| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/CommandMap.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/CommandInfo.html)   [**NEXT CLASS**](http://docs.google.com/javax/activation/CommandObject.html) | [**FRAMES**](http://docs.google.com/index.html?javax/activation/CommandMap.html)    [**NO FRAMES**](http://docs.google.com/CommandMap.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 CommandMap

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

**Direct Known Subclasses:** [MailcapCommandMap](http://docs.google.com/javax/activation/MailcapCommandMap.html)

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

The CommandMap class provides an interface to a registry of command objects available in the system. Developers are expected to either use the CommandMap implementation included with this package (MailcapCommandMap) or develop their own. Note that some of the methods in this class are abstract.

**Since:** 1.6

| **Constructor Summary** | |
| --- | --- |
| [**CommandMap**](http://docs.google.com/javax/activation/CommandMap.html#CommandMap())() |

| **Method Summary** | |
| --- | --- |
| abstract  [DataContentHandler](http://docs.google.com/javax/activation/DataContentHandler.html) | [**createDataContentHandler**](http://docs.google.com/javax/activation/CommandMap.html#createDataContentHandler(java.lang.String))([String](http://docs.google.com/java/lang/String.html) mimeType)            Locate a DataContentHandler that corresponds to the MIME type. |
| [DataContentHandler](http://docs.google.com/javax/activation/DataContentHandler.html) | [**createDataContentHandler**](http://docs.google.com/javax/activation/CommandMap.html#createDataContentHandler(java.lang.String,%20javax.activation.DataSource))([String](http://docs.google.com/java/lang/String.html) mimeType, [DataSource](http://docs.google.com/javax/activation/DataSource.html) ds)            Locate a DataContentHandler that corresponds to the MIME type. |
| abstract  [CommandInfo](http://docs.google.com/javax/activation/CommandInfo.html)[] | [**getAllCommands**](http://docs.google.com/javax/activation/CommandMap.html#getAllCommands(java.lang.String))([String](http://docs.google.com/java/lang/String.html) mimeType)            Get all the available commands for this type. |
| [CommandInfo](http://docs.google.com/javax/activation/CommandInfo.html)[] | [**getAllCommands**](http://docs.google.com/javax/activation/CommandMap.html#getAllCommands(java.lang.String,%20javax.activation.DataSource))([String](http://docs.google.com/java/lang/String.html) mimeType, [DataSource](http://docs.google.com/javax/activation/DataSource.html) ds)            Get all the available commands for this type. |
| abstract  [CommandInfo](http://docs.google.com/javax/activation/CommandInfo.html) | [**getCommand**](http://docs.google.com/javax/activation/CommandMap.html#getCommand(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) cmdName)            Get the default command corresponding to the MIME type. |
| [CommandInfo](http://docs.google.com/javax/activation/CommandInfo.html) | [**getCommand**](http://docs.google.com/javax/activation/CommandMap.html#getCommand(java.lang.String,%20java.lang.String,%20javax.activation.DataSource))([String](http://docs.google.com/java/lang/String.html) mimeType, [String](http://docs.google.com/java/lang/String.html) cmdName, [DataSource](http://docs.google.com/javax/activation/DataSource.html) ds)            Get the default command corresponding to the MIME type. |
| static [CommandMap](http://docs.google.com/javax/activation/CommandMap.html) | [**getDefaultCommandMap**](http://docs.google.com/javax/activation/CommandMap.html#getDefaultCommandMap())()            Get the default CommandMap. |
| [String](http://docs.google.com/java/lang/String.html)[] | [**getMimeTypes**](http://docs.google.com/javax/activation/CommandMap.html#getMimeTypes())()            Get all the MIME types known to this command map. |
| abstract  [CommandInfo](http://docs.google.com/javax/activation/CommandInfo.html)[] | [**getPreferredCommands**](http://docs.google.com/javax/activation/CommandMap.html#getPreferredCommands(java.lang.String))([String](http://docs.google.com/java/lang/String.html) mimeType)            Get the preferred command list from a MIME Type. |
| [CommandInfo](http://docs.google.com/javax/activation/CommandInfo.html)[] | [**getPreferredCommands**](http://docs.google.com/javax/activation/CommandMap.html#getPreferredCommands(java.lang.String,%20javax.activation.DataSource))([String](http://docs.google.com/java/lang/String.html) mimeType, [DataSource](http://docs.google.com/javax/activation/DataSource.html) ds)            Get the preferred command list from a MIME Type. |
| static void | [**setDefaultCommandMap**](http://docs.google.com/javax/activation/CommandMap.html#setDefaultCommandMap(javax.activation.CommandMap))([CommandMap](http://docs.google.com/javax/activation/CommandMap.html) commandMap)            Set the default CommandMap. |

| **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** |
| --- |

### CommandMap

public **CommandMap**()

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

### getDefaultCommandMap

public static [CommandMap](http://docs.google.com/javax/activation/CommandMap.html) **getDefaultCommandMap**()

Get the default CommandMap.

* In cases where a CommandMap instance has been previously set to some value (via *setDefaultCommandMap*) return the CommandMap.
* In cases where no CommandMap has been set, the CommandMap creates an instance of MailcapCommandMap and set that to the default, returning its value.

**Returns:**the CommandMap

### setDefaultCommandMap

public static void **setDefaultCommandMap**([CommandMap](http://docs.google.com/javax/activation/CommandMap.html) commandMap)

Set the default CommandMap. Reset the CommandMap to the default by calling this method with null.

