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

## **javax.activation**

Class URLDataSource

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **javax.activation.URLDataSource**

**All Implemented Interfaces:** [DataSource](http://docs.google.com/javax/activation/DataSource.html)

public class **URLDataSource**extends [Object](http://docs.google.com/java/lang/Object.html)implements [DataSource](http://docs.google.com/javax/activation/DataSource.html)

The URLDataSource class provides an object that wraps a URL object in a DataSource interface. URLDataSource simplifies the handling of data described by URLs within the JavaBeans Activation Framework because this class can be used to create new DataHandlers. *NOTE: The DataHandler object creates a URLDataSource internally, when it is constructed with a URL.*

**Since:** 1.6 **See Also:**[DataSource](http://docs.google.com/javax/activation/DataSource.html), [DataHandler](http://docs.google.com/javax/activation/DataHandler.html)

| **Constructor Summary** | |
| --- | --- |
| [**URLDataSource**](http://docs.google.com/javax/activation/URLDataSource.html#URLDataSource(java.net.URL))([URL](http://docs.google.com/java/net/URL.html) url)            URLDataSource constructor. |

| **Method Summary** | |
| --- | --- |
| [String](http://docs.google.com/java/lang/String.html) | [**getContentType**](http://docs.google.com/javax/activation/URLDataSource.html#getContentType())()            Returns the value of the URL content-type header field. |
| [InputStream](http://docs.google.com/java/io/InputStream.html) | [**getInputStream**](http://docs.google.com/javax/activation/URLDataSource.html#getInputStream())()            The getInputStream method from the URL. |
| [String](http://docs.google.com/java/lang/String.html) | [**getName**](http://docs.google.com/javax/activation/URLDataSource.html#getName())()            Calls the getFile method on the URL used to instantiate the object. |
| [OutputStream](http://docs.google.com/java/io/OutputStream.html) | [**getOutputStream**](http://docs.google.com/javax/activation/URLDataSource.html#getOutputStream())()            The getOutputStream method from the URL. |
| [URL](http://docs.google.com/java/net/URL.html) | [**getURL**](http://docs.google.com/javax/activation/URLDataSource.html#getURL())()            Return the URL used to create this DataSource. |

| **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** |
| --- |

### URLDataSource

public **URLDataSource**([URL](http://docs.google.com/java/net/URL.html) url)

URLDataSource constructor. The URLDataSource class will not open a connection to the URL until a method requiring it to do so is called.

**Parameters:**url - The URL to be encapsulated in this object.

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

### getContentType

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

Returns the value of the URL content-type header field. It calls the URL's URLConnection.getContentType method after retrieving a URLConnection object. *Note: this method attempts to call the openConnection method on the URL. If this method fails, or if a content type is not returned from the URLConnection, getContentType returns "application/octet-stream" as the content type.*

**Specified by:**[getContentType](http://docs.google.com/javax/activation/DataSource.html#getContentType()) in interface [DataSource](http://docs.google.com/javax/activation/DataSource.html) **Returns:**the content type.

### getName

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

Calls the getFile method on the URL used to instantiate the object.

**Specified by:**[getName](http://docs.google.com/javax/activation/DataSource.html#getName()) in interface [DataSource](http://docs.google.com/javax/activation/DataSource.html) **Returns:**the result of calling the URL's getFile method.

### getInputStream

public [InputStream](http://docs.google.com/java/io/InputStream.html) **getInputStream**()  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

The getInputStream method from the URL. Calls the openStream method on the URL.

**Specified by:**[getInputStream](http://docs.google.com/javax/activation/DataSource.html#getInputStream()) in interface [DataSource](http://docs.google.com/javax/activation/DataSource.html) **Returns:**the InputStream. **Throws:** [IOException](http://docs.google.com/java/io/IOException.html)

### getOutputStream

public [OutputStream](http://docs.google.com/java/io/OutputStream.html) **getOutputStream**()  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

The getOutputStream method from the URL. First an attempt is made to get the URLConnection object for the URL. If that succeeds, the getOutputStream method on the URLConnection is returned.

**Specified by:**[getOutputStream](http://docs.google.com/javax/activation/DataSource.html#getOutputStream()) in interface [DataSource](http://docs.google.com/javax/activation/DataSource.html) **Returns:**the OutputStream. **Throws:** [IOException](http://docs.google.com/java/io/IOException.html)

### getURL

public [URL](http://docs.google.com/java/net/URL.html) **getURL**()

Return the URL used to create this DataSource.

**Returns:**The URL.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/URLDataSource.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/activation/UnsupportedDataTypeException.html)   NEXT CLASS | [**FRAMES**](http://docs.google.com/index.html?javax/activation/URLDataSource.html)    [**NO FRAMES**](http://docs.google.com/URLDataSource.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
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[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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