| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/MimeType.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/MailcapCommandMap.html)   [**NEXT CLASS**](http://docs.google.com/javax/activation/MimeTypeParameterList.html) | [**FRAMES**](http://docs.google.com/index.html?javax/activation/MimeType.html)    [**NO FRAMES**](http://docs.google.com/MimeType.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#17dp8vu) |

## **javax.activation**

Class MimeType

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

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

public class **MimeType**extends [Object](http://docs.google.com/java/lang/Object.html)implements [Externalizable](http://docs.google.com/java/io/Externalizable.html)

A Multipurpose Internet Mail Extension (MIME) type, as defined in RFC 2045 and 2046.

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

| **Constructor Summary** | |
| --- | --- |
| [**MimeType**](http://docs.google.com/javax/activation/MimeType.html#MimeType())()            Default constructor. |
| [**MimeType**](http://docs.google.com/javax/activation/MimeType.html#MimeType(java.lang.String))([String](http://docs.google.com/java/lang/String.html) rawdata)            Constructor that builds a MimeType from a String. |
| [**MimeType**](http://docs.google.com/javax/activation/MimeType.html#MimeType(java.lang.String,%20java.lang.String))([String](http://docs.google.com/java/lang/String.html) primary, [String](http://docs.google.com/java/lang/String.html) sub)            Constructor that builds a MimeType with the given primary and sub type but has an empty parameter list. |

| **Method Summary** | |
| --- | --- |
| [String](http://docs.google.com/java/lang/String.html) | [**getBaseType**](http://docs.google.com/javax/activation/MimeType.html#getBaseType())()            Return a String representation of this object without the parameter list. |
| [String](http://docs.google.com/java/lang/String.html) | [**getParameter**](http://docs.google.com/javax/activation/MimeType.html#getParameter(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Retrieve the value associated with the given name, or null if there is no current association. |
| [MimeTypeParameterList](http://docs.google.com/javax/activation/MimeTypeParameterList.html) | [**getParameters**](http://docs.google.com/javax/activation/MimeType.html#getParameters())()            Retrieve this object's parameter list. |
| [String](http://docs.google.com/java/lang/String.html) | [**getPrimaryType**](http://docs.google.com/javax/activation/MimeType.html#getPrimaryType())()            Retrieve the primary type of this object. |
| [String](http://docs.google.com/java/lang/String.html) | [**getSubType**](http://docs.google.com/javax/activation/MimeType.html#getSubType())()            Retrieve the subtype of this object. |
| boolean | [**match**](http://docs.google.com/javax/activation/MimeType.html#match(javax.activation.MimeType))([MimeType](http://docs.google.com/javax/activation/MimeType.html) type)            Determine if the primary and sub type of this object is the same as what is in the given type. |
| boolean | [**match**](http://docs.google.com/javax/activation/MimeType.html#match(java.lang.String))([String](http://docs.google.com/java/lang/String.html) rawdata)            Determine if the primary and sub type of this object is the same as the content type described in rawdata. |
| void | [**readExternal**](http://docs.google.com/javax/activation/MimeType.html#readExternal(java.io.ObjectInput))([ObjectInput](http://docs.google.com/java/io/ObjectInput.html) in)            The object implements the readExternal method to restore its contents by calling the methods of DataInput for primitive types and readObject for objects, strings and arrays. |
| void | [**removeParameter**](http://docs.google.com/javax/activation/MimeType.html#removeParameter(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)            Remove any value associated with the given name. |
| void | [**setParameter**](http://docs.google.com/javax/activation/MimeType.html#setParameter(java.lang.String,%20java.lang.String))([String](http://docs.google.com/java/lang/String.html) name, [String](http://docs.google.com/java/lang/String.html) value)            Set the value to be associated with the given name, replacing any previous association. |
| void | [**setPrimaryType**](http://docs.google.com/javax/activation/MimeType.html#setPrimaryType(java.lang.String))([String](http://docs.google.com/java/lang/String.html) primary)            Set the primary type for this object to the given String. |
| void | [**setSubType**](http://docs.google.com/javax/activation/MimeType.html#setSubType(java.lang.String))([String](http://docs.google.com/java/lang/String.html) sub)            Set the subtype for this object to the given String. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/javax/activation/MimeType.html#toString())()            Return the String representation of this object. |
| void | [**writeExternal**](http://docs.google.com/javax/activation/MimeType.html#writeExternal(java.io.ObjectOutput))([ObjectOutput](http://docs.google.com/java/io/ObjectOutput.html) out)            The object implements the writeExternal method to save its contents by calling the methods of DataOutput for its primitive values or calling the writeObject method of ObjectOutput for objects, strings and arrays. |

| **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()), [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** |
| --- |

### MimeType

public **MimeType**()

Default constructor.

### MimeType

public **MimeType**([String](http://docs.google.com/java/lang/String.html) rawdata)  
 throws [MimeTypeParseException](http://docs.google.com/javax/activation/MimeTypeParseException.html)

Constructor that builds a MimeType from a String.

**Parameters:**rawdata - the MIME type string **Throws:** [MimeTypeParseException](http://docs.google.com/javax/activation/MimeTypeParseException.html)

### MimeType

public **MimeType**([String](http://docs.google.com/java/lang/String.html) primary,  
 [String](http://docs.google.com/java/lang/String.html) sub)  
 throws [MimeTypeParseException](http://docs.google.com/javax/activation/MimeTypeParseException.html)

Constructor that builds a MimeType with the given primary and sub type but has an empty parameter list.

