| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ContentHandler.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/net/ConnectException.html)   [**NEXT CLASS**](http://docs.google.com/java/net/ContentHandlerFactory.html) | [**FRAMES**](http://docs.google.com/index.html?java/net/ContentHandler.html)    [**NO FRAMES**](http://docs.google.com/ContentHandler.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

## **java.net**

Class ContentHandler

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

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

The abstract class ContentHandler is the superclass of all classes that read an Object from a URLConnection.

An application does not generally call the getContent method in this class directly. Instead, an application calls the getContent method in class URL or in URLConnection. The application's content handler factory (an instance of a class that implements the interface ContentHandlerFactory set up by a call to setContentHandler) is called with a String giving the MIME type of the object being received on the socket. The factory returns an instance of a subclass of ContentHandler, and its getContent method is called to create the object.

If no content handler could be found, URLConnection will look for a content handler in a user-defineable set of places. By default it looks in sun.net.www.content, but users can define a vertical-bar delimited set of class prefixes to search through in addition by defining the java.content.handler.pkgs property. The class name must be of the form:

{package-prefix}.{major}.{minor}  
 e.g.  
 YoyoDyne.experimental.text.plain

If the loading of the content handler class would be performed by a classloader that is outside of the delegation chain of the caller, the JVM will need the RuntimePermission "getClassLoader".

**Since:** JDK1.0 **See Also:**[getContent(java.net.URLConnection)](http://docs.google.com/java/net/ContentHandler.html#getContent(java.net.URLConnection)), [ContentHandlerFactory](http://docs.google.com/java/net/ContentHandlerFactory.html), [URL.getContent()](http://docs.google.com/java/net/URL.html#getContent()), [URLConnection](http://docs.google.com/java/net/URLConnection.html), [URLConnection.getContent()](http://docs.google.com/java/net/URLConnection.html#getContent()), [URLConnection.setContentHandlerFactory(java.net.ContentHandlerFactory)](http://docs.google.com/java/net/URLConnection.html#setContentHandlerFactory(java.net.ContentHandlerFactory))

| **Constructor Summary** | |
| --- | --- |
| [**ContentHandler**](http://docs.google.com/java/net/ContentHandler.html#ContentHandler())() |

| **Method Summary** | |
| --- | --- |
| abstract  [Object](http://docs.google.com/java/lang/Object.html) | [**getContent**](http://docs.google.com/java/net/ContentHandler.html#getContent(java.net.URLConnection))([URLConnection](http://docs.google.com/java/net/URLConnection.html) urlc)            Given a URL connect stream positioned at the beginning of the representation of an object, this method reads that stream and creates an object from it. |
| [Object](http://docs.google.com/java/lang/Object.html) | [**getContent**](http://docs.google.com/java/net/ContentHandler.html#getContent(java.net.URLConnection,%20java.lang.Class%5B%5D))([URLConnection](http://docs.google.com/java/net/URLConnection.html) urlc, [Class](http://docs.google.com/java/lang/Class.html)[] classes)            Given a URL connect stream positioned at the beginning of the representation of an object, this method reads that stream and creates an object that matches one of the types specified. |

| **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** |
| --- |

### ContentHandler

public **ContentHandler**()

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

### getContent

public abstract [Object](http://docs.google.com/java/lang/Object.html) **getContent**([URLConnection](http://docs.google.com/java/net/URLConnection.html) urlc)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Given a URL connect stream positioned at the beginning of the representation of an object, this method reads that stream and creates an object from it.

**Parameters:**urlc - a URL connection. **Returns:**the object read by the ContentHandler. **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if an I/O error occurs while reading the object.

### getContent

public [Object](http://docs.google.com/java/lang/Object.html) **getContent**([URLConnection](http://docs.google.com/java/net/URLConnection.html) urlc,  
 [Class](http://docs.google.com/java/lang/Class.html)[] classes)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

Given a URL connect stream positioned at the beginning of the representation of an object, this method reads that stream and creates an object that matches one of the types specified. The default implementation of this method should call getContent() and screen the return type for a match of the suggested types.

**Parameters:**urlc - a URL connection.classes - an array of types requested **Returns:**the object read by the ContentHandler that is the first match of the suggested types. null if none of the requested are supported. **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - if an I/O error occurs while reading the object.**Since:** 1.3

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ContentHandler.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/net/ConnectException.html)   [**NEXT CLASS**](http://docs.google.com/java/net/ContentHandlerFactory.html) | [**FRAMES**](http://docs.google.com/index.html?java/net/ContentHandler.html)    [**NO FRAMES**](http://docs.google.com/ContentHandler.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

[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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