| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ActivationDataFlavor.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   [**NEXT CLASS**](http://docs.google.com/javax/activation/CommandInfo.html) | [**FRAMES**](http://docs.google.com/index.html?javax/activation/ActivationDataFlavor.html)    [**NO FRAMES**](http://docs.google.com/ActivationDataFlavor.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#2et92p0) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: FIELD | [CONSTR](#2s8eyo1) | [METHOD](#lnxbz9) |

## **javax.activation**

Class ActivationDataFlavor

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [java.awt.datatransfer.DataFlavor](http://docs.google.com/java/awt/datatransfer/DataFlavor.html)  
 **javax.activation.ActivationDataFlavor**

**All Implemented Interfaces:** [Externalizable](http://docs.google.com/java/io/Externalizable.html), [Serializable](http://docs.google.com/java/io/Serializable.html), [Cloneable](http://docs.google.com/java/lang/Cloneable.html)

public class **ActivationDataFlavor**extends [DataFlavor](http://docs.google.com/java/awt/datatransfer/DataFlavor.html)

The ActivationDataFlavor class is a special subclass of java.awt.datatransfer.DataFlavor. It allows the JAF to set all three values stored by the DataFlavor class via a new constructor. It also contains improved MIME parsing in the equals method. Except for the improved parsing, its semantics are identical to that of the JDK's DataFlavor class.

**Since:** 1.6 **See Also:**[Serialized Form](http://docs.google.com/serialized-form.html#javax.activation.ActivationDataFlavor)

| **Field Summary** | |
| --- | --- |

| **Fields inherited from class java.awt.datatransfer.**[**DataFlavor**](http://docs.google.com/java/awt/datatransfer/DataFlavor.html) |
| --- |
| [imageFlavor](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#imageFlavor), [javaFileListFlavor](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#javaFileListFlavor), [javaJVMLocalObjectMimeType](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#javaJVMLocalObjectMimeType), [javaRemoteObjectMimeType](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#javaRemoteObjectMimeType), [javaSerializedObjectMimeType](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#javaSerializedObjectMimeType), [plainTextFlavor](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#plainTextFlavor), [stringFlavor](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#stringFlavor) |

| **Constructor Summary** | |
| --- | --- |
| [**ActivationDataFlavor**](http://docs.google.com/javax/activation/ActivationDataFlavor.html#ActivationDataFlavor(java.lang.Class,%20java.lang.String))([Class](http://docs.google.com/java/lang/Class.html) representationClass, [String](http://docs.google.com/java/lang/String.html) humanPresentableName)            Construct a DataFlavor that represents a MimeType. |
| [**ActivationDataFlavor**](http://docs.google.com/javax/activation/ActivationDataFlavor.html#ActivationDataFlavor(java.lang.Class,%20java.lang.String,%20java.lang.String))([Class](http://docs.google.com/java/lang/Class.html) representationClass, [String](http://docs.google.com/java/lang/String.html) mimeType, [String](http://docs.google.com/java/lang/String.html) humanPresentableName)            Construct a DataFlavor that represents an arbitrary Java object. |
| [**ActivationDataFlavor**](http://docs.google.com/javax/activation/ActivationDataFlavor.html#ActivationDataFlavor(java.lang.String,%20java.lang.String))([String](http://docs.google.com/java/lang/String.html) mimeType, [String](http://docs.google.com/java/lang/String.html) humanPresentableName)            Construct a DataFlavor that represents a MimeType. |

| **Method Summary** | |
| --- | --- |
| boolean | [**equals**](http://docs.google.com/javax/activation/ActivationDataFlavor.html#equals(java.awt.datatransfer.DataFlavor))([DataFlavor](http://docs.google.com/java/awt/datatransfer/DataFlavor.html) dataFlavor)            Compares the DataFlavor passed in with this DataFlavor; calls the isMimeTypeEqual method. |
| [String](http://docs.google.com/java/lang/String.html) | [**getHumanPresentableName**](http://docs.google.com/javax/activation/ActivationDataFlavor.html#getHumanPresentableName())()            Return the Human Presentable name. |
| [String](http://docs.google.com/java/lang/String.html) | [**getMimeType**](http://docs.google.com/javax/activation/ActivationDataFlavor.html#getMimeType())()            Return the MIME type for this DataFlavor. |
| [Class](http://docs.google.com/java/lang/Class.html) | [**getRepresentationClass**](http://docs.google.com/javax/activation/ActivationDataFlavor.html#getRepresentationClass())()            Return the representation class. |
| boolean | [**isMimeTypeEqual**](http://docs.google.com/javax/activation/ActivationDataFlavor.html#isMimeTypeEqual(java.lang.String))([String](http://docs.google.com/java/lang/String.html) mimeType)            Is the string representation of the MIME type passed in equivalent to the MIME type of this DataFlavor. |
| protected  [String](http://docs.google.com/java/lang/String.html) | [**normalizeMimeType**](http://docs.google.com/javax/activation/ActivationDataFlavor.html#normalizeMimeType(java.lang.String))([String](http://docs.google.com/java/lang/String.html) mimeType)  **Deprecated.** |
| protected  [String](http://docs.google.com/java/lang/String.html) | [**normalizeMimeTypeParameter**](http://docs.google.com/javax/activation/ActivationDataFlavor.html#normalizeMimeTypeParameter(java.lang.String,%20java.lang.String))([String](http://docs.google.com/java/lang/String.html) parameterName, [String](http://docs.google.com/java/lang/String.html) parameterValue)  **Deprecated.** |
| void | [**setHumanPresentableName**](http://docs.google.com/javax/activation/ActivationDataFlavor.html#setHumanPresentableName(java.lang.String))([String](http://docs.google.com/java/lang/String.html) humanPresentableName)            Set the human presentable name. |

