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

## **javax.xml.stream**

Class XMLOutputFactory

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

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

Defines an abstract implementation of a factory for getting XMLEventWriters and XMLStreamWriters. 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.isRepairingNamespaces | defaults prefixes on the output side | Boolean | False | Yes |

The following paragraphs describe the namespace and prefix repair algorithm:

The property can be set with the following code line: setProperty("javax.xml.stream.isRepairingNamespaces",new Boolean(true|false));

This property specifies that the writer default namespace prefix declarations. The default value is false.

If a writer isRepairingNamespaces it will create a namespace declaration on the current StartElement for any attribute that does not currently have a namespace declaration in scope. If the StartElement has a uri but no prefix specified a prefix will be assigned, if the prefix has not been declared in a parent of the current StartElement it will be declared on the current StartElement. If the defaultNamespace is bound and in scope and the default namespace matches the URI of the attribute or StartElement QName no prefix will be assigned.

If an element or attribute name has a prefix, but is not bound to any namespace URI, then the prefix will be removed during serialization.

If element and/or attribute names in the same start or empty-element tag are bound to different namespace URIs and are using the same prefix then the element or the first occurring attribute retains the original prefix and the following attributes have their prefixes replaced with a new prefix that is bound to the namespace URIs of those attributes.

If an element or attribute name uses a prefix that is bound to a different URI than that inherited from the namespace context of the parent of that element and there is no namespace declaration in the context of the current element then such a namespace declaration is added.

If an element or attribute name is bound to a prefix and there is a namespace declaration that binds that prefix to a different URI then that namespace declaration is either removed if the correct mapping is inherited from the parent context of that element, or changed to the namespace URI of the element or attribute using that prefix.

**Since:** 1.6 **See Also:**[XMLInputFactory](http://docs.google.com/javax/xml/stream/XMLInputFactory.html), [XMLEventWriter](http://docs.google.com/javax/xml/stream/XMLEventWriter.html), [XMLStreamWriter](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html)

| **Field Summary** | |
| --- | --- |
| static [String](http://docs.google.com/java/lang/String.html) | [**IS\_REPAIRING\_NAMESPACES**](http://docs.google.com/javax/xml/stream/XMLOutputFactory.html#IS_REPAIRING_NAMESPACES)            Property used to set prefix defaulting on the output side |

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

| **Method Summary** | |
| --- | --- |
| abstract  [XMLEventWriter](http://docs.google.com/javax/xml/stream/XMLEventWriter.html) | [**createXMLEventWriter**](http://docs.google.com/javax/xml/stream/XMLOutputFactory.html#createXMLEventWriter(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) stream)            Create a new XMLEventWriter that writes to a stream |
| abstract  [XMLEventWriter](http://docs.google.com/javax/xml/stream/XMLEventWriter.html) | [**createXMLEventWriter**](http://docs.google.com/javax/xml/stream/XMLOutputFactory.html#createXMLEventWriter(java.io.OutputStream,%20java.lang.String))([OutputStream](http://docs.google.com/java/io/OutputStream.html) stream, [String](http://docs.google.com/java/lang/String.html) encoding)            Create a new XMLEventWriter that writes to a stream |
| abstract  [XMLEventWriter](http://docs.google.com/javax/xml/stream/XMLEventWriter.html) | [**createXMLEventWriter**](http://docs.google.com/javax/xml/stream/XMLOutputFactory.html#createXMLEventWriter(javax.xml.transform.Result))([Result](http://docs.google.com/javax/xml/transform/Result.html) result)            Create a new XMLEventWriter that writes to a JAXP result. |
| abstract  [XMLEventWriter](http://docs.google.com/javax/xml/stream/XMLEventWriter.html) | [**createXMLEventWriter**](http://docs.google.com/javax/xml/stream/XMLOutputFactory.html#createXMLEventWriter(java.io.Writer))([Writer](http://docs.google.com/java/io/Writer.html) stream)            Create a new XMLEventWriter that writes to a writer |
| abstract  [XMLStreamWriter](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html) | [**createXMLStreamWriter**](http://docs.google.com/javax/xml/stream/XMLOutputFactory.html#createXMLStreamWriter(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) stream)            Create a new XMLStreamWriter that writes to a stream |
| abstract  [XMLStreamWriter](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html) | [**createXMLStreamWriter**](http://docs.google.com/javax/xml/stream/XMLOutputFactory.html#createXMLStreamWriter(java.io.OutputStream,%20java.lang.String))([OutputStream](http://docs.google.com/java/io/OutputStream.html) stream, [String](http://docs.google.com/java/lang/String.html) encoding)            Create a new XMLStreamWriter that writes to a stream |
| abstract  [XMLStreamWriter](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html) | [**createXMLStreamWriter**](http://docs.google.com/javax/xml/stream/XMLOutputFactory.html#createXMLStreamWriter(javax.xml.transform.Result))([Result](http://docs.google.com/javax/xml/transform/Result.html) result)            Create a new XMLStreamWriter that writes to a JAXP result. |
| abstract  [XMLStreamWriter](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html) | [**createXMLStreamWriter**](http://docs.google.com/javax/xml/stream/XMLOutputFactory.html#createXMLStreamWriter(java.io.Writer))([Writer](http://docs.google.com/java/io/Writer.html) stream)            Create a new XMLStreamWriter that writes to a writer |
| abstract  [Object](http://docs.google.com/java/lang/Object.html) | [**getProperty**](http://docs.google.com/javax/xml/stream/XMLOutputFactory.html#getProperty(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Get a feature/property on the underlying implementation |
| abstract  boolean | [**isPropertySupported**](http://docs.google.com/javax/xml/stream/XMLOutputFactory.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 [XMLOutputFactory](http://docs.google.com/javax/xml/stream/XMLOutputFactory.html) | [**newInstance**](http://docs.google.com/javax/xml/stream/XMLOutputFactory.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/XMLOutputFactory.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 | [**setProperty**](http://docs.google.com/javax/xml/stream/XMLOutputFactory.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 features/properties on the underlying implementation. |

