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

## **javax.xml.stream**

Interface XMLStreamWriter

public interface **XMLStreamWriter**

The XMLStreamWriter interface specifies how to write XML. The XMLStreamWriter does not perform well formedness checking on its input. However the writeCharacters method is required to escape & , < and > For attribute values the writeAttribute method will escape the above characters plus " to ensure that all character content and attribute values are well formed. Each NAMESPACE and ATTRIBUTE must be individually written.

| XML Namespaces, javax.xml.stream.isRepairingNamespaces and write method behaviour | | | | |
| --- | --- | --- | --- | --- |
| Method | isRepairingNamespaces == true | | isRepairingNamespaces == false | |
|  | namespaceURI bound | namespaceURI unbound | namespaceURI bound | namespaceURI unbound |
| writeAttribute(namespaceURI, localName, value) | prefix:localName="value" [1] | xmlns:{generated}="namespaceURI" {generated}:localName="value" | prefix:localName="value" [1] | XMLStreamException |
| writeAttribute(prefix, namespaceURI, localName, value) | bound to same prefix:  prefix:localName="value" [1]  bound to different prefix:  xmlns:{generated}="namespaceURI" {generated}:localName="value" | xmlns:prefix="namespaceURI" prefix:localName="value" [3] | bound to same prefix:  prefix:localName="value" [1][2]  bound to different prefix:  XMLStreamException[2] | xmlns:prefix="namespaceURI" prefix:localName="value" [2][5] |
| writeStartElement(namespaceURI, localName)  writeEmptyElement(namespaceURI, localName) | <prefix:localName> [1] | <{generated}:localName xmlns:{generated}="namespaceURI"> | <prefix:localName> [1] | XMLStreamException |
| writeStartElement(prefix, localName, namespaceURI)  writeEmptyElement(prefix, localName, namespaceURI) | bound to same prefix:  <prefix:localName> [1]  bound to different prefix:  <{generated}:localName xmlns:{generated}="namespaceURI"> | <prefix:localName xmlns:prefix="namespaceURI"> [4] | bound to same prefix:  <prefix:localName> [1]  bound to different prefix:  XMLStreamException | <prefix:localName> |
| Notes:   * [1] if namespaceURI == default Namespace URI, then no prefix is written * [2] if prefix == "" || null && namespaceURI == "", then no prefix or Namespace declaration is generated or written * [3] if prefix == "" || null, then a prefix is randomly generated * [4] if prefix == "" || null, then it is treated as the default Namespace and no prefix is generated or written, an xmlns declaration is generated and written if the namespaceURI is unbound * [5] if prefix == "" || null, then it is treated as an invalid attempt to define the default Namespace and an XMLStreamException is thrown | | | | |

