| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/LocatorImpl.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/org/xml/sax/helpers/DefaultHandler.html)   [**NEXT CLASS**](http://docs.google.com/org/xml/sax/helpers/NamespaceSupport.html) | [**FRAMES**](http://docs.google.com/index.html?org/xml/sax/helpers/LocatorImpl.html)    [**NO FRAMES**](http://docs.google.com/LocatorImpl.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#2s8eyo1) |

## **org.xml.sax.helpers**

Class LocatorImpl

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **org.xml.sax.helpers.LocatorImpl**

**All Implemented Interfaces:** [Locator](http://docs.google.com/org/xml/sax/Locator.html) **Direct Known Subclasses:** [Locator2Impl](http://docs.google.com/org/xml/sax/ext/Locator2Impl.html)

public class **LocatorImpl**extends [Object](http://docs.google.com/java/lang/Object.html)implements [Locator](http://docs.google.com/org/xml/sax/Locator.html)

Provide an optional convenience implementation of Locator.

*This module, both source code and documentation, is in the Public Domain, and comes with* ***NO WARRANTY****.* See <http://www.saxproject.org> for further information.

This class is available mainly for application writers, who can use it to make a persistent snapshot of a locator at any point during a document parse:

Locator locator;  
 Locator startloc;  
  
 public void setLocator (Locator locator)  
 {  
 // note the locator  
 this.locator = locator;  
 }  
  
 public void startDocument ()  
 {  
 // save the location of the start of the document  
 // for future use.  
 Locator startloc = new LocatorImpl(locator);  
 }

Normally, parser writers will not use this class, since it is more efficient to provide location information only when requested, rather than constantly updating a Locator object.

**Since:** SAX 1.0 **See Also:**[Locator](http://docs.google.com/org/xml/sax/Locator.html)

| **Constructor Summary** | |
| --- | --- |
| [**LocatorImpl**](http://docs.google.com/org/xml/sax/helpers/LocatorImpl.html#LocatorImpl())()            Zero-argument constructor. |
| [**LocatorImpl**](http://docs.google.com/org/xml/sax/helpers/LocatorImpl.html#LocatorImpl(org.xml.sax.Locator))([Locator](http://docs.google.com/org/xml/sax/Locator.html) locator)            Copy constructor. |

| **Method Summary** | |
| --- | --- |
| int | [**getColumnNumber**](http://docs.google.com/org/xml/sax/helpers/LocatorImpl.html#getColumnNumber())()            Return the saved column number (1-based). |
| int | [**getLineNumber**](http://docs.google.com/org/xml/sax/helpers/LocatorImpl.html#getLineNumber())()            Return the saved line number (1-based). |
| [String](http://docs.google.com/java/lang/String.html) | [**getPublicId**](http://docs.google.com/org/xml/sax/helpers/LocatorImpl.html#getPublicId())()            Return the saved public identifier. |
| [String](http://docs.google.com/java/lang/String.html) | [**getSystemId**](http://docs.google.com/org/xml/sax/helpers/LocatorImpl.html#getSystemId())()            Return the saved system identifier. |
| void | [**setColumnNumber**](http://docs.google.com/org/xml/sax/helpers/LocatorImpl.html#setColumnNumber(int))(int columnNumber)            Set the column number for this locator (1-based). |
| void | [**setLineNumber**](http://docs.google.com/org/xml/sax/helpers/LocatorImpl.html#setLineNumber(int))(int lineNumber)            Set the line number for this locator (1-based). |
| void | [**setPublicId**](http://docs.google.com/org/xml/sax/helpers/LocatorImpl.html#setPublicId(java.lang.String))([String](http://docs.google.com/java/lang/String.html) publicId)            Set the public identifier for this locator. |
| void | [**setSystemId**](http://docs.google.com/org/xml/sax/helpers/LocatorImpl.html#setSystemId(java.lang.String))([String](http://docs.google.com/java/lang/String.html) systemId)            Set the system identifier for this locator. |

| **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)) |

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

### LocatorImpl

public **LocatorImpl**()

Zero-argument constructor.

This will not normally be useful, since the main purpose of this class is to make a snapshot of an existing Locator.

### LocatorImpl

public **LocatorImpl**([Locator](http://docs.google.com/org/xml/sax/Locator.html) locator)

Copy constructor.

