| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/XMLInputFactory.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/stream/XMLEventWriter.html)   [**NEXT CLASS**](http://docs.google.com/javax/xml/stream/XMLOutputFactory.html) | [**FRAMES**](http://docs.google.com/index.html?javax/xml/stream/XMLInputFactory.html)    [**NO FRAMES**](http://docs.google.com/XMLInputFactory.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#1t3h5sf) | [CONSTR](#2jxsxqh) | [METHOD](#3j2qqm3) |

## **javax.xml.stream**

Class XMLInputFactory

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

public abstract class **XMLInputFactory**extends [Object](http://docs.google.com/java/lang/Object.html)

Defines an abstract implementation of a factory for getting streams. The following table defines the standard properties of this specification. Each property varies in the level of support required by each implementation. The level of support required is described in the 'Required' column.

| Configuration parameters | | | | |
| --- | --- | --- | --- | --- |
| Property Name | Behavior | Return type | Default Value | Required |
| javax.xml.stream.isValidating | Turns on/off implementation specific DTD validation | Boolean | False | No |
| javax.xml.stream.isNamespaceAware | Turns on/off namespace processing for XML 1.0 support | Boolean | True | True (required) / False (optional) |
| javax.xml.stream.isCoalescing | Requires the processor to coalesce adjacent character data | Boolean | False | Yes |
| javax.xml.stream.isReplacingEntityReferences | replace internal entity references with their replacement text and report them as characters | Boolean | True | Yes |
| javax.xml.stream.isSupportingExternalEntities | Resolve external parsed entities | Boolean | Unspecified | Yes |
| javax.xml.stream.supportDTD | Use this property to request processors that do not support DTDs | Boolean | True | Yes |
| javax.xml.stream.reporter | sets/gets the impl of the XMLReporter | javax.xml.stream.XMLReporter | Null | Yes |
| javax.xml.stream.resolver | sets/gets the impl of the XMLResolver interface | javax.xml.stream.XMLResolver | Null | Yes |
| javax.xml.stream.allocator | sets/gets the impl of the XMLEventAllocator interface | javax.xml.stream.util.XMLEventAllocator | Null | Yes |

**Since:** 1.6 **See Also:**[XMLOutputFactory](http://docs.google.com/javax/xml/stream/XMLOutputFactory.html), [XMLEventReader](http://docs.google.com/javax/xml/stream/XMLEventReader.html), [XMLStreamReader](http://docs.google.com/javax/xml/stream/XMLStreamReader.html), [EventFilter](http://docs.google.com/javax/xml/stream/EventFilter.html), [XMLReporter](http://docs.google.com/javax/xml/stream/XMLReporter.html), [XMLResolver](http://docs.google.com/javax/xml/stream/XMLResolver.html), [XMLEventAllocator](http://docs.google.com/javax/xml/stream/util/XMLEventAllocator.html)

