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

## **javax.xml.stream**

Interface XMLEventReader

**All Superinterfaces:** [Iterator](http://docs.google.com/java/util/Iterator.html) **All Known Implementing Classes:** [EventReaderDelegate](http://docs.google.com/javax/xml/stream/util/EventReaderDelegate.html)

public interface **XMLEventReader**extends [Iterator](http://docs.google.com/java/util/Iterator.html)

This is the top level interface for parsing XML Events. It provides the ability to peek at the next event and returns configuration information through the property interface.

**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)

| **Method Summary** | |
| --- | --- |
| void | [**close**](http://docs.google.com/javax/xml/stream/XMLEventReader.html#close())()            Frees any resources associated with this Reader. |
| [String](http://docs.google.com/java/lang/String.html) | [**getElementText**](http://docs.google.com/javax/xml/stream/XMLEventReader.html#getElementText())()            Reads the content of a text-only element. |
| [Object](http://docs.google.com/java/lang/Object.html) | [**getProperty**](http://docs.google.com/javax/xml/stream/XMLEventReader.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 |
| boolean | [**hasNext**](http://docs.google.com/javax/xml/stream/XMLEventReader.html#hasNext())()            Check if there are more events. |
| [XMLEvent](http://docs.google.com/javax/xml/stream/events/XMLEvent.html) | [**nextEvent**](http://docs.google.com/javax/xml/stream/XMLEventReader.html#nextEvent())()            Get the next XMLEvent |
| [XMLEvent](http://docs.google.com/javax/xml/stream/events/XMLEvent.html) | [**nextTag**](http://docs.google.com/javax/xml/stream/XMLEventReader.html#nextTag())()            Skips any insignificant space events until a START\_ELEMENT or END\_ELEMENT is reached. |
| [XMLEvent](http://docs.google.com/javax/xml/stream/events/XMLEvent.html) | [**peek**](http://docs.google.com/javax/xml/stream/XMLEventReader.html#peek())()            Check the next XMLEvent without reading it from the stream. |

| **Methods inherited from interface java.util.**[**Iterator**](http://docs.google.com/java/util/Iterator.html) |
| --- |
| [next](http://docs.google.com/java/util/Iterator.html#next()), [remove](http://docs.google.com/java/util/Iterator.html#remove()) |

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

### nextEvent

[XMLEvent](http://docs.google.com/javax/xml/stream/events/XMLEvent.html) **nextEvent**()  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Get the next XMLEvent

**Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html) - if there is an error with the underlying XML. NoSuchElementException - iteration has no more elements.**See Also:**[XMLEvent](http://docs.google.com/javax/xml/stream/events/XMLEvent.html)

### hasNext

boolean **hasNext**()

Check if there are more events. Returns true if there are more events and false otherwise.

**Specified by:**[hasNext](http://docs.google.com/java/util/Iterator.html#hasNext()) in interface [Iterator](http://docs.google.com/java/util/Iterator.html) **Returns:**true if the event reader has more events, false otherwise

### peek

[XMLEvent](http://docs.google.com/javax/xml/stream/events/XMLEvent.html) **peek**()  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Check the next XMLEvent without reading it from the stream. Returns null if the stream is at EOF or has no more XMLEvents. A call to peek() will be equal to the next return of next().

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

### getElementText

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

Reads the content of a text-only element. Precondition: the current event is START\_ELEMENT. Postcondition: The current event is the corresponding END\_ELEMENT.

**Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html) - if the current event is not a START\_ELEMENT or if a non text element is encountered

### nextTag

[XMLEvent](http://docs.google.com/javax/xml/stream/events/XMLEvent.html) **nextTag**()  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

Skips any insignificant space events until a START\_ELEMENT or END\_ELEMENT is reached. If anything other than space characters are encountered, an exception is thrown. This method should be used when processing element-only content because the parser is not able to recognize ignorable whitespace if the DTD is missing or not interpreted.

**Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html) - if anything other than space characters are encountered

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

### close

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

Frees any resources associated with this Reader. This method does not close the underlying input source.

**Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html) - if there are errors freeing associated resources

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

[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).