**Parameters:**commandMap - The new default CommandMap. **Throws:** [SecurityException](http://docs.google.com/java/lang/SecurityException.html) - if the caller doesn't have permission to change the default

### getPreferredCommands

public abstract [CommandInfo](http://docs.google.com/javax/activation/CommandInfo.html)[] **getPreferredCommands**([String](http://docs.google.com/java/lang/String.html) mimeType)

Get the preferred command list from a MIME Type. The actual semantics are determined by the implementation of the CommandMap.

**Parameters:**mimeType - the MIME type **Returns:**the CommandInfo classes that represent the command Beans.

### getPreferredCommands

public [CommandInfo](http://docs.google.com/javax/activation/CommandInfo.html)[] **getPreferredCommands**([String](http://docs.google.com/java/lang/String.html) mimeType,  
 [DataSource](http://docs.google.com/javax/activation/DataSource.html) ds)

Get the preferred command list from a MIME Type. The actual semantics are determined by the implementation of the CommandMap.

The DataSource provides extra information, such as the file name, that a CommandMap implementation may use to further refine the list of commands that are returned. The implementation in this class simply calls the getPreferredCommands method that ignores this argument.

**Parameters:**mimeType - the MIME typeds - a DataSource for the data **Returns:**the CommandInfo classes that represent the command Beans.**Since:** JAF 1.1

### getAllCommands

public abstract [CommandInfo](http://docs.google.com/javax/activation/CommandInfo.html)[] **getAllCommands**([String](http://docs.google.com/java/lang/String.html) mimeType)

Get all the available commands for this type. This method should return all the possible commands for this MIME type.

**Parameters:**mimeType - the MIME type **Returns:**the CommandInfo objects representing all the commands.

### getAllCommands

public [CommandInfo](http://docs.google.com/javax/activation/CommandInfo.html)[] **getAllCommands**([String](http://docs.google.com/java/lang/String.html) mimeType,  
 [DataSource](http://docs.google.com/javax/activation/DataSource.html) ds)

Get all the available commands for this type. This method should return all the possible commands for this MIME type.

The DataSource provides extra information, such as the file name, that a CommandMap implementation may use to further refine the list of commands that are returned. The implementation in this class simply calls the getAllCommands method that ignores this argument.

**Parameters:**mimeType - the MIME typeds - a DataSource for the data **Returns:**the CommandInfo objects representing all the commands.**Since:** JAF 1.1

### getCommand

public abstract [CommandInfo](http://docs.google.com/javax/activation/CommandInfo.html) **getCommand**([String](http://docs.google.com/java/lang/String.html) mimeType,  
 [String](http://docs.google.com/java/lang/String.html) cmdName)

Get the default command corresponding to the MIME type.

**Parameters:**mimeType - the MIME typecmdName - the command name **Returns:**the CommandInfo corresponding to the command.

### getCommand

public [CommandInfo](http://docs.google.com/javax/activation/CommandInfo.html) **getCommand**([String](http://docs.google.com/java/lang/String.html) mimeType,  
 [String](http://docs.google.com/java/lang/String.html) cmdName,  
 [DataSource](http://docs.google.com/javax/activation/DataSource.html) ds)

Get the default command corresponding to the MIME type.

The DataSource provides extra information, such as the file name, that a CommandMap implementation may use to further refine the command that is chosen. The implementation in this class simply calls the getCommand method that ignores this argument.

**Parameters:**mimeType - the MIME typecmdName - the command nameds - a DataSource for the data **Returns:**the CommandInfo corresponding to the command.**Since:** JAF 1.1

### createDataContentHandler

public abstract [DataContentHandler](http://docs.google.com/javax/activation/DataContentHandler.html) **createDataContentHandler**([String](http://docs.google.com/java/lang/String.html) mimeType)

Locate a DataContentHandler that corresponds to the MIME type. The mechanism and semantics for determining this are determined by the implementation of the particular CommandMap.

**Parameters:**mimeType - the MIME type **Returns:**the DataContentHandler for the MIME type

### createDataContentHandler

public [DataContentHandler](http://docs.google.com/javax/activation/DataContentHandler.html) **createDataContentHandler**([String](http://docs.google.com/java/lang/String.html) mimeType,  
 [DataSource](http://docs.google.com/javax/activation/DataSource.html) ds)

Locate a DataContentHandler that corresponds to the MIME type. The mechanism and semantics for determining this are determined by the implementation of the particular CommandMap.

The DataSource provides extra information, such as the file name, that a CommandMap implementation may use to further refine the choice of DataContentHandler. The implementation in this class simply calls the createDataContentHandler method that ignores this argument.

**Parameters:**mimeType - the MIME typeds - a DataSource for the data **Returns:**the DataContentHandler for the MIME type**Since:** JAF 1.1

### getMimeTypes

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

Get all the MIME types known to this command map. If the command map doesn't support this operation, null is returned.

**Returns:**array of MIME types as strings, or null if not supported**Since:** JAF 1.1

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/CommandMap.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/CommandInfo.html)   [**NEXT CLASS**](http://docs.google.com/javax/activation/CommandObject.html) | [**FRAMES**](http://docs.google.com/index.html?javax/activation/CommandMap.html)    [**NO FRAMES**](http://docs.google.com/CommandMap.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.

Copyright 2006 Sun Microsystems, Inc. All rights reserved. Use is subject to [license terms](http://docs.google.com/legal/license.html). Also see the [documentation redistribution policy](http://java.sun.com/docs/redist.html).