| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/StreamSource.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/stream/StreamResult.html)   NEXT CLASS | [**FRAMES**](http://docs.google.com/index.html?javax/xml/transform/stream/StreamSource.html)    [**NO FRAMES**](http://docs.google.com/StreamSource.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#1t3h5sf) | [CONSTR](#2s8eyo1) | [METHOD](#2jxsxqh) |

## **javax.xml.transform.stream**

Class StreamSource

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **javax.xml.transform.stream.StreamSource**

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

public class **StreamSource**extends [Object](http://docs.google.com/java/lang/Object.html)implements [Source](http://docs.google.com/javax/xml/transform/Source.html)

Acts as an holder for a transformation Source in the form of a stream of XML markup.

*Note:* Due to their internal use of either a [Reader](http://docs.google.com/java/io/Reader.html) or [InputStream](http://docs.google.com/java/io/InputStream.html) instance, StreamSource instances may only be used once.

| **Field Summary** | |
| --- | --- |
| static [String](http://docs.google.com/java/lang/String.html) | [**FEATURE**](http://docs.google.com/javax/xml/transform/stream/StreamSource.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 Transformer supports Source input of this type. |

| **Constructor Summary** | |
| --- | --- |
| [**StreamSource**](http://docs.google.com/javax/xml/transform/stream/StreamSource.html#StreamSource())()            Zero-argument default constructor. |
| [**StreamSource**](http://docs.google.com/javax/xml/transform/stream/StreamSource.html#StreamSource(java.io.File))([File](http://docs.google.com/java/io/File.html) f)            Construct a StreamSource from a File. |
| [**StreamSource**](http://docs.google.com/javax/xml/transform/stream/StreamSource.html#StreamSource(java.io.InputStream))([InputStream](http://docs.google.com/java/io/InputStream.html) inputStream)            Construct a StreamSource from a byte stream. |
| [**StreamSource**](http://docs.google.com/javax/xml/transform/stream/StreamSource.html#StreamSource(java.io.InputStream,%20java.lang.String))([InputStream](http://docs.google.com/java/io/InputStream.html) inputStream, [String](http://docs.google.com/java/lang/String.html) systemId)            Construct a StreamSource from a byte stream. |
| [**StreamSource**](http://docs.google.com/javax/xml/transform/stream/StreamSource.html#StreamSource(java.io.Reader))([Reader](http://docs.google.com/java/io/Reader.html) reader)            Construct a StreamSource from a character reader. |
| [**StreamSource**](http://docs.google.com/javax/xml/transform/stream/StreamSource.html#StreamSource(java.io.Reader,%20java.lang.String))([Reader](http://docs.google.com/java/io/Reader.html) reader, [String](http://docs.google.com/java/lang/String.html) systemId)            Construct a StreamSource from a character reader. |
| [**StreamSource**](http://docs.google.com/javax/xml/transform/stream/StreamSource.html#StreamSource(java.lang.String))([String](http://docs.google.com/java/lang/String.html) systemId)            Construct a StreamSource from a URL. |

