* [Overview](https://docs.oracle.com/javase/8/docs/api/overview-summary.html)
* [Package](https://docs.oracle.com/javase/8/docs/api/javax/activation/package-summary.html)
* Class
* [Use](https://docs.oracle.com/javase/8/docs/api/javax/activation/class-use/FileDataSource.html)
* [Tree](https://docs.oracle.com/javase/8/docs/api/javax/activation/package-tree.html)
* [Deprecated](https://docs.oracle.com/javase/8/docs/api/deprecated-list.html)
* [Index](https://docs.oracle.com/javase/8/docs/api/index-files/index-1.html)
* [Help](https://docs.oracle.com/javase/8/docs/api/help-doc.html)

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* [**Prev Class**](https://docs.oracle.com/javase/8/docs/api/javax/activation/DataSource.html)
* [**Next Class**](https://docs.oracle.com/javase/8/docs/api/javax/activation/FileTypeMap.html)
* [Frames](https://docs.oracle.com/javase/8/docs/api/index.html?javax/activation/FileDataSource.html)
* [No Frames](https://docs.oracle.com/javase/8/docs/api/javax/activation/FileDataSource.html)
* Summary:
* Nested |
* Field |
* [Constr](https://docs.oracle.com/javase/8/docs/api/javax/activation/FileDataSource.html#constructor.summary) |
* [Method](https://docs.oracle.com/javase/8/docs/api/javax/activation/FileDataSource.html#method.summary)
* Detail:
* Field |
* [Constr](https://docs.oracle.com/javase/8/docs/api/javax/activation/FileDataSource.html#constructor.detail) |
* [Method](https://docs.oracle.com/javase/8/docs/api/javax/activation/FileDataSource.html#method.detail)

javax.activation

**Class FileDataSource**

* [java.lang.Object](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html)
  + javax.activation.FileDataSource
* **All Implemented Interfaces:**

[DataSource](https://docs.oracle.com/javase/8/docs/api/javax/activation/DataSource.html)

public class **FileDataSource**

extends [Object](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html)

implements [DataSource](https://docs.oracle.com/javase/8/docs/api/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](https://docs.oracle.com/javase/8/docs/api/javax/activation/DataSource.html), [FileTypeMap](https://docs.oracle.com/javase/8/docs/api/javax/activation/FileTypeMap.html" \o "class in javax.activation), [MimetypesFileTypeMap](https://docs.oracle.com/javase/8/docs/api/javax/activation/MimetypesFileTypeMap.html" \o "class in javax.activation)

* + ***Constructor Summary***

|  |
| --- |
| **Constructors** |
| **Constructor and Description** |
| [**FileDataSource**](https://docs.oracle.com/javase/8/docs/api/javax/activation/FileDataSource.html#FileDataSource-java.io.File-)([**File**](https://docs.oracle.com/javase/8/docs/api/java/io/File.html) file)  Creates a FileDataSource from a File object. |
| [**FileDataSource**](https://docs.oracle.com/javase/8/docs/api/javax/activation/FileDataSource.html#FileDataSource-java.lang.String-)(**[String](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \o "class in java.lang)** name)  Creates a FileDataSource from the specified path name. |

* + ***Method Summary***

|  |  |
| --- | --- |
| **All Methods**[**Instance Methods**](javascript:show(2);)[**Concrete Methods**](javascript:show(8);) | |
| **Modifier and Type** | **Method and Description** |
| [**String**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | [**getContentType**](https://docs.oracle.com/javase/8/docs/api/javax/activation/FileDataSource.html#getContentType--)()  This method returns the MIME type of the data in the form  of a string. |
| [**File**](https://docs.oracle.com/javase/8/docs/api/java/io/File.html) | [**getFile**](https://docs.oracle.com/javase/8/docs/api/javax/activation/FileDataSource.html#getFile--)()  Return the File object that corresponds to this  FileDataSource. |
| [**InputStream**](https://docs.oracle.com/javase/8/docs/api/java/io/InputStream.html) | [**getInputStream**](https://docs.oracle.com/javase/8/docs/api/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**](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html) | [**getName**](https://docs.oracle.com/javase/8/docs/api/javax/activation/FileDataSource.html#getName--)()  Return the *name* of this object. |
| [**OutputStream**](https://docs.oracle.com/javase/8/docs/api/java/io/OutputStream.html) | [**getOutputStream**](https://docs.oracle.com/javase/8/docs/api/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**](https://docs.oracle.com/javase/8/docs/api/javax/activation/FileDataSource.html#setFileTypeMap-javax.activation.FileTypeMap-)(**[FileTypeMap](https://docs.oracle.com/javase/8/docs/api/javax/activation/FileTypeMap.html" \o "class in javax.activation)** map)  Set the FileTypeMap to use with this FileDataSource |

* + - **Methods inherited from class java.lang.**[**Object**](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html)