| **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\_REPAIRING\_NAMESPACES

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

Property used to set prefix defaulting on the output side

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

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

### XMLOutputFactory

protected **XMLOutputFactory**()

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

### newInstance

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

Create a new instance of the factory.

**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

### createXMLStreamWriter

public abstract [XMLStreamWriter](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html) **createXMLStreamWriter**([Writer](http://docs.google.com/java/io/Writer.html) stream)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Create a new XMLStreamWriter that writes to a writer

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

### createXMLStreamWriter

public abstract [XMLStreamWriter](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html) **createXMLStreamWriter**([OutputStream](http://docs.google.com/java/io/OutputStream.html) stream)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Create a new XMLStreamWriter that writes to a stream

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

### createXMLStreamWriter

public abstract [XMLStreamWriter](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html) **createXMLStreamWriter**([OutputStream](http://docs.google.com/java/io/OutputStream.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 XMLStreamWriter that writes to a stream

**Parameters:**stream - the stream to write toencoding - the encoding to use **Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

### createXMLStreamWriter

public abstract [XMLStreamWriter](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html) **createXMLStreamWriter**([Result](http://docs.google.com/javax/xml/transform/Result.html) result)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Create a new XMLStreamWriter that writes to a JAXP result. This method is optional.

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

### createXMLEventWriter

public abstract [XMLEventWriter](http://docs.google.com/javax/xml/stream/XMLEventWriter.html) **createXMLEventWriter**([Result](http://docs.google.com/javax/xml/transform/Result.html) result)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Create a new XMLEventWriter that writes to a JAXP result. This method is optional.

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

### createXMLEventWriter

public abstract [XMLEventWriter](http://docs.google.com/javax/xml/stream/XMLEventWriter.html) **createXMLEventWriter**([OutputStream](http://docs.google.com/java/io/OutputStream.html) stream)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Create a new XMLEventWriter that writes to a stream

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

### createXMLEventWriter

public abstract [XMLEventWriter](http://docs.google.com/javax/xml/stream/XMLEventWriter.html) **createXMLEventWriter**([OutputStream](http://docs.google.com/java/io/OutputStream.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 XMLEventWriter that writes to a stream

**Parameters:**stream - the stream to write toencoding - the encoding to use **Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

### createXMLEventWriter

public abstract [XMLEventWriter](http://docs.google.com/javax/xml/stream/XMLEventWriter.html) **createXMLEventWriter**([Writer](http://docs.google.com/java/io/Writer.html) stream)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Create a new XMLEventWriter that writes to a writer

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

### 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 features/properties on the underlying implementation.

**Parameters:**name - The name of the propertyvalue - 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 a feature/property on the underlying implementation

**Parameters:**name - The name of the property **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

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

[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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