| **Method Summary** | |
| --- | --- |
| [InputStream](http://docs.google.com/java/io/InputStream.html) | [**getInputStream**](http://docs.google.com/javax/xml/transform/stream/StreamSource.html#getInputStream())()            Get the byte stream that was set with setByteStream. |
| [String](http://docs.google.com/java/lang/String.html) | [**getPublicId**](http://docs.google.com/javax/xml/transform/stream/StreamSource.html#getPublicId())()            Get the public identifier that was set with setPublicId. |
| [Reader](http://docs.google.com/java/io/Reader.html) | [**getReader**](http://docs.google.com/javax/xml/transform/stream/StreamSource.html#getReader())()            Get the character stream that was set with setReader. |
| [String](http://docs.google.com/java/lang/String.html) | [**getSystemId**](http://docs.google.com/javax/xml/transform/stream/StreamSource.html#getSystemId())()            Get the system identifier that was set with setSystemId. |
| void | [**setInputStream**](http://docs.google.com/javax/xml/transform/stream/StreamSource.html#setInputStream(java.io.InputStream))([InputStream](http://docs.google.com/java/io/InputStream.html) inputStream)            Set the byte stream to be used as input. |
| void | [**setPublicId**](http://docs.google.com/javax/xml/transform/stream/StreamSource.html#setPublicId(java.lang.String))([String](http://docs.google.com/java/lang/String.html) publicId)            Set the public identifier for this Source. |
| void | [**setReader**](http://docs.google.com/javax/xml/transform/stream/StreamSource.html#setReader(java.io.Reader))([Reader](http://docs.google.com/java/io/Reader.html) reader)            Set the input to be a character reader. |
| void | [**setSystemId**](http://docs.google.com/javax/xml/transform/stream/StreamSource.html#setSystemId(java.io.File))([File](http://docs.google.com/java/io/File.html) f)            Set the system ID from a File reference. |
| void | [**setSystemId**](http://docs.google.com/javax/xml/transform/stream/StreamSource.html#setSystemId(java.lang.String))([String](http://docs.google.com/java/lang/String.html) systemId)            Set the system identifier for this Source. |

| **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 Transformer supports Source input of this type.

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

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

### StreamSource

public **StreamSource**()

Zero-argument default constructor. If this constructor is used, and no Stream source is set using [setInputStream(java.io.InputStream inputStream)](http://docs.google.com/javax/xml/transform/stream/StreamSource.html#setInputStream(java.io.InputStream)) or [setReader(java.io.Reader reader)](http://docs.google.com/javax/xml/transform/stream/StreamSource.html#setReader(java.io.Reader)), then the Transformer will create an empty source [InputStream](http://docs.google.com/java/io/InputStream.html) using [new InputStream()](http://docs.google.com/java/io/InputStream.html#InputStream()).

**See Also:**[Transformer.transform(Source xmlSource, Result outputTarget)](http://docs.google.com/javax/xml/transform/Transformer.html#transform(javax.xml.transform.Source,%20javax.xml.transform.Result))

### StreamSource

public **StreamSource**([InputStream](http://docs.google.com/java/io/InputStream.html) inputStream)

Construct a StreamSource from a byte stream. Normally, a stream should be used rather than a reader, so the XML parser can resolve character encoding specified by the XML declaration.

If this constructor is used to process a stylesheet, normally setSystemId should also be called, so that relative URI references can be resolved.

**Parameters:**inputStream - A valid InputStream reference to an XML stream.

### StreamSource

public **StreamSource**([InputStream](http://docs.google.com/java/io/InputStream.html) inputStream,  
 [String](http://docs.google.com/java/lang/String.html) systemId)

Construct a StreamSource from a byte stream. Normally, a stream should be used rather than a reader, so that the XML parser can resolve character encoding specified by the XML declaration.

This constructor allows the systemID to be set in addition to the input stream, which allows relative URIs to be processed.

**Parameters:**inputStream - A valid InputStream reference to an XML stream.systemId - Must be a String that conforms to the URI syntax.

### StreamSource

public **StreamSource**([Reader](http://docs.google.com/java/io/Reader.html) reader)

Construct a StreamSource from a character reader. Normally, a stream should be used rather than a reader, so that the XML parser can resolve character encoding specified by the XML declaration. However, in many cases the encoding of the input stream is already resolved, as in the case of reading XML from a StringReader.

**Parameters:**reader - A valid Reader reference to an XML character stream.

### StreamSource

public **StreamSource**([Reader](http://docs.google.com/java/io/Reader.html) reader,  
 [String](http://docs.google.com/java/lang/String.html) systemId)

Construct a StreamSource from a character reader. Normally, a stream should be used rather than a reader, so that the XML parser may resolve character encoding specified by the XML declaration. However, in many cases the encoding of the input stream is already resolved, as in the case of reading XML from a StringReader.