**Parameters:**primary - the primary MIME typesub - the MIME sub-type **Throws:** [MimeTypeParseException](http://docs.google.com/javax/activation/MimeTypeParseException.html) - if the primary type or subtype is not a valid token

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

### getPrimaryType

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

Retrieve the primary type of this object.

**Returns:**the primary MIME type

### setPrimaryType

public void **setPrimaryType**([String](http://docs.google.com/java/lang/String.html) primary)  
 throws [MimeTypeParseException](http://docs.google.com/javax/activation/MimeTypeParseException.html)

Set the primary type for this object to the given String.

**Parameters:**primary - the primary MIME type **Throws:** [MimeTypeParseException](http://docs.google.com/javax/activation/MimeTypeParseException.html) - if the primary type is not a valid token

### getSubType

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

Retrieve the subtype of this object.

**Returns:**the MIME subtype

### setSubType

public void **setSubType**([String](http://docs.google.com/java/lang/String.html) sub)  
 throws [MimeTypeParseException](http://docs.google.com/javax/activation/MimeTypeParseException.html)

Set the subtype for this object to the given String.

**Parameters:**sub - the MIME subtype **Throws:** [MimeTypeParseException](http://docs.google.com/javax/activation/MimeTypeParseException.html) - if the subtype is not a valid token

### getParameters

public [MimeTypeParameterList](http://docs.google.com/javax/activation/MimeTypeParameterList.html) **getParameters**()

Retrieve this object's parameter list.

**Returns:**a MimeTypeParameterList object representing the parameters

### getParameter

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

Retrieve the value associated with the given name, or null if there is no current association.

**Parameters:**name - the parameter name **Returns:**the paramter's value

### setParameter

public void **setParameter**([String](http://docs.google.com/java/lang/String.html) name,  
 [String](http://docs.google.com/java/lang/String.html) value)

Set the value to be associated with the given name, replacing any previous association.

**Parameters:**name - the parameter namevalue - the paramter's value

### removeParameter

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

Remove any value associated with the given name.

**Parameters:**name - the parameter name

### toString

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

Return the String representation of this object.

**Overrides:**[toString](http://docs.google.com/java/lang/Object.html#toString()) in class [Object](http://docs.google.com/java/lang/Object.html) **Returns:**a string representation of the object.

### getBaseType

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

Return a String representation of this object without the parameter list.

**Returns:**the MIME type and sub-type

### match

public boolean **match**([MimeType](http://docs.google.com/javax/activation/MimeType.html) type)

Determine if the primary and sub type of this object is the same as what is in the given type.

**Parameters:**type - the MimeType object to compare with **Returns:**true if they match

### match

public boolean **match**([String](http://docs.google.com/java/lang/String.html) rawdata)  
 throws [MimeTypeParseException](http://docs.google.com/javax/activation/MimeTypeParseException.html)

Determine if the primary and sub type of this object is the same as the content type described in rawdata.

**Parameters:**rawdata - the MIME type string to compare with **Returns:**true if they match **Throws:** [MimeTypeParseException](http://docs.google.com/javax/activation/MimeTypeParseException.html)

### writeExternal

public void **writeExternal**([ObjectOutput](http://docs.google.com/java/io/ObjectOutput.html) out)  
 throws [IOException](http://docs.google.com/java/io/IOException.html)

The object implements the writeExternal method to save its contents by calling the methods of DataOutput for its primitive values or calling the writeObject method of ObjectOutput for objects, strings and arrays.

**Specified by:**[writeExternal](http://docs.google.com/java/io/Externalizable.html#writeExternal(java.io.ObjectOutput)) in interface [Externalizable](http://docs.google.com/java/io/Externalizable.html) **Parameters:**out - the ObjectOutput object to write to **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - Includes any I/O exceptions that may occur

### readExternal

public void **readExternal**([ObjectInput](http://docs.google.com/java/io/ObjectInput.html) in)  
 throws [IOException](http://docs.google.com/java/io/IOException.html),  
 [ClassNotFoundException](http://docs.google.com/java/lang/ClassNotFoundException.html)

The object implements the readExternal method to restore its contents by calling the methods of DataInput for primitive types and readObject for objects, strings and arrays. The readExternal method must read the values in the same sequence and with the same types as were written by writeExternal.

**Specified by:**[readExternal](http://docs.google.com/java/io/Externalizable.html#readExternal(java.io.ObjectInput)) in interface [Externalizable](http://docs.google.com/java/io/Externalizable.html) **Parameters:**in - the ObjectInput object to read from **Throws:** [ClassNotFoundException](http://docs.google.com/java/lang/ClassNotFoundException.html) - If the class for an object being restored cannot be found. [IOException](http://docs.google.com/java/io/IOException.html) - if I/O errors occur

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/MimeType.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/MailcapCommandMap.html)   [**NEXT CLASS**](http://docs.google.com/javax/activation/MimeTypeParameterList.html) | [**FRAMES**](http://docs.google.com/index.html?javax/activation/MimeType.html)    [**NO FRAMES**](http://docs.google.com/MimeType.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#17dp8vu) |

[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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