Create a persistent copy of the current state of a locator. When the original locator changes, this copy will still keep the original values (and it can be used outside the scope of DocumentHandler methods).

**Parameters:**locator - The locator to copy.

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

### getPublicId

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

Return the saved public identifier.

**Specified by:**[getPublicId](http://docs.google.com/org/xml/sax/Locator.html#getPublicId()) in interface [Locator](http://docs.google.com/org/xml/sax/Locator.html) **Returns:**The public identifier as a string, or null if none is available.**See Also:**[Locator.getPublicId()](http://docs.google.com/org/xml/sax/Locator.html#getPublicId()), [setPublicId(java.lang.String)](http://docs.google.com/org/xml/sax/helpers/LocatorImpl.html#setPublicId(java.lang.String))

### getSystemId

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

Return the saved system identifier.

**Specified by:**[getSystemId](http://docs.google.com/org/xml/sax/Locator.html#getSystemId()) in interface [Locator](http://docs.google.com/org/xml/sax/Locator.html) **Returns:**The system identifier as a string, or null if none is available.**See Also:**[Locator.getSystemId()](http://docs.google.com/org/xml/sax/Locator.html#getSystemId()), [setSystemId(java.lang.String)](http://docs.google.com/org/xml/sax/helpers/LocatorImpl.html#setSystemId(java.lang.String))

### getLineNumber

public int **getLineNumber**()

Return the saved line number (1-based).

**Specified by:**[getLineNumber](http://docs.google.com/org/xml/sax/Locator.html#getLineNumber()) in interface [Locator](http://docs.google.com/org/xml/sax/Locator.html) **Returns:**The line number as an integer, or -1 if none is available.**See Also:**[Locator.getLineNumber()](http://docs.google.com/org/xml/sax/Locator.html#getLineNumber()), [setLineNumber(int)](http://docs.google.com/org/xml/sax/helpers/LocatorImpl.html#setLineNumber(int))

### getColumnNumber

public int **getColumnNumber**()

Return the saved column number (1-based).

**Specified by:**[getColumnNumber](http://docs.google.com/org/xml/sax/Locator.html#getColumnNumber()) in interface [Locator](http://docs.google.com/org/xml/sax/Locator.html) **Returns:**The column number as an integer, or -1 if none is available.**See Also:**[Locator.getColumnNumber()](http://docs.google.com/org/xml/sax/Locator.html#getColumnNumber()), [setColumnNumber(int)](http://docs.google.com/org/xml/sax/helpers/LocatorImpl.html#setColumnNumber(int))

### setPublicId

public void **setPublicId**([String](http://docs.google.com/java/lang/String.html) publicId)

Set the public identifier for this locator.

**Parameters:**publicId - The new public identifier, or null if none is available.**See Also:**[getPublicId()](http://docs.google.com/org/xml/sax/helpers/LocatorImpl.html#getPublicId())

### setSystemId

public void **setSystemId**([String](http://docs.google.com/java/lang/String.html) systemId)

Set the system identifier for this locator.

**Parameters:**systemId - The new system identifier, or null if none is available.**See Also:**[getSystemId()](http://docs.google.com/org/xml/sax/helpers/LocatorImpl.html#getSystemId())

### setLineNumber

public void **setLineNumber**(int lineNumber)

Set the line number for this locator (1-based).

**Parameters:**lineNumber - The line number, or -1 if none is available.**See Also:**[getLineNumber()](http://docs.google.com/org/xml/sax/helpers/LocatorImpl.html#getLineNumber())

### setColumnNumber

public void **setColumnNumber**(int columnNumber)

Set the column number for this locator (1-based).

**Parameters:**columnNumber - The column number, or -1 if none is available.**See Also:**[getColumnNumber()](http://docs.google.com/org/xml/sax/helpers/LocatorImpl.html#getColumnNumber())

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/LocatorImpl.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/org/xml/sax/helpers/DefaultHandler.html)   [**NEXT CLASS**](http://docs.google.com/org/xml/sax/helpers/NamespaceSupport.html) | [**FRAMES**](http://docs.google.com/index.html?org/xml/sax/helpers/LocatorImpl.html)    [**NO FRAMES**](http://docs.google.com/LocatorImpl.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#2s8eyo1) |

[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).