| **Methods inherited from class java.awt.datatransfer.**[**DataFlavor**](http://docs.google.com/java/awt/datatransfer/DataFlavor.html) |
| --- |
| [clone](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#clone()), [equals](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#equals(java.lang.Object)), [equals](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#equals(java.lang.String)), [getDefaultRepresentationClass](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#getDefaultRepresentationClass()), [getDefaultRepresentationClassAsString](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#getDefaultRepresentationClassAsString()), [getParameter](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#getParameter(java.lang.String)), [getPrimaryType](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#getPrimaryType()), [getReaderForText](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#getReaderForText(java.awt.datatransfer.Transferable)), [getSubType](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#getSubType()), [getTextPlainUnicodeFlavor](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#getTextPlainUnicodeFlavor()), [hashCode](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#hashCode()), [isFlavorJavaFileListType](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#isFlavorJavaFileListType()), [isFlavorRemoteObjectType](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#isFlavorRemoteObjectType()), [isFlavorSerializedObjectType](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#isFlavorSerializedObjectType()), [isFlavorTextType](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#isFlavorTextType()), [isMimeTypeEqual](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#isMimeTypeEqual(java.awt.datatransfer.DataFlavor)), [isMimeTypeSerializedObject](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#isMimeTypeSerializedObject()), [isRepresentationClassByteBuffer](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#isRepresentationClassByteBuffer()), [isRepresentationClassCharBuffer](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#isRepresentationClassCharBuffer()), [isRepresentationClassInputStream](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#isRepresentationClassInputStream()), [isRepresentationClassReader](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#isRepresentationClassReader()), [isRepresentationClassRemote](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#isRepresentationClassRemote()), [isRepresentationClassSerializable](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#isRepresentationClassSerializable()), [match](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#match(java.awt.datatransfer.DataFlavor)), [readExternal](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#readExternal(java.io.ObjectInput)), [selectBestTextFlavor](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#selectBestTextFlavor(java.awt.datatransfer.DataFlavor%5B%5D)), [toString](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#toString()), [tryToLoadClass](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#tryToLoadClass(java.lang.String,%20java.lang.ClassLoader)), [writeExternal](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#writeExternal(java.io.ObjectOutput)) |

| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/java/lang/Object.html) |
| --- |
| [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [notify](http://docs.google.com/java/lang/Object.html#notify()), [notifyAll](http://docs.google.com/java/lang/Object.html#notifyAll()), [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** |
| --- |

### ActivationDataFlavor

public **ActivationDataFlavor**([Class](http://docs.google.com/java/lang/Class.html) representationClass,  
 [String](http://docs.google.com/java/lang/String.html) mimeType,  
 [String](http://docs.google.com/java/lang/String.html) humanPresentableName)

Construct a DataFlavor that represents an arbitrary Java object. This constructor is an extension of the JDK's DataFlavor in that it allows the explicit setting of all three DataFlavor attributes.

The returned DataFlavor will have the following characteristics:

representationClass = representationClass

mimeType = mimeType

humanName = humanName

**Parameters:**representationClass - the class used in this DataFlavormimeType - the MIME type of the data represented by this classhumanPresentableName - the human presentable name of the flavor

### ActivationDataFlavor

public **ActivationDataFlavor**([Class](http://docs.google.com/java/lang/Class.html) representationClass,  
 [String](http://docs.google.com/java/lang/String.html) humanPresentableName)

Construct a DataFlavor that represents a MimeType.

The returned DataFlavor will have the following characteristics:

If the mimeType is "application/x-java-serialized-object; class=", the result is the same as calling new DataFlavor(Class.forName()) as above.

otherwise:

representationClass = InputStream

mimeType = mimeType

**Parameters:**representationClass - the class used in this DataFlavorhumanPresentableName - the human presentable name of the flavor

### ActivationDataFlavor

public **ActivationDataFlavor**([String](http://docs.google.com/java/lang/String.html) mimeType,  
 [String](http://docs.google.com/java/lang/String.html) humanPresentableName)

Construct a DataFlavor that represents a MimeType.