| **Field Summary** | |
| --- | --- |
| static [String](http://docs.google.com/java/lang/String.html) | [**ALLOCATOR**](http://docs.google.com/javax/xml/stream/XMLInputFactory.html#ALLOCATOR)            The property used to set/get the implementation of the allocator |
| static [String](http://docs.google.com/java/lang/String.html) | [**IS\_COALESCING**](http://docs.google.com/javax/xml/stream/XMLInputFactory.html#IS_COALESCING)            The property that requires the parser to coalesce adjacent character data sections |
| static [String](http://docs.google.com/java/lang/String.html) | [**IS\_NAMESPACE\_AWARE**](http://docs.google.com/javax/xml/stream/XMLInputFactory.html#IS_NAMESPACE_AWARE)            The property used to turn on/off namespace support, this is to support XML 1.0 documents, only the true setting must be supported |
| static [String](http://docs.google.com/java/lang/String.html) | [**IS\_REPLACING\_ENTITY\_REFERENCES**](http://docs.google.com/javax/xml/stream/XMLInputFactory.html#IS_REPLACING_ENTITY_REFERENCES)            Requires the parser to replace internal entity references with their replacement text and report them as characters |
| static [String](http://docs.google.com/java/lang/String.html) | [**IS\_SUPPORTING\_EXTERNAL\_ENTITIES**](http://docs.google.com/javax/xml/stream/XMLInputFactory.html#IS_SUPPORTING_EXTERNAL_ENTITIES)            The property that requires the parser to resolve external parsed entities |
| static [String](http://docs.google.com/java/lang/String.html) | [**IS\_VALIDATING**](http://docs.google.com/javax/xml/stream/XMLInputFactory.html#IS_VALIDATING)            The property used to turn on/off implementation specific validation |
| static [String](http://docs.google.com/java/lang/String.html) | [**REPORTER**](http://docs.google.com/javax/xml/stream/XMLInputFactory.html#REPORTER)            The property used to set/get the implementation of the XMLReporter interface |
| static [String](http://docs.google.com/java/lang/String.html) | [**RESOLVER**](http://docs.google.com/javax/xml/stream/XMLInputFactory.html#RESOLVER)            The property used to set/get the implementation of the XMLResolver |
| static [String](http://docs.google.com/java/lang/String.html) | [**SUPPORT\_DTD**](http://docs.google.com/javax/xml/stream/XMLInputFactory.html#SUPPORT_DTD)            The property that requires the parser to support DTDs |

| **Constructor Summary** | |
| --- | --- |
| protected | [**XMLInputFactory**](http://docs.google.com/javax/xml/stream/XMLInputFactory.html#XMLInputFactory())() |

