| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/FileDataSource.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/DataSource.html)   [**NEXT CLASS**](http://docs.google.com/javax/activation/FileTypeMap.html) | [**FRAMES**](http://docs.google.com/index.html?javax/activation/FileDataSource.html)    [**NO FRAMES**](http://docs.google.com/FileDataSource.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#2s8eyo1) |

## **javax.activation**

Class FileDataSource

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

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

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

The FileDataSource class implements a simple DataSource object that encapsulates a file. It provides data typing services via a FileTypeMap object.

**FileDataSource Typing Semantics**

The FileDataSource class delegates data typing of files to an object subclassed from the FileTypeMap class. The setFileTypeMap method can be used to explicitly set the FileTypeMap for an instance of FileDataSource. If no FileTypeMap is set, the FileDataSource will call the FileTypeMap's getDefaultFileTypeMap method to get the System's default FileTypeMap.

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

| **Constructor Summary** | |
| --- | --- |
| [**FileDataSource**](http://docs.google.com/javax/activation/FileDataSource.html#FileDataSource(java.io.File))([File](http://docs.google.com/java/io/File.html) file)            Creates a FileDataSource from a File object. |
| [**FileDataSource**](http://docs.google.com/javax/activation/FileDataSource.html#FileDataSource(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Creates a FileDataSource from the specified path name. |

| **Method Summary** | |
| --- | --- |
| [String](http://docs.google.com/java/lang/String.html) | [**getContentType**](http://docs.google.com/javax/activation/FileDataSource.html#getContentType())()            This method returns the MIME type of the data in the form of a string. |
| [File](http://docs.google.com/java/io/File.html) | [**getFile**](http://docs.google.com/javax/activation/FileDataSource.html#getFile())()            Return the File object that corresponds to this FileDataSource. |
| [InputStream](http://docs.google.com/java/io/InputStream.html) | [**getInputStream**](http://docs.google.com/javax/activation/FileDataSource.html#getInputStream())()            This method will return an InputStream representing the the data and will throw an IOException if it can not do so. |
| [String](http://docs.google.com/java/lang/String.html) | [**getName**](http://docs.google.com/javax/activation/FileDataSource.html#getName())()            Return the *name* of this object. |
| [OutputStream](http://docs.google.com/java/io/OutputStream.html) | [**getOutputStream**](http://docs.google.com/javax/activation/FileDataSource.html#getOutputStream())()            This method will return an OutputStream representing the the data and will throw an IOException if it can not do so. |
| void | [**setFileTypeMap**](http://docs.google.com/javax/activation/FileDataSource.html#setFileTypeMap(javax.activation.FileTypeMap))([FileTypeMap](http://docs.google.com/javax/activation/FileTypeMap.html) map)            Set the FileTypeMap to use with this FileDataSource |

| **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** |
| --- |

### FileDataSource

public **FileDataSource**([File](http://docs.google.com/java/io/File.html) file)

Creates a FileDataSource from a File object. *Note: The file will not actually be opened until a method is called that requires the file to be opened.*

**Parameters:**file - the file

### FileDataSource

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

Creates a FileDataSource from the specified path name. *Note: The file will not actually be opened until a method is called that requires the file to be opened.*

**Parameters:**name - the system-dependent file name.

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

### getInputStream

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

This method will return an InputStream representing the the data and will throw an IOException if it can not do so. This method will return a new instance of InputStream with each invocation.

**Specified by:**[getInputStream](http://docs.google.com/javax/activation/DataSource.html#getInputStream()) in interface [DataSource](http://docs.google.com/javax/activation/DataSource.html) **Returns:**an 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)

This method will return an OutputStream representing the the data and will throw an IOException if it can not do so. This method will return a new instance of OutputStream with each invocation.

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

### getContentType

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

This method returns the MIME type of the data in the form of a string. This method uses the currently installed FileTypeMap. If there is no FileTypeMap explictly set, the FileDataSource will call the getDefaultFileTypeMap method on FileTypeMap to acquire a default FileTypeMap. *Note: By default, the FileTypeMap used will be a MimetypesFileTypeMap.*

**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 MIME Type**See Also:**[FileTypeMap.getDefaultFileTypeMap()](http://docs.google.com/javax/activation/FileTypeMap.html#getDefaultFileTypeMap())

### getName

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

Return the *name* of this object. The FileDataSource will return the file name of 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 name of the object.**See Also:**[DataSource](http://docs.google.com/javax/activation/DataSource.html)

### getFile

public [File](http://docs.google.com/java/io/File.html) **getFile**()

Return the File object that corresponds to this FileDataSource.

**Returns:**the File object for the file represented by this object.

### setFileTypeMap

public void **setFileTypeMap**([FileTypeMap](http://docs.google.com/javax/activation/FileTypeMap.html) map)

Set the FileTypeMap to use with this FileDataSource

**Parameters:**map - The FileTypeMap for this 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/FileDataSource.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*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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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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