The returned DataFlavor will have the following characteristics:

If the mimeType is "application/x-java-serialized-object; class=", the result is the same as calling new DataFlavor(Class.forName()) as above, otherwise:

representationClass = InputStream

mimeType = mimeType

**Parameters:**mimeType - the MIME type of the data represented by this classhumanPresentableName - the human presentable name of the flavor

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

### getMimeType

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

Return the MIME type for this DataFlavor.

**Overrides:**[getMimeType](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#getMimeType()) in class [DataFlavor](http://docs.google.com/java/awt/datatransfer/DataFlavor.html) **Returns:**the MIME type

### getRepresentationClass

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

Return the representation class.

**Overrides:**[getRepresentationClass](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#getRepresentationClass()) in class [DataFlavor](http://docs.google.com/java/awt/datatransfer/DataFlavor.html) **Returns:**the representation class

### getHumanPresentableName

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

Return the Human Presentable name.

**Overrides:**[getHumanPresentableName](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#getHumanPresentableName()) in class [DataFlavor](http://docs.google.com/java/awt/datatransfer/DataFlavor.html) **Returns:**the human presentable name

### setHumanPresentableName

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

Set the human presentable name.

**Overrides:**[setHumanPresentableName](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#setHumanPresentableName(java.lang.String)) in class [DataFlavor](http://docs.google.com/java/awt/datatransfer/DataFlavor.html) **Parameters:**humanPresentableName - the name to set

### equals

public boolean **equals**([DataFlavor](http://docs.google.com/java/awt/datatransfer/DataFlavor.html) dataFlavor)

Compares the DataFlavor passed in with this DataFlavor; calls the isMimeTypeEqual method.

**Overrides:**[equals](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#equals(java.awt.datatransfer.DataFlavor)) in class [DataFlavor](http://docs.google.com/java/awt/datatransfer/DataFlavor.html) **Parameters:**dataFlavor - the DataFlavor to compare with **Returns:**true if the MIME type and representation class are the same**See Also:**[DataFlavor.selectBestTextFlavor(java.awt.datatransfer.DataFlavor[])](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#selectBestTextFlavor(java.awt.datatransfer.DataFlavor%5B%5D))

### isMimeTypeEqual

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

Is the string representation of the MIME type passed in equivalent to the MIME type of this DataFlavor.

ActivationDataFlavor delegates the comparison of MIME types to the MimeType class included as part of the JavaBeans Activation Framework. This provides a more robust comparison than is normally available in the DataFlavor class.

**Overrides:**[isMimeTypeEqual](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#isMimeTypeEqual(java.lang.String)) in class [DataFlavor](http://docs.google.com/java/awt/datatransfer/DataFlavor.html) **Parameters:**mimeType - the MIME type **Returns:**true if the same MIME type

### normalizeMimeTypeParameter

protected [String](http://docs.google.com/java/lang/String.html) **normalizeMimeTypeParameter**([String](http://docs.google.com/java/lang/String.html) parameterName,  
 [String](http://docs.google.com/java/lang/String.html) parameterValue)

**Deprecated.**

Called on DataFlavor for every MIME Type parameter to allow DataFlavor subclasses to handle special parameters like the text/plain charset parameters, whose values are case insensitive. (MIME type parameter values are supposed to be case sensitive).

This method is called for each parameter name/value pair and should return the normalized representation of the parameterValue. This method is never invoked by this implementation.

**Overrides:**[normalizeMimeTypeParameter](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#normalizeMimeTypeParameter(java.lang.String,%20java.lang.String)) in class [DataFlavor](http://docs.google.com/java/awt/datatransfer/DataFlavor.html) **Parameters:**parameterName - the parameter nameparameterValue - the parameter value **Returns:**the normalized parameter value

### normalizeMimeType

protected [String](http://docs.google.com/java/lang/String.html) **normalizeMimeType**([String](http://docs.google.com/java/lang/String.html) mimeType)

**Deprecated.**

Called for each MIME type string to give DataFlavor subtypes the opportunity to change how the normalization of MIME types is accomplished. One possible use would be to add default parameter/value pairs in cases where none are present in the MIME type string passed in. This method is never invoked by this implementation.

**Overrides:**[normalizeMimeType](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#normalizeMimeType(java.lang.String)) in class [DataFlavor](http://docs.google.com/java/awt/datatransfer/DataFlavor.html) **Parameters:**mimeType - the MIME type **Returns:**the normalized MIME type

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/ActivationDataFlavor.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   [**NEXT CLASS**](http://docs.google.com/javax/activation/CommandInfo.html) | [**FRAMES**](http://docs.google.com/index.html?javax/activation/ActivationDataFlavor.html)    [**NO FRAMES**](http://docs.google.com/ActivationDataFlavor.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#2et92p0) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: FIELD | [CONSTR](#2s8eyo1) | [METHOD](#lnxbz9) |

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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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