| **Method Summary** | |
| --- | --- |
| abstract  [XMLEventReader](http://docs.google.com/javax/xml/stream/XMLEventReader.html) | [**createFilteredReader**](http://docs.google.com/javax/xml/stream/XMLInputFactory.html#createFilteredReader(javax.xml.stream.XMLEventReader,%20javax.xml.stream.EventFilter))([XMLEventReader](http://docs.google.com/javax/xml/stream/XMLEventReader.html) reader, [EventFilter](http://docs.google.com/javax/xml/stream/EventFilter.html) filter)            Create a filtered event reader that wraps the filter around the event reader |
| abstract  [XMLStreamReader](http://docs.google.com/javax/xml/stream/XMLStreamReader.html) | [**createFilteredReader**](http://docs.google.com/javax/xml/stream/XMLInputFactory.html#createFilteredReader(javax.xml.stream.XMLStreamReader,%20javax.xml.stream.StreamFilter))([XMLStreamReader](http://docs.google.com/javax/xml/stream/XMLStreamReader.html) reader, [StreamFilter](http://docs.google.com/javax/xml/stream/StreamFilter.html) filter)            Create a filtered reader that wraps the filter around the reader |
| abstract  [XMLEventReader](http://docs.google.com/javax/xml/stream/XMLEventReader.html) | [**createXMLEventReader**](http://docs.google.com/javax/xml/stream/XMLInputFactory.html#createXMLEventReader(java.io.InputStream))([InputStream](http://docs.google.com/java/io/InputStream.html) stream)            Create a new XMLEventReader from a java.io.InputStream |
| abstract  [XMLEventReader](http://docs.google.com/javax/xml/stream/XMLEventReader.html) | [**createXMLEventReader**](http://docs.google.com/javax/xml/stream/XMLInputFactory.html#createXMLEventReader(java.io.InputStream,%20java.lang.String))([InputStream](http://docs.google.com/java/io/InputStream.html) stream, [String](http://docs.google.com/java/lang/String.html) encoding)            Create a new XMLEventReader from a java.io.InputStream |
| abstract  [XMLEventReader](http://docs.google.com/javax/xml/stream/XMLEventReader.html) | [**createXMLEventReader**](http://docs.google.com/javax/xml/stream/XMLInputFactory.html#createXMLEventReader(java.io.Reader))([Reader](http://docs.google.com/java/io/Reader.html) reader)            Create a new XMLEventReader from a reader |
| abstract  [XMLEventReader](http://docs.google.com/javax/xml/stream/XMLEventReader.html) | [**createXMLEventReader**](http://docs.google.com/javax/xml/stream/XMLInputFactory.html#createXMLEventReader(javax.xml.transform.Source))([Source](http://docs.google.com/javax/xml/transform/Source.html) source)            Create a new XMLEventReader from a JAXP source. |
| abstract  [XMLEventReader](http://docs.google.com/javax/xml/stream/XMLEventReader.html) | [**createXMLEventReader**](http://docs.google.com/javax/xml/stream/XMLInputFactory.html#createXMLEventReader(java.lang.String,%20java.io.InputStream))([String](http://docs.google.com/java/lang/String.html) systemId, [InputStream](http://docs.google.com/java/io/InputStream.html) stream)            Create a new XMLEventReader from a java.io.InputStream |
| abstract  [XMLEventReader](http://docs.google.com/javax/xml/stream/XMLEventReader.html) | [**createXMLEventReader**](http://docs.google.com/javax/xml/stream/XMLInputFactory.html#createXMLEventReader(java.lang.String,%20java.io.Reader))([String](http://docs.google.com/java/lang/String.html) systemId, [Reader](http://docs.google.com/java/io/Reader.html) reader)            Create a new XMLEventReader from a reader |
| abstract  [XMLEventReader](http://docs.google.com/javax/xml/stream/XMLEventReader.html) | [**createXMLEventReader**](http://docs.google.com/javax/xml/stream/XMLInputFactory.html#createXMLEventReader(javax.xml.stream.XMLStreamReader))([XMLStreamReader](http://docs.google.com/javax/xml/stream/XMLStreamReader.html) reader)            Create a new XMLEventReader from an XMLStreamReader. |
| abstract  [XMLStreamReader](http://docs.google.com/javax/xml/stream/XMLStreamReader.html) | [**createXMLStreamReader**](http://docs.google.com/javax/xml/stream/XMLInputFactory.html#createXMLStreamReader(java.io.InputStream))([InputStream](http://docs.google.com/java/io/InputStream.html) stream)            Create a new XMLStreamReader from a java.io.InputStream |
| abstract  [XMLStreamReader](http://docs.google.com/javax/xml/stream/XMLStreamReader.html) | [**createXMLStreamReader**](http://docs.google.com/javax/xml/stream/XMLInputFactory.html#createXMLStreamReader(java.io.InputStream,%20java.lang.String))([InputStream](http://docs.google.com/java/io/InputStream.html) stream, [String](http://docs.google.com/java/lang/String.html) encoding)            Create a new XMLStreamReader from a java.io.InputStream |
