/transform/sax/TemplatesHandler.html) | [**FRAMES**](http://docs.google.com/index.html?javax/xml/transform/sax/SAXTransformerFactory.html)    [**NO FRAMES**](http://docs.google.com/SAXTransformerFactory.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#4d34og8) | [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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