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

| **Method Summary** | |
| --- | --- |
| void | [**close**](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html#close())()            Close this writer and free any resources associated with the writer. |
| void | [**flush**](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html#flush())()            Write any cached data to the underlying output mechanism. |
| [NamespaceContext](http://docs.google.com/javax/xml/namespace/NamespaceContext.html) | [**getNamespaceContext**](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html#getNamespaceContext())()            Returns the current namespace context. |
| [String](http://docs.google.com/java/lang/String.html) | [**getPrefix**](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html#getPrefix(java.lang.String))([String](http://docs.google.com/java/lang/String.html) uri)            Gets the prefix the uri is bound to |
| [Object](http://docs.google.com/java/lang/Object.html) | [**getProperty**](http://docs.google.com/javax/xml/stream/XMLStreamWriter.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 |
| void | [**setDefaultNamespace**](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html#setDefaultNamespace(java.lang.String))([String](http://docs.google.com/java/lang/String.html) uri)            Binds a URI to the default namespace This URI is bound in the scope of the current START\_ELEMENT / END\_ELEMENT pair. |
| void | [**setNamespaceContext**](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html#setNamespaceContext(javax.xml.namespace.NamespaceContext))([NamespaceContext](http://docs.google.com/javax/xml/namespace/NamespaceContext.html) context)            Sets the current namespace context for prefix and uri bindings. |
| void | [**setPrefix**](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html#setPrefix(java.lang.String,%20java.lang.String))([String](http://docs.google.com/java/lang/String.html) prefix, [String](http://docs.google.com/java/lang/String.html) uri)            Sets the prefix the uri is bound to. |
| void | [**writeAttribute**](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html#writeAttribute(java.lang.String,%20java.lang.String))([String](http://docs.google.com/java/lang/String.html) localName, [String](http://docs.google.com/java/lang/String.html) value)            Writes an attribute to the output stream without a prefix. |
| void | [**writeAttribute**](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html#writeAttribute(java.lang.String,%20java.lang.String,%20java.lang.String))([String](http://docs.google.com/java/lang/String.html) namespaceURI, [String](http://docs.google.com/java/lang/String.html) localName, [String](http://docs.google.com/java/lang/String.html) value)            Writes an attribute to the output stream |
| void | [**writeAttribute**](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html#writeAttribute(java.lang.String,%20java.lang.String,%20java.lang.String,%20java.lang.String))([String](http://docs.google.com/java/lang/String.html) prefix, [String](http://docs.google.com/java/lang/String.html) namespaceURI, [String](http://docs.google.com/java/lang/String.html) localName, [String](http://docs.google.com/java/lang/String.html) value)            Writes an attribute to the output stream |
| void | [**writeCData**](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html#writeCData(java.lang.String))([String](http://docs.google.com/java/lang/String.html) data)            Writes a CData section |
| void | [**writeCharacters**](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html#writeCharacters(char%5B%5D,%20int,%20int))(char[] text, int start, int len)            Write text to the output |
| void | [**writeCharacters**](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html#writeCharacters(java.lang.String))([String](http://docs.google.com/java/lang/String.html) text)            Write text to the output |
| void | [**writeComment**](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html#writeComment(java.lang.String))([String](http://docs.google.com/java/lang/String.html) data)            Writes an xml comment with the data enclosed |
| void | [**writeDefaultNamespace**](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html#writeDefaultNamespace(java.lang.String))([String](http://docs.google.com/java/lang/String.html) namespaceURI)            Writes the default namespace to the stream |
| void | [**writeDTD**](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html#writeDTD(java.lang.String))([String](http://docs.google.com/java/lang/String.html) dtd)            Write a DTD section. |
| void | [**writeEmptyElement**](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html#writeEmptyElement(java.lang.String))([String](http://docs.google.com/java/lang/String.html) localName)            Writes an empty element tag to the output |
| void | [**writeEmptyElement**](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html#writeEmptyElement(java.lang.String,%20java.lang.String))([String](http://docs.google.com/java/lang/String.html) namespaceURI, [String](http://docs.google.com/java/lang/String.html) localName)            Writes an empty element tag to the output |
| void | [**writeEmptyElement**](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html#writeEmptyElement(java.lang.String,%20java.lang.String,%20java.lang.String))([String](http://docs.google.com/java/lang/String.html) prefix, [String](http://docs.google.com/java/lang/String.html) localName, [String](http://docs.google.com/java/lang/String.html) namespaceURI)            Writes an empty element tag to the output |
| void | [**writeEndDocument**](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html#writeEndDocument())()            Closes any start tags and writes corresponding end tags. |
| void | [**writeEndElement**](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html#writeEndElement())()            Writes an end tag to the output relying on the internal state of the writer to determine the prefix and local name of the event. |
| void | [**writeEntityRef**](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html#writeEntityRef(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Writes an entity reference |
| void | [**writeNamespace**](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html#writeNamespace(java.lang.String,%20java.lang.String))([String](http://docs.google.com/java/lang/String.html) prefix, [String](http://docs.google.com/java/lang/String.html) namespaceURI)            Writes a namespace to the output stream If the prefix argument to this method is the empty string, "xmlns", or null this method will delegate to writeDefaultNamespace |
| void | [**writeProcessingInstruction**](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html#writeProcessingInstruction(java.lang.String))([String](http://docs.google.com/java/lang/String.html) target)            Writes a processing instruction |
| void | [**writeProcessingInstruction**](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html#writeProcessingInstruction(java.lang.String,%20java.lang.String))([String](http://docs.google.com/java/lang/String.html) target, [String](http://docs.google.com/java/lang/String.html) data)            Writes a processing instruction |
| void | [**writeStartDocument**](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html#writeStartDocument())()            Write the XML Declaration. |
| void | [**writeStartDocument**](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html#writeStartDocument(java.lang.String))([String](http://docs.google.com/java/lang/String.html) version)            Write the XML Declaration. |
| void | [**writeStartDocument**](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html#writeStartDocument(java.lang.String,%20java.lang.String))([String](http://docs.google.com/java/lang/String.html) encoding, [String](http://docs.google.com/java/lang/String.html) version)            Write the XML Declaration. |
| void | [**writeStartElement**](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html#writeStartElement(java.lang.String))([String](http://docs.google.com/java/lang/String.html) localName)            Writes a start tag to the output. |
| void | [**writeStartElement**](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html#writeStartElement(java.lang.String,%20java.lang.String))([String](http://docs.google.com/java/lang/String.html) namespaceURI, [String](http://docs.google.com/java/lang/String.html) localName)            Writes a start tag to the output |
| void | [**writeStartElement**](http://docs.google.com/javax/xml/stream/XMLStreamWriter.html#writeStartElement(java.lang.String,%20java.lang.String,%20java.lang.String))([String](http://docs.google.com/java/lang/String.html) prefix, [String](http://docs.google.com/java/lang/String.html) localName, [String](http://docs.google.com/java/lang/String.html) namespaceURI)            Writes a start tag to the output |