| abstract  [XMLStreamReader](http://docs.google.com/javax/xml/stream/XMLStreamReader.html) | [**createXMLStreamReader**](http://docs.google.com/javax/xml/stream/XMLInputFactory.html#createXMLStreamReader(java.io.Reader))([Reader](http://docs.google.com/java/io/Reader.html) reader)            Create a new XMLStreamReader from a reader |
| abstract  [XMLStreamReader](http://docs.google.com/javax/xml/stream/XMLStreamReader.html) | [**createXMLStreamReader**](http://docs.google.com/javax/xml/stream/XMLInputFactory.html#createXMLStreamReader(javax.xml.transform.Source))([Source](http://docs.google.com/javax/xml/transform/Source.html) source)            Create a new XMLStreamReader from a JAXP source. |
| abstract  [XMLStreamReader](http://docs.google.com/javax/xml/stream/XMLStreamReader.html) | [**createXMLStreamReader**](http://docs.google.com/javax/xml/stream/XMLInputFactory.html#createXMLStreamReader(java.lang.String,%20java.io.InputStream))([String](http://docs.google.com/java/lang/String.html) systemId, [InputStream](http://docs.google.com/java/io/InputStream.html) stream)            Create a new XMLStreamReader from a java.io.InputStream |
| abstract  [XMLStreamReader](http://docs.google.com/javax/xml/stream/XMLStreamReader.html) | [**createXMLStreamReader**](http://docs.google.com/javax/xml/stream/XMLInputFactory.html#createXMLStreamReader(java.lang.String,%20java.io.Reader))([String](http://docs.google.com/java/lang/String.html) systemId, [Reader](http://docs.google.com/java/io/Reader.html) reader)            Create a new XMLStreamReader from a java.io.InputStream |
| abstract  [XMLEventAllocator](http://docs.google.com/javax/xml/stream/util/XMLEventAllocator.html) | [**getEventAllocator**](http://docs.google.com/javax/xml/stream/XMLInputFactory.html#getEventAllocator())()            Gets the allocator used by streams created with this factory |
| abstract  [Object](http://docs.google.com/java/lang/Object.html) | [**getProperty**](http://docs.google.com/javax/xml/stream/XMLInputFactory.html#getProperty(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Get the value of a feature/property from the underlying implementation |
| abstract  [XMLReporter](http://docs.google.com/javax/xml/stream/XMLReporter.html) | [**getXMLReporter**](http://docs.google.com/javax/xml/stream/XMLInputFactory.html#getXMLReporter())()            The reporter that will be set on any XMLStreamReader or XMLEventReader created by this factory instance. |
| abstract  [XMLResolver](http://docs.google.com/javax/xml/stream/XMLResolver.html) | [**getXMLResolver**](http://docs.google.com/javax/xml/stream/XMLInputFactory.html#getXMLResolver())()            The resolver that will be set on any XMLStreamReader or XMLEventReader created by this factory instance. |
| abstract  boolean | [**isPropertySupported**](http://docs.google.com/javax/xml/stream/XMLInputFactory.html#isPropertySupported(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Query the set of properties that this factory supports. |
| static [XMLInputFactory](http://docs.google.com/javax/xml/stream/XMLInputFactory.html) | [**newInstance**](http://docs.google.com/javax/xml/stream/XMLInputFactory.html#newInstance())()            Create a new instance of the factory. |
| static [XMLInputFactory](http://docs.google.com/javax/xml/stream/XMLInputFactory.html) | [**newInstance**](http://docs.google.com/javax/xml/stream/XMLInputFactory.html#newInstance(java.lang.String,%20java.lang.ClassLoader))([String](http://docs.google.com/java/lang/String.html) factoryId, [ClassLoader](http://docs.google.com/java/lang/ClassLoader.html) classLoader)            Create a new instance of the factory |
| abstract  void | [**setEventAllocator**](http://docs.google.com/javax/xml/stream/XMLInputFactory.html#setEventAllocator(javax.xml.stream.util.XMLEventAllocator))([XMLEventAllocator](http://docs.google.com/javax/xml/stream/util/XMLEventAllocator.html) allocator)            Set a user defined event allocator for events |
| abstract  void | [**setProperty**](http://docs.google.com/javax/xml/stream/XMLInputFactory.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)            Allows the user to set specific feature/property on the underlying implementation. |
| abstract  void | [**setXMLReporter**](http://docs.google.com/javax/xml/stream/XMLInputFactory.html#setXMLReporter(javax.xml.stream.XMLReporter))([XMLReporter](http://docs.google.com/javax/xml/stream/XMLReporter.html) reporter)            The reporter that will be set on any XMLStreamReader or XMLEventReader created by this factory instance. |
| abstract  void | [**setXMLResolver**](http://docs.google.com/javax/xml/stream/XMLInputFactory.html#setXMLResolver(javax.xml.stream.XMLResolver))([XMLResolver](http://docs.google.com/javax/xml/stream/XMLResolver.html) resolver)            The resolver that will be set on any XMLStreamReader or XMLEventReader created by this factory instance. |