[clone](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html#clone--), [equals](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html#equals-java.lang.Object-), [finalize](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html#finalize--), [getClass](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html#getClass--), [hashCode](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html#hashCode--), [notify](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html#notify--), [notifyAll](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html#notifyAll--), [toString](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html#toString--), [wait](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html#wait--), [wait](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html#wait-long-), [wait](https://docs.oracle.com/javase/8/docs/api/java/lang/Object.html#wait-long-int-)

* + ***Constructor Detail***
    - **FileDataSource**

public FileDataSource([File](https://docs.oracle.com/javase/8/docs/api/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](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \o "class in java.lang) 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](https://docs.oracle.com/javase/8/docs/api/java/io/InputStream.html" \o "class in java.io) getInputStream()

throws [IOException](https://docs.oracle.com/javase/8/docs/api/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](https://docs.oracle.com/javase/8/docs/api/javax/activation/DataSource.html#getInputStream--) in interface [DataSource](https://docs.oracle.com/javase/8/docs/api/javax/activation/DataSource.html" \o "interface in javax.activation)

**Returns:**

an InputStream

**Throws:**

[IOException](https://docs.oracle.com/javase/8/docs/api/java/io/IOException.html)

* + - **getOutputStream**
    - public [OutputStream](https://docs.oracle.com/javase/8/docs/api/java/io/OutputStream.html" \o "class in java.io) getOutputStream()

throws [IOException](https://docs.oracle.com/javase/8/docs/api/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](https://docs.oracle.com/javase/8/docs/api/javax/activation/DataSource.html#getOutputStream--) in interface [DataSource](https://docs.oracle.com/javase/8/docs/api/javax/activation/DataSource.html" \o "interface in javax.activation)

**Returns:**

an OutputStream

**Throws:**

[IOException](https://docs.oracle.com/javase/8/docs/api/java/io/IOException.html)

* + - **getContentType**

public [String](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \o "class in java.lang) 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](https://docs.oracle.com/javase/8/docs/api/javax/activation/DataSource.html#getContentType--) in interface [DataSource](https://docs.oracle.com/javase/8/docs/api/javax/activation/DataSource.html" \o "interface in javax.activation)

**Returns:**

the MIME Type

**See Also:**

[FileTypeMap.getDefaultFileTypeMap()](https://docs.oracle.com/javase/8/docs/api/javax/activation/FileTypeMap.html#getDefaultFileTypeMap--)

* + - **getName**

public [String](https://docs.oracle.com/javase/8/docs/api/java/lang/String.html" \o "class in java.lang) getName()

Return the *name* of this object. The FileDataSource will return the file name of the object.

**Specified by:**

[getName](https://docs.oracle.com/javase/8/docs/api/javax/activation/DataSource.html#getName--) in interface [DataSource](https://docs.oracle.com/javase/8/docs/api/javax/activation/DataSource.html" \o "interface in javax.activation)

**Returns:**

the name of the object.

**See Also:**

[DataSource](https://docs.oracle.com/javase/8/docs/api/javax/activation/DataSource.html)

* + - **getFile**

public [File](https://docs.oracle.com/javase/8/docs/api/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](https://docs.oracle.com/javase/8/docs/api/javax/activation/FileTypeMap.html" \o "class in javax.activation) map)

Set the FileTypeMap to use with this FileDataSource

**Parameters:**

map - The FileTypeMap for this object.

[Skip navigation links](https://docs.oracle.com/javase/8/docs/api/javax/activation/FileDataSource.html" \l "skip.navbar.bottom" \o "Skip navigation links)

* [Overview](https://docs.oracle.com/javase/8/docs/api/overview-summary.html)
* [Package](https://docs.oracle.com/javase/8/docs/api/javax/activation/package-summary.html)
* Class
* [Use](https://docs.oracle.com/javase/8/docs/api/javax/activation/class-use/FileDataSource.html)
* [Tree](https://docs.oracle.com/javase/8/docs/api/javax/activation/package-tree.html)
* [Deprecated](https://docs.oracle.com/javase/8/docs/api/deprecated-list.html)
* [Index](https://docs.oracle.com/javase/8/docs/api/index-files/index-1.html)
* [Help](https://docs.oracle.com/javase/8/docs/api/help-doc.html)

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* [**Next Class**](https://docs.oracle.com/javase/8/docs/api/javax/activation/FileTypeMap.html)
* [Frames](https://docs.oracle.com/javase/8/docs/api/index.html?javax/activation/FileDataSource.html)
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* Detail:
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* [Method](https://docs.oracle.com/javase/8/docs/api/javax/activation/FileDataSource.html#method.detail)

[Submit a bug or feature](http://bugreport.sun.com/bugreport/)  
For further API reference and developer documentation, see [Java SE Documentation](https://docs.oracle.com/javase/8/docs/index.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.  
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