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

### writeStartElement

void **writeStartElement**([String](http://docs.google.com/java/lang/String.html) localName)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Writes a start tag to the output. All writeStartElement methods open a new scope in the internal namespace context. Writing the corresponding EndElement causes the scope to be closed.

**Parameters:**localName - local name of the tag, may not be null **Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

### writeStartElement

void **writeStartElement**([String](http://docs.google.com/java/lang/String.html) namespaceURI,  
 [String](http://docs.google.com/java/lang/String.html) localName)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Writes a start tag to the output

**Parameters:**namespaceURI - the namespaceURI of the prefix to use, may not be nulllocalName - local name of the tag, may not be null **Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html) - if the namespace URI has not been bound to a prefix and javax.xml.stream.isRepairingNamespaces has not been set to true

### writeStartElement

void **writeStartElement**([String](http://docs.google.com/java/lang/String.html) prefix,  
 [String](http://docs.google.com/java/lang/String.html) localName,  
 [String](http://docs.google.com/java/lang/String.html) namespaceURI)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Writes a start tag to the output

**Parameters:**localName - local name of the tag, may not be nullprefix - the prefix of the tag, may not be nullnamespaceURI - the uri to bind the prefix to, may not be null **Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

### writeEmptyElement

void **writeEmptyElement**([String](http://docs.google.com/java/lang/String.html) namespaceURI,  
 [String](http://docs.google.com/java/lang/String.html) localName)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Writes an empty element tag to the output

**Parameters:**namespaceURI - the uri to bind the tag to, may not be nulllocalName - local name of the tag, may not be null **Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html) - if the namespace URI has not been bound to a prefix and javax.xml.stream.isRepairingNamespaces has not been set to true

### writeEmptyElement

void **writeEmptyElement**([String](http://docs.google.com/java/lang/String.html) prefix,  
 [String](http://docs.google.com/java/lang/String.html) localName,  
 [String](http://docs.google.com/java/lang/String.html) namespaceURI)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Writes an empty element tag to the output

**Parameters:**prefix - the prefix of the tag, may not be nulllocalName - local name of the tag, may not be nullnamespaceURI - the uri to bind the tag to, may not be null **Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

### writeEmptyElement

void **writeEmptyElement**([String](http://docs.google.com/java/lang/String.html) localName)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Writes an empty element tag to the output

**Parameters:**localName - local name of the tag, may not be null **Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

### writeEndElement

void **writeEndElement**()  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Writes an end tag to the output relying on the internal state of the writer to determine the prefix and local name of the event.

**Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

### writeEndDocument

void **writeEndDocument**()  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Closes any start tags and writes corresponding end tags.

**Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

### close

void **close**()  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Close this writer and free any resources associated with the writer. This must not close the underlying output stream.

**Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

### flush

void **flush**()  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Write any cached data to the underlying output mechanism.

**Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

### writeAttribute

void **writeAttribute**([String](http://docs.google.com/java/lang/String.html) localName,  
 [String](http://docs.google.com/java/lang/String.html) value)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Writes an attribute to the output stream without a prefix.

**Parameters:**localName - the local name of the attributevalue - the value of the attribute **Throws:** [IllegalStateException](http://docs.google.com/java/lang/IllegalStateException.html) - if the current state does not allow Attribute writing [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

### writeAttribute

void **writeAttribute**([String](http://docs.google.com/java/lang/String.html) prefix,  
 [String](http://docs.google.com/java/lang/String.html) namespaceURI,  
 [String](http://docs.google.com/java/lang/String.html) localName,  
 [String](http://docs.google.com/java/lang/String.html) value)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Writes an attribute to the output stream

**Parameters:**prefix - the prefix for this attributenamespaceURI - the uri of the prefix for this attributelocalName - the local name of the attributevalue - the value of the attribute **Throws:** [IllegalStateException](http://docs.google.com/java/lang/IllegalStateException.html) - if the current state does not allow Attribute writing [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html) - if the namespace URI has not been bound to a prefix and javax.xml.stream.isRepairingNamespaces has not been set to true

### writeAttribute

void **writeAttribute**([String](http://docs.google.com/java/lang/String.html) namespaceURI,  
 [String](http://docs.google.com/java/lang/String.html) localName,  
 [String](http://docs.google.com/java/lang/String.html) value)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Writes an attribute to the output stream

**Parameters:**namespaceURI - the uri of the prefix for this attributelocalName - the local name of the attributevalue - the value of the attribute **Throws:** [IllegalStateException](http://docs.google.com/java/lang/IllegalStateException.html) - if the current state does not allow Attribute writing [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html) - if the namespace URI has not been bound to a prefix and javax.xml.stream.isRepairingNamespaces has not been set to true

### writeNamespace

void **writeNamespace**([String](http://docs.google.com/java/lang/String.html) prefix,  
 [String](http://docs.google.com/java/lang/String.html) namespaceURI)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Writes a namespace to the output stream If the prefix argument to this method is the empty string, "xmlns", or null this method will delegate to writeDefaultNamespace

**Parameters:**prefix - the prefix to bind this namespace tonamespaceURI - the uri to bind the prefix to **Throws:** [IllegalStateException](http://docs.google.com/java/lang/IllegalStateException.html) - if the current state does not allow Namespace writing [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

### writeDefaultNamespace

void **writeDefaultNamespace**([String](http://docs.google.com/java/lang/String.html) namespaceURI)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Writes the default namespace to the stream

**Parameters:**namespaceURI - the uri to bind the default namespace to **Throws:** [IllegalStateException](http://docs.google.com/java/lang/IllegalStateException.html) - if the current state does not allow Namespace writing [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

### writeComment

void **writeComment**([String](http://docs.google.com/java/lang/String.html) data)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Writes an xml comment with the data enclosed

**Parameters:**data - the data contained in the comment, may be null **Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

### writeProcessingInstruction

void **writeProcessingInstruction**([String](http://docs.google.com/java/lang/String.html) target)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Writes a processing instruction

**Parameters:**target - the target of the processing instruction, may not be null **Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

### writeProcessingInstruction

void **writeProcessingInstruction**([String](http://docs.google.com/java/lang/String.html) target,  
 [String](http://docs.google.com/java/lang/String.html) data)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Writes a processing instruction

**Parameters:**target - the target of the processing instruction, may not be nulldata - the data contained in the processing instruction, may not be null **Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

### writeCData

void **writeCData**([String](http://docs.google.com/java/lang/String.html) data)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Writes a CData section

**Parameters:**data - the data contained in the CData Section, may not be null **Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

### writeDTD

void **writeDTD**([String](http://docs.google.com/java/lang/String.html) dtd)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Write a DTD section. This string represents the entire doctypedecl production from the XML 1.0 specification.