| **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** |
| --- |

### IS\_NAMESPACE\_AWARE

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

The property used to turn on/off namespace support, this is to support XML 1.0 documents, only the true setting must be supported

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

### IS\_VALIDATING

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

The property used to turn on/off implementation specific validation

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

### IS\_COALESCING

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

The property that requires the parser to coalesce adjacent character data sections

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

### IS\_REPLACING\_ENTITY\_REFERENCES

public static final [String](http://docs.google.com/java/lang/String.html) **IS\_REPLACING\_ENTITY\_REFERENCES**

Requires the parser to replace internal entity references with their replacement text and report them as characters

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

### IS\_SUPPORTING\_EXTERNAL\_ENTITIES

public static final [String](http://docs.google.com/java/lang/String.html) **IS\_SUPPORTING\_EXTERNAL\_ENTITIES**

The property that requires the parser to resolve external parsed entities

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

### SUPPORT\_DTD

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

The property that requires the parser to support DTDs

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

### REPORTER

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

The property used to set/get the implementation of the XMLReporter interface

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

### RESOLVER

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

The property used to set/get the implementation of the XMLResolver

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

### ALLOCATOR

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

The property used to set/get the implementation of the allocator

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

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

### XMLInputFactory

protected **XMLInputFactory**()

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

### newInstance

public static [XMLInputFactory](http://docs.google.com/javax/xml/stream/XMLInputFactory.html) **newInstance**()  
 throws [FactoryConfigurationError](http://docs.google.com/javax/xml/stream/FactoryConfigurationError.html)

Create a new instance of the factory. This static method creates a new factory instance. This method uses the following ordered lookup procedure to determine the XMLInputFactory implementation class to load: Use the javax.xml.stream.XMLInputFactory system property. Use the properties file "lib/stax.properties" in the JRE directory. This configuration file is in standard java.util.Properties format and contains the fully qualified name of the implementation class with the key being the system property defined above. Use the Services API (as detailed in the JAR specification), if available, to determine the classname. The Services API will look for a classname in the file META-INF/services/javax.xml.stream.XMLInputFactory in jars available to the runtime. Platform default XMLInputFactory instance. Once an application has obtained a reference to a XMLInputFactory it can use the factory to configure and obtain stream instances.

**Throws:** [FactoryConfigurationError](http://docs.google.com/javax/xml/stream/FactoryConfigurationError.html) - if an instance of this factory cannot be loaded

### newInstance

public static [XMLInputFactory](http://docs.google.com/javax/xml/stream/XMLInputFactory.html) **newInstance**([String](http://docs.google.com/java/lang/String.html) factoryId,  
 [ClassLoader](http://docs.google.com/java/lang/ClassLoader.html) classLoader)  
 throws [FactoryConfigurationError](http://docs.google.com/javax/xml/stream/FactoryConfigurationError.html)

Create a new instance of the factory

**Parameters:**factoryId - Name of the factory to find, same as a property nameclassLoader - classLoader to use **Returns:**the factory implementation **Throws:** [FactoryConfigurationError](http://docs.google.com/javax/xml/stream/FactoryConfigurationError.html) - if an instance of this factory cannot be loaded

### createXMLStreamReader

public abstract [XMLStreamReader](http://docs.google.com/javax/xml/stream/XMLStreamReader.html) **createXMLStreamReader**([Reader](http://docs.google.com/java/io/Reader.html) reader)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Create a new XMLStreamReader from a reader

**Parameters:**reader - the XML data to read from **Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

### createXMLStreamReader

public abstract [XMLStreamReader](http://docs.google.com/javax/xml/stream/XMLStreamReader.html) **createXMLStreamReader**([Source](http://docs.google.com/javax/xml/transform/Source.html) source)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Create a new XMLStreamReader from a JAXP source. This method is optional.

**Parameters:**source - the source to read from **Throws:** [UnsupportedOperationException](http://docs.google.com/java/lang/UnsupportedOperationException.html) - if this method is not supported by this XMLInputFactory [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

### createXMLStreamReader

public abstract [XMLStreamReader](http://docs.google.com/javax/xml/stream/XMLStreamReader.html) **createXMLStreamReader**([InputStream](http://docs.google.com/java/io/InputStream.html) stream)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Create a new XMLStreamReader from a java.io.InputStream

**Parameters:**stream - the InputStream to read from **Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

### createXMLStreamReader

public abstract [XMLStreamReader](http://docs.google.com/javax/xml/stream/XMLStreamReader.html) **createXMLStreamReader**([InputStream](http://docs.google.com/java/io/InputStream.html) stream,  
 [String](http://docs.google.com/java/lang/String.html) encoding)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Create a new XMLStreamReader from a java.io.InputStream

