| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/XMLDecoder.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/java/beans/Visibility.html)   [**NEXT CLASS**](http://docs.google.com/java/beans/XMLEncoder.html) | [**FRAMES**](http://docs.google.com/index.html?java/beans/XMLDecoder.html)    [**NO FRAMES**](http://docs.google.com/XMLDecoder.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#3rdcrjn) |

## **java.beans**

Class XMLDecoder

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **java.beans.XMLDecoder**

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

The XMLDecoder class is used to read XML documents created using the XMLEncoder and is used just like the ObjectInputStream. For example, one can use the following fragment to read the first object defined in an XML document written by the XMLEncoder class:

XMLDecoder d = new XMLDecoder(  
 new BufferedInputStream(  
 new FileInputStream("Test.xml")));  
 Object result = d.readObject();  
 d.close();

For more information you might also want to check out [Long Term Persistence of JavaBeans Components: XML Schema](http://java.sun.com/products/jfc/tsc/articles/persistence3), an article in *The Swing Connection.*

**Since:** 1.4 **See Also:**[XMLEncoder](http://docs.google.com/java/beans/XMLEncoder.html), [ObjectInputStream](http://docs.google.com/java/io/ObjectInputStream.html)

| **Constructor Summary** | |
| --- | --- |
| [**XMLDecoder**](http://docs.google.com/java/beans/XMLDecoder.html#XMLDecoder(java.io.InputStream))([InputStream](http://docs.google.com/java/io/InputStream.html) in)            Creates a new input stream for reading archives created by the XMLEncoder class. |
| [**XMLDecoder**](http://docs.google.com/java/beans/XMLDecoder.html#XMLDecoder(java.io.InputStream,%20java.lang.Object))([InputStream](http://docs.google.com/java/io/InputStream.html) in, [Object](http://docs.google.com/java/lang/Object.html) owner)            Creates a new input stream for reading archives created by the XMLEncoder class. |
| [**XMLDecoder**](http://docs.google.com/java/beans/XMLDecoder.html#XMLDecoder(java.io.InputStream,%20java.lang.Object,%20java.beans.ExceptionListener))([InputStream](http://docs.google.com/java/io/InputStream.html) in, [Object](http://docs.google.com/java/lang/Object.html) owner, [ExceptionListener](http://docs.google.com/java/beans/ExceptionListener.html) exceptionListener)            Creates a new input stream for reading archives created by the XMLEncoder class. |
| [**XMLDecoder**](http://docs.google.com/java/beans/XMLDecoder.html#XMLDecoder(java.io.InputStream,%20java.lang.Object,%20java.beans.ExceptionListener,%20java.lang.ClassLoader))([InputStream](http://docs.google.com/java/io/InputStream.html) in, [Object](http://docs.google.com/java/lang/Object.html) owner, [ExceptionListener](http://docs.google.com/java/beans/ExceptionListener.html) exceptionListener, [ClassLoader](http://docs.google.com/java/lang/ClassLoader.html) cl)            Creates a new input stream for reading archives created by the XMLEncoder class. |

| **Method Summary** | |
| --- | --- |
| void | [**close**](http://docs.google.com/java/beans/XMLDecoder.html#close())()            This method closes the input stream associated with this stream. |
| [ExceptionListener](http://docs.google.com/java/beans/ExceptionListener.html) | [**getExceptionListener**](http://docs.google.com/java/beans/XMLDecoder.html#getExceptionListener())()            Gets the exception handler for this stream. |
| [Object](http://docs.google.com/java/lang/Object.html) | [**getOwner**](http://docs.google.com/java/beans/XMLDecoder.html#getOwner())()            Gets the owner of this decoder. |
| [Object](http://docs.google.com/java/lang/Object.html) | [**readObject**](http://docs.google.com/java/beans/XMLDecoder.html#readObject())()            Reads the next object from the underlying input stream. |
| void | [**setExceptionListener**](http://docs.google.com/java/beans/XMLDecoder.html#setExceptionListener(java.beans.ExceptionListener))([ExceptionListener](http://docs.google.com/java/beans/ExceptionListener.html) exceptionListener)            Sets the exception handler for this stream to exceptionListener. |
| void | [**setOwner**](http://docs.google.com/java/beans/XMLDecoder.html#setOwner(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) owner)            Sets the owner of this decoder to owner. |

| **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** |
| --- |

### XMLDecoder

public **XMLDecoder**([InputStream](http://docs.google.com/java/io/InputStream.html) in)

Creates a new input stream for reading archives created by the XMLEncoder class.