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

### writeEntityRef

void **writeEntityRef**([String](http://docs.google.com/java/lang/String.html) name)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Writes an entity reference

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

### writeStartDocument

void **writeStartDocument**()  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Write the XML Declaration. Defaults the XML version to 1.0, and the encoding to utf-8

**Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

### writeStartDocument

void **writeStartDocument**([String](http://docs.google.com/java/lang/String.html) version)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Write the XML Declaration. Defaults the XML version to 1.0

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

### writeStartDocument

void **writeStartDocument**([String](http://docs.google.com/java/lang/String.html) encoding,  
 [String](http://docs.google.com/java/lang/String.html) version)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Write the XML Declaration. Note that the encoding parameter does not set the actual encoding of the underlying output. That must be set when the instance of the XMLStreamWriter is created using the XMLOutputFactory

**Parameters:**encoding - encoding of the xml declarationversion - version of the xml document **Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html) - If given encoding does not match encoding of the underlying stream

### writeCharacters

void **writeCharacters**([String](http://docs.google.com/java/lang/String.html) text)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Write text to the output

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

### writeCharacters

void **writeCharacters**(char[] text,  
 int start,  
 int len)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Write text to the output

**Parameters:**text - the value to writestart - the starting position in the arraylen - the number of characters to write **Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

### getPrefix

[String](http://docs.google.com/java/lang/String.html) **getPrefix**([String](http://docs.google.com/java/lang/String.html) uri)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Gets the prefix the uri is bound to

**Returns:**the prefix or null **Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

### setPrefix

void **setPrefix**([String](http://docs.google.com/java/lang/String.html) prefix,  
 [String](http://docs.google.com/java/lang/String.html) uri)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Sets the prefix the uri is bound to. This prefix is bound in the scope of the current START\_ELEMENT / END\_ELEMENT pair. If this method is called before a START\_ELEMENT has been written the prefix is bound in the root scope.

**Parameters:**prefix - the prefix to bind to the uri, may not be nulluri - the uri to bind to the prefix, may be null **Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

### setDefaultNamespace

void **setDefaultNamespace**([String](http://docs.google.com/java/lang/String.html) uri)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Binds a URI to the default namespace This URI is bound in the scope of the current START\_ELEMENT / END\_ELEMENT pair. If this method is called before a START\_ELEMENT has been written the uri is bound in the root scope.

**Parameters:**uri - the uri to bind to the default namespace, may be null **Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

### setNamespaceContext

void **setNamespaceContext**([NamespaceContext](http://docs.google.com/javax/xml/namespace/NamespaceContext.html) context)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Sets the current namespace context for prefix and uri bindings. This context becomes the root namespace context for writing and will replace the current root namespace context. Subsequent calls to setPrefix and setDefaultNamespace will bind namespaces using the context passed to the method as the root context for resolving namespaces. This method may only be called once at the start of the document. It does not cause the namespaces to be declared. If a namespace URI to prefix mapping is found in the namespace context it is treated as declared and the prefix may be used by the StreamWriter.

**Parameters:**context - the namespace context to use for this writer, may not be null **Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

### getNamespaceContext

[NamespaceContext](http://docs.google.com/javax/xml/namespace/NamespaceContext.html) **getNamespaceContext**()

Returns the current namespace context.

**Returns:**the current NamespaceContext

### getProperty

[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 [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if the name is null

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

[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.

Copyright 2006 Sun Microsystems, Inc. All rights reserved. Use is subject to [license terms](http://docs.google.com/legal/license.html). Also see the [documentation redistribution policy](http://java.sun.com/docs/redist.html).