**Parameters:**stream - the InputStream to read fromencoding - the character encoding of the stream **Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

### createXMLStreamReader

public abstract [XMLStreamReader](http://docs.google.com/javax/xml/stream/XMLStreamReader.html) **createXMLStreamReader**([String](http://docs.google.com/java/lang/String.html) systemId,  
 [InputStream](http://docs.google.com/java/io/InputStream.html) stream)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Create a new XMLStreamReader from a java.io.InputStream

**Parameters:**systemId - the system ID of the streamstream - the InputStream to read from **Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

### createXMLStreamReader

public abstract [XMLStreamReader](http://docs.google.com/javax/xml/stream/XMLStreamReader.html) **createXMLStreamReader**([String](http://docs.google.com/java/lang/String.html) systemId,  
 [Reader](http://docs.google.com/java/io/Reader.html) reader)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Create a new XMLStreamReader from a java.io.InputStream

**Parameters:**systemId - the system ID of the streamreader - the InputStream to read from **Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

### createXMLEventReader

public abstract [XMLEventReader](http://docs.google.com/javax/xml/stream/XMLEventReader.html) **createXMLEventReader**([Reader](http://docs.google.com/java/io/Reader.html) reader)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Create a new XMLEventReader from a reader

**Parameters:**reader - the XML data to read from **Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

### createXMLEventReader

public abstract [XMLEventReader](http://docs.google.com/javax/xml/stream/XMLEventReader.html) **createXMLEventReader**([String](http://docs.google.com/java/lang/String.html) systemId,  
 [Reader](http://docs.google.com/java/io/Reader.html) reader)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Create a new XMLEventReader from a reader

**Parameters:**systemId - the system ID of the inputreader - the XML data to read from **Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

### createXMLEventReader

public abstract [XMLEventReader](http://docs.google.com/javax/xml/stream/XMLEventReader.html) **createXMLEventReader**([XMLStreamReader](http://docs.google.com/javax/xml/stream/XMLStreamReader.html) reader)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Create a new XMLEventReader from an XMLStreamReader. After being used to construct the XMLEventReader instance returned from this method the XMLStreamReader must not be used.

**Parameters:**reader - the XMLStreamReader to read from (may not be modified) **Returns:**a new XMLEventReader **Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

### createXMLEventReader

public abstract [XMLEventReader](http://docs.google.com/javax/xml/stream/XMLEventReader.html) **createXMLEventReader**([Source](http://docs.google.com/javax/xml/transform/Source.html) source)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Create a new XMLEventReader from a JAXP source. Support of this method is optional.

**Parameters:**source - the source to read from **Throws:** [UnsupportedOperationException](http://docs.google.com/java/lang/UnsupportedOperationException.html) - if this method is not supported by this XMLInputFactory [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

### createXMLEventReader

public abstract [XMLEventReader](http://docs.google.com/javax/xml/stream/XMLEventReader.html) **createXMLEventReader**([InputStream](http://docs.google.com/java/io/InputStream.html) stream)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Create a new XMLEventReader from a java.io.InputStream

**Parameters:**stream - the InputStream to read from **Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

### createXMLEventReader

public abstract [XMLEventReader](http://docs.google.com/javax/xml/stream/XMLEventReader.html) **createXMLEventReader**([InputStream](http://docs.google.com/java/io/InputStream.html) stream,  
 [String](http://docs.google.com/java/lang/String.html) encoding)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Create a new XMLEventReader from a java.io.InputStream

**Parameters:**stream - the InputStream to read fromencoding - the character encoding of the stream **Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

### createXMLEventReader

public abstract [XMLEventReader](http://docs.google.com/javax/xml/stream/XMLEventReader.html) **createXMLEventReader**([String](http://docs.google.com/java/lang/String.html) systemId,  
 [InputStream](http://docs.google.com/java/io/InputStream.html) stream)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Create a new XMLEventReader from a java.io.InputStream

**Parameters:**systemId - the system ID of the streamstream - the InputStream to read from **Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