**Parameters:**reader - A valid Reader reference to an XML character stream.systemId - Must be a String that conforms to the URI syntax.

### StreamSource

public **StreamSource**([String](http://docs.google.com/java/lang/String.html) systemId)

Construct a StreamSource from a URL.

**Parameters:**systemId - Must be a String that conforms to the URI syntax.

### StreamSource

public **StreamSource**([File](http://docs.google.com/java/io/File.html) f)

Construct a StreamSource from a File.

**Parameters:**f - Must a non-null File reference.

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

### setInputStream

public void **setInputStream**([InputStream](http://docs.google.com/java/io/InputStream.html) inputStream)

Set the byte stream to be used as input. Normally, a stream should be used rather than a reader, so that the XML parser can resolve character encoding specified by the XML declaration.

If this Source object is used to process a stylesheet, normally setSystemId should also be called, so that relative URL references can be resolved.

**Parameters:**inputStream - A valid InputStream reference to an XML stream.

### getInputStream

public [InputStream](http://docs.google.com/java/io/InputStream.html) **getInputStream**()

Get the byte stream that was set with setByteStream.

**Returns:**The byte stream that was set with setByteStream, or null if setByteStream or the ByteStream constructor was not called.

### setReader

public void **setReader**([Reader](http://docs.google.com/java/io/Reader.html) reader)

Set the input to be a character reader. Normally, a stream should be used rather than a reader, so that the XML parser can resolve character encoding specified by the XML declaration. However, in many cases the encoding of the input stream is already resolved, as in the case of reading XML from a StringReader.

**Parameters:**reader - A valid Reader reference to an XML CharacterStream.

### getReader

public [Reader](http://docs.google.com/java/io/Reader.html) **getReader**()

Get the character stream that was set with setReader.

**Returns:**The character stream that was set with setReader, or null if setReader or the Reader constructor was not called.

### setPublicId

public void **setPublicId**([String](http://docs.google.com/java/lang/String.html) publicId)

Set the public identifier for this Source.

The public identifier is always optional: if the application writer includes one, it will be provided as part of the location information.

**Parameters:**publicId - The public identifier as a string.

### getPublicId

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

Get the public identifier that was set with setPublicId.

**Returns:**The public identifier that was set with setPublicId, or null if setPublicId was not called.

### setSystemId

public void **setSystemId**([String](http://docs.google.com/java/lang/String.html) systemId)

Set the system identifier for this Source.

The system identifier is optional if there is a byte stream or a character stream, but it is still useful to provide one, since the application can use it to resolve relative URIs and can include it in error messages and warnings (the parser will attempt to open a connection to the URI only if there is no byte stream or character stream specified).

**Specified by:**[setSystemId](http://docs.google.com/javax/xml/transform/Source.html#setSystemId(java.lang.String)) in interface [Source](http://docs.google.com/javax/xml/transform/Source.html) **Parameters:**systemId - The system identifier as a URL string.

### getSystemId

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

Get the system identifier that was set with setSystemId.

**Specified by:**[getSystemId](http://docs.google.com/javax/xml/transform/Source.html#getSystemId()) in interface [Source](http://docs.google.com/javax/xml/transform/Source.html) **Returns:**The system identifier that was set with setSystemId, or null if setSystemId was not called.

### setSystemId

public void **setSystemId**([File](http://docs.google.com/java/io/File.html) f)

Set the system ID from a File reference.

**Parameters:**f - Must a non-null File reference.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/StreamSource.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/stream/StreamResult.html)   NEXT CLASS | [**FRAMES**](http://docs.google.com/index.html?javax/xml/transform/stream/StreamSource.html)    [**NO FRAMES**](http://docs.google.com/StreamSource.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#1t3h5sf) | [CONSTR](#2s8eyo1) | [METHOD](#2jxsxqh) |

[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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