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

## **javax.xml.stream.util**

Interface XMLEventAllocator

public interface **XMLEventAllocator**

This interface defines a class that allows a user to register a way to allocate events given an XMLStreamReader. An implementation is not required to use the XMLEventFactory implementation but this is recommended. The XMLEventAllocator can be set on an XMLInputFactory using the property "javax.xml.stream.allocator"

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

| **Method Summary** | |
| --- | --- |
| [XMLEvent](http://docs.google.com/javax/xml/stream/events/XMLEvent.html) | [**allocate**](http://docs.google.com/javax/xml/stream/util/XMLEventAllocator.html#allocate(javax.xml.stream.XMLStreamReader))([XMLStreamReader](http://docs.google.com/javax/xml/stream/XMLStreamReader.html) reader)            This method allocates an event given the current state of the XMLStreamReader. |
| void | [**allocate**](http://docs.google.com/javax/xml/stream/util/XMLEventAllocator.html#allocate(javax.xml.stream.XMLStreamReader,%20javax.xml.stream.util.XMLEventConsumer))([XMLStreamReader](http://docs.google.com/javax/xml/stream/XMLStreamReader.html) reader, [XMLEventConsumer](http://docs.google.com/javax/xml/stream/util/XMLEventConsumer.html) consumer)            This method allocates an event or set of events given the current state of the XMLStreamReader and adds the event or set of events to the consumer that was passed in. |
| [XMLEventAllocator](http://docs.google.com/javax/xml/stream/util/XMLEventAllocator.html) | [**newInstance**](http://docs.google.com/javax/xml/stream/util/XMLEventAllocator.html#newInstance())()            This method creates an instance of the XMLEventAllocator. |

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

### newInstance

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

This method creates an instance of the XMLEventAllocator. This allows the XMLInputFactory to allocate a new instance per reader.

### allocate

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

This method allocates an event given the current state of the XMLStreamReader. If this XMLEventAllocator does not have a one-to-one mapping between reader states and events this method will return null. This method must not modify the state of the XMLStreamReader.

**Parameters:**reader - The XMLStreamReader to allocate from **Returns:**the event corresponding to the current reader state **Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

### allocate

void **allocate**([XMLStreamReader](http://docs.google.com/javax/xml/stream/XMLStreamReader.html) reader,  
 [XMLEventConsumer](http://docs.google.com/javax/xml/stream/util/XMLEventConsumer.html) consumer)  
 throws [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

This method allocates an event or set of events given the current state of the XMLStreamReader and adds the event or set of events to the consumer that was passed in. This method can be used to expand or contract reader states into event states. This method may modify the state of the XMLStreamReader.

**Parameters:**reader - The XMLStreamReader to allocate fromconsumer - The XMLEventConsumer to add to. **Throws:** [XMLStreamException](http://docs.google.com/javax/xml/stream/XMLStreamException.html)

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/XMLEventAllocator.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/util/StreamReaderDelegate.html)   [**NEXT CLASS**](http://docs.google.com/javax/xml/stream/util/XMLEventConsumer.html) | [**FRAMES**](http://docs.google.com/index.html?javax/xml/stream/util/XMLEventAllocator.html)    [**NO FRAMES**](http://docs.google.com/XMLEventAllocator.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.

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