### createFilteredReader

public abstract [XMLStreamReader](http://docs.google.com/javax/xml/stream/XMLStreamReader.html) **createFilteredReader**([XMLStreamReader](http://docs.google.com/javax/xml/stream/XMLStreamReader.html) reader,  
 [StreamFilter](http://docs.google.com/javax/xml/stream/StreamFilter.html) filter)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Create a filtered reader that wraps the filter around the reader

**Parameters:**reader - the reader to filterfilter - the filter to apply to the reader **Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

### createFilteredReader

public abstract [XMLEventReader](http://docs.google.com/javax/xml/stream/XMLEventReader.html) **createFilteredReader**([XMLEventReader](http://docs.google.com/javax/xml/stream/XMLEventReader.html) reader,  
 [EventFilter](http://docs.google.com/javax/xml/stream/EventFilter.html) filter)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Create a filtered event reader that wraps the filter around the event reader

**Parameters:**reader - the event reader to wrapfilter - the filter to apply to the event reader **Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

### getXMLResolver

public abstract [XMLResolver](http://docs.google.com/javax/xml/stream/XMLResolver.html) **getXMLResolver**()

The resolver that will be set on any XMLStreamReader or XMLEventReader created by this factory instance.

### setXMLResolver

public abstract void **setXMLResolver**([XMLResolver](http://docs.google.com/javax/xml/stream/XMLResolver.html) resolver)

The resolver that will be set on any XMLStreamReader or XMLEventReader created by this factory instance.

**Parameters:**resolver - the resolver to use to resolve references

### getXMLReporter

public abstract [XMLReporter](http://docs.google.com/javax/xml/stream/XMLReporter.html) **getXMLReporter**()

The reporter that will be set on any XMLStreamReader or XMLEventReader created by this factory instance.

### setXMLReporter

public abstract void **setXMLReporter**([XMLReporter](http://docs.google.com/javax/xml/stream/XMLReporter.html) reporter)

The reporter that will be set on any XMLStreamReader or XMLEventReader created by this factory instance.

**Parameters:**reporter - the resolver to use to report non fatal errors

### setProperty

public abstract void **setProperty**([String](http://docs.google.com/java/lang/String.html) name,  
 [Object](http://docs.google.com/java/lang/Object.html) value)  
 throws [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html)

Allows the user to set specific feature/property on the underlying implementation. The underlying implementation is not required to support every setting of every property in the specification and may use IllegalArgumentException to signal that an unsupported property may not be set with the specified value.

**Parameters:**name - The name of the property (may not be null)value - The value of the property **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if the property is not supported

### getProperty

public abstract [Object](http://docs.google.com/java/lang/Object.html) **getProperty**([String](http://docs.google.com/java/lang/String.html) name)  
 throws [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html)

Get the value of a feature/property from the underlying implementation

**Parameters:**name - The name of the property (may not be null) **Returns:**The value of the property **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if the property is not supported

### isPropertySupported

public abstract boolean **isPropertySupported**([String](http://docs.google.com/java/lang/String.html) name)

Query the set of properties that this factory supports.

**Parameters:**name - The name of the property (may not be null) **Returns:**true if the property is supported and false otherwise

### setEventAllocator

public abstract void **setEventAllocator**([XMLEventAllocator](http://docs.google.com/javax/xml/stream/util/XMLEventAllocator.html) allocator)

Set a user defined event allocator for events

**Parameters:**allocator - the user defined allocator

### getEventAllocator

public abstract [XMLEventAllocator](http://docs.google.com/javax/xml/stream/util/XMLEventAllocator.html) **getEventAllocator**()

Gets the allocator used by streams created with this factory

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/XMLInputFactory.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/stream/XMLEventWriter.html)   [**NEXT CLASS**](http://docs.google.com/javax/xml/stream/XMLOutputFactory.html) | [**FRAMES**](http://docs.google.com/index.html?javax/xml/stream/XMLInputFactory.html)    [**NO FRAMES**](http://docs.google.com/XMLInputFactory.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#1t3h5sf) | [CONSTR](#2jxsxqh) | [METHOD](#3j2qqm3) |

[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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