| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/StAXSource.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/stax/StAXResult.html)   NEXT CLASS | [**FRAMES**](http://docs.google.com/index.html?javax/xml/transform/stax/StAXSource.html)    [**NO FRAMES**](http://docs.google.com/StAXSource.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#1t3h5sf) | [CONSTR](#2s8eyo1) | [METHOD](#26in1rg) |

## **javax.xml.transform.stax**

Class StAXSource

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

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

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

Acts as a holder for an XML [Source](http://docs.google.com/javax/xml/transform/Source.html) in the form of a StAX reader,i.e. [XMLStreamReader](http://docs.google.com/javax/xml/stream/XMLStreamReader.html) or [XMLEventReader](http://docs.google.com/javax/xml/stream/XMLEventReader.html). StAXSource can be used in all cases that accept a Source, e.g. [Transformer](http://docs.google.com/javax/xml/transform/Transformer.html), [Validator](http://docs.google.com/javax/xml/validation/Validator.html) which accept Source as input.

StAXSources are consumed during processing and are not reusable.

**Since:** 1.6 **See Also:** [JSR 173: Streaming API for XML](http://jcp.org/en/jsr/detail?id=173), [XMLStreamReader](http://docs.google.com/javax/xml/stream/XMLStreamReader.html), [XMLEventReader](http://docs.google.com/javax/xml/stream/XMLEventReader.html)

| **Field Summary** | |
| --- | --- |
| static [String](http://docs.google.com/java/lang/String.html) | [**FEATURE**](http://docs.google.com/javax/xml/transform/stax/StAXSource.html#FEATURE)            If [TransformerFactory.getFeature(String name)](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** | |
| --- | --- |
| [**StAXSource**](http://docs.google.com/javax/xml/transform/stax/StAXSource.html#StAXSource(javax.xml.stream.XMLEventReader))([XMLEventReader](http://docs.google.com/javax/xml/stream/XMLEventReader.html) xmlEventReader)            Creates a new instance of a StAXSource by supplying an [XMLEventReader](http://docs.google.com/javax/xml/stream/XMLEventReader.html). |
| [**StAXSource**](http://docs.google.com/javax/xml/transform/stax/StAXSource.html#StAXSource(javax.xml.stream.XMLStreamReader))([XMLStreamReader](http://docs.google.com/javax/xml/stream/XMLStreamReader.html) xmlStreamReader)            Creates a new instance of a StAXSource by supplying an [XMLStreamReader](http://docs.google.com/javax/xml/stream/XMLStreamReader.html). |

| **Method Summary** | |
| --- | --- |
| [String](http://docs.google.com/java/lang/String.html) | [**getSystemId**](http://docs.google.com/javax/xml/transform/stax/StAXSource.html#getSystemId())()            Get the system identifier used by this StAXSource. |
| [XMLEventReader](http://docs.google.com/javax/xml/stream/XMLEventReader.html) | [**getXMLEventReader**](http://docs.google.com/javax/xml/transform/stax/StAXSource.html#getXMLEventReader())()            Get the XMLEventReader used by this StAXSource. |
| [XMLStreamReader](http://docs.google.com/javax/xml/stream/XMLStreamReader.html) | [**getXMLStreamReader**](http://docs.google.com/javax/xml/transform/stax/StAXSource.html#getXMLStreamReader())()            Get the XMLStreamReader used by this StAXSource. |
| void | [**setSystemId**](http://docs.google.com/javax/xml/transform/stax/StAXSource.html#setSystemId(java.lang.String))([String](http://docs.google.com/java/lang/String.html) systemId)            In the context of a StAXSource, it is not appropriate to explicitly set the system identifier. |

| **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(String name)](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.stax.StAXSource.FEATURE)

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

### StAXSource

public **StAXSource**([XMLEventReader](http://docs.google.com/javax/xml/stream/XMLEventReader.html) xmlEventReader)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Creates a new instance of a StAXSource by supplying an [XMLEventReader](http://docs.google.com/javax/xml/stream/XMLEventReader.html).

XMLEventReader must be a non-null reference.

XMLEventReader must be in [XMLStreamConstants.START\_DOCUMENT](http://docs.google.com/javax/xml/stream/XMLStreamConstants.html#START_DOCUMENT) or [XMLStreamConstants.START\_ELEMENT](http://docs.google.com/javax/xml/stream/XMLStreamConstants.html#START_ELEMENT) state.

**Parameters:**xmlEventReader - XMLEventReader used to create this StAXSource. **Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html) - If xmlEventReader access throws an Exception. [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - If xmlEventReader == null. [IllegalStateException](http://docs.google.com/java/lang/IllegalStateException.html) - If xmlEventReader is not in XMLStreamConstants.START\_DOCUMENT or XMLStreamConstants.START\_ELEMENT state.

### StAXSource

public **StAXSource**([XMLStreamReader](http://docs.google.com/javax/xml/stream/XMLStreamReader.html) xmlStreamReader)

Creates a new instance of a StAXSource by supplying an [XMLStreamReader](http://docs.google.com/javax/xml/stream/XMLStreamReader.html).

XMLStreamReader must be a non-null reference.

XMLStreamReader must be in [XMLStreamConstants.START\_DOCUMENT](http://docs.google.com/javax/xml/stream/XMLStreamConstants.html#START_DOCUMENT) or [XMLStreamConstants.START\_ELEMENT](http://docs.google.com/javax/xml/stream/XMLStreamConstants.html#START_ELEMENT) state.

**Parameters:**xmlStreamReader - XMLStreamReader used to create this StAXSource. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - If xmlStreamReader == null. [IllegalStateException](http://docs.google.com/java/lang/IllegalStateException.html) - If xmlStreamReader is not in XMLStreamConstants.START\_DOCUMENT or XMLStreamConstants.START\_ELEMENT state.

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

### getXMLEventReader

public [XMLEventReader](http://docs.google.com/javax/xml/stream/XMLEventReader.html) **getXMLEventReader**()

Get the XMLEventReader used by this StAXSource.

XMLEventReader will be null. if this StAXSource was created with a XMLStreamReader.

**Returns:**XMLEventReader used by this StAXSource.

### getXMLStreamReader

public [XMLStreamReader](http://docs.google.com/javax/xml/stream/XMLStreamReader.html) **getXMLStreamReader**()

Get the XMLStreamReader used by this StAXSource.

XMLStreamReader will be null if this StAXSource was created with a XMLEventReader.

**Returns:**XMLStreamReader used by this StAXSource.

### setSystemId

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

In the context of a StAXSource, it is not appropriate to explicitly set the system identifier. The XMLStreamReader or XMLEventReader used to construct this StAXSource determines the system identifier of the XML source.

An [UnsupportedOperationException](http://docs.google.com/java/lang/UnsupportedOperationException.html) is **always** thrown by this method.

**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 - Ignored. **Throws:** [UnsupportedOperationException](http://docs.google.com/java/lang/UnsupportedOperationException.html) - Is **always** thrown by this method.

### getSystemId

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

Get the system identifier used by this StAXSource.

The XMLStreamReader or XMLEventReader used to construct this StAXSource is queried to determine the system identifier of the XML source.

The system identifier may be null or an empty "" String.

**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:**System identifier used by this StAXSource.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/StAXSource.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/stax/StAXResult.html)   NEXT CLASS | [**FRAMES**](http://docs.google.com/index.html?javax/xml/transform/stax/StAXSource.html)    [**NO FRAMES**](http://docs.google.com/StAXSource.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#1t3h5sf) | [CONSTR](#2s8eyo1) | [METHOD](#26in1rg) |

[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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