**Parameters:**in - The underlying stream.**See Also:**[XMLEncoder.XMLEncoder(java.io.OutputStream)](http://docs.google.com/java/beans/XMLEncoder.html#XMLEncoder(java.io.OutputStream))

### XMLDecoder

public **XMLDecoder**([InputStream](http://docs.google.com/java/io/InputStream.html) in,  
 [Object](http://docs.google.com/java/lang/Object.html) owner)

Creates a new input stream for reading archives created by the XMLEncoder class.

**Parameters:**in - The underlying stream.owner - The owner of this stream.

### XMLDecoder

public **XMLDecoder**([InputStream](http://docs.google.com/java/io/InputStream.html) in,  
 [Object](http://docs.google.com/java/lang/Object.html) owner,  
 [ExceptionListener](http://docs.google.com/java/beans/ExceptionListener.html) exceptionListener)

Creates a new input stream for reading archives created by the XMLEncoder class.

**Parameters:**in - the underlying stream.owner - the owner of this stream.exceptionListener - the exception handler for the stream; if null the default exception listener will be used.

### XMLDecoder

public **XMLDecoder**([InputStream](http://docs.google.com/java/io/InputStream.html) in,  
 [Object](http://docs.google.com/java/lang/Object.html) owner,  
 [ExceptionListener](http://docs.google.com/java/beans/ExceptionListener.html) exceptionListener,  
 [ClassLoader](http://docs.google.com/java/lang/ClassLoader.html) cl)

Creates a new input stream for reading archives created by the XMLEncoder class.

**Parameters:**in - the underlying stream. null may be passed without error, though the resulting XMLDecoder will be uselessowner - the owner of this stream. null is a legal valueexceptionListener - the exception handler for the stream, or null to use the defaultcl - the class loader used for instantiating objects. null indicates that the default class loader should be used**Since:** 1.5

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

### close

public void **close**()

This method closes the input stream associated with this stream.

### setExceptionListener

public void **setExceptionListener**([ExceptionListener](http://docs.google.com/java/beans/ExceptionListener.html) exceptionListener)

Sets the exception handler for this stream to exceptionListener. The exception handler is notified when this stream catches recoverable exceptions.

**Parameters:**exceptionListener - The exception handler for this stream; if null the default exception listener will be used.**See Also:**[getExceptionListener()](http://docs.google.com/java/beans/XMLDecoder.html#getExceptionListener())

### getExceptionListener

public [ExceptionListener](http://docs.google.com/java/beans/ExceptionListener.html) **getExceptionListener**()

Gets the exception handler for this stream.

**Returns:**The exception handler for this stream. Will return the default exception listener if this has not explicitly been set.**See Also:**[setExceptionListener(java.beans.ExceptionListener)](http://docs.google.com/java/beans/XMLDecoder.html#setExceptionListener(java.beans.ExceptionListener))

### readObject

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

Reads the next object from the underlying input stream.

**Returns:**the next object read **Throws:** [ArrayIndexOutOfBoundsException](http://docs.google.com/java/lang/ArrayIndexOutOfBoundsException.html) - if the stream contains no objects (or no more objects)**See Also:**[XMLEncoder.writeObject(java.lang.Object)](http://docs.google.com/java/beans/XMLEncoder.html#writeObject(java.lang.Object))

### setOwner

public void **setOwner**([Object](http://docs.google.com/java/lang/Object.html) owner)

Sets the owner of this decoder to owner.

**Parameters:**owner - The owner of this decoder.**See Also:**[getOwner()](http://docs.google.com/java/beans/XMLDecoder.html#getOwner())

### getOwner

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

Gets the owner of this decoder.

**Returns:**The owner of this decoder.**See Also:**[setOwner(java.lang.Object)](http://docs.google.com/java/beans/XMLDecoder.html#setOwner(java.lang.Object))

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/XMLDecoder.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/java/beans/Visibility.html)   [**NEXT CLASS**](http://docs.google.com/java/beans/XMLEncoder.html) | [**FRAMES**](http://docs.google.com/index.html?java/beans/XMLDecoder.html)    [**NO FRAMES**](http://docs.google.com/XMLDecoder.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [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.

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).