| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/EditorKit.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/swing/text/DocumentFilter.FilterBypass.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/text/Element.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/text/EditorKit.html)    [**NO FRAMES**](http://docs.google.com/EditorKit.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

## **javax.swing.text**

Class EditorKit

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **javax.swing.text.EditorKit**

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html), [Cloneable](http://docs.google.com/java/lang/Cloneable.html) **Direct Known Subclasses:** [DefaultEditorKit](http://docs.google.com/javax/swing/text/DefaultEditorKit.html)

public abstract class **EditorKit**extends [Object](http://docs.google.com/java/lang/Object.html)implements [Cloneable](http://docs.google.com/java/lang/Cloneable.html), [Serializable](http://docs.google.com/java/io/Serializable.html)

Establishes the set of things needed by a text component to be a reasonably functioning editor for some *type* of text content. The EditorKit acts as a factory for some kind of policy. For example, an implementation of html and rtf can be provided that is replaceable with other implementations.

A kit can safely store editing state as an instance of the kit will be dedicated to a text component. New kits will normally be created by cloning a prototype kit. The kit will have it's setComponent method called to establish it's relationship with a JTextComponent.

| **Constructor Summary** | |
| --- | --- |
| [**EditorKit**](http://docs.google.com/javax/swing/text/EditorKit.html#EditorKit())()            Construct an EditorKit. |

| **Method Summary** | |
| --- | --- |
| [Object](http://docs.google.com/java/lang/Object.html) | [**clone**](http://docs.google.com/javax/swing/text/EditorKit.html#clone())()            Creates a copy of the editor kit. |
| abstract  [Caret](http://docs.google.com/javax/swing/text/Caret.html) | [**createCaret**](http://docs.google.com/javax/swing/text/EditorKit.html#createCaret())()            Fetches a caret that can navigate through views produced by the associated ViewFactory. |
| abstract  [Document](http://docs.google.com/javax/swing/text/Document.html) | [**createDefaultDocument**](http://docs.google.com/javax/swing/text/EditorKit.html#createDefaultDocument())()            Creates an uninitialized text storage model that is appropriate for this type of editor. |
| void | [**deinstall**](http://docs.google.com/javax/swing/text/EditorKit.html#deinstall(javax.swing.JEditorPane))([JEditorPane](http://docs.google.com/javax/swing/JEditorPane.html) c)            Called when the kit is being removed from the JEditorPane. |
| abstract  [Action](http://docs.google.com/javax/swing/Action.html)[] | [**getActions**](http://docs.google.com/javax/swing/text/EditorKit.html#getActions())()            Fetches the set of commands that can be used on a text component that is using a model and view produced by this kit. |
| abstract  [String](http://docs.google.com/java/lang/String.html) | [**getContentType**](http://docs.google.com/javax/swing/text/EditorKit.html#getContentType())()            Gets the MIME type of the data that this kit represents support for. |
| abstract  [ViewFactory](http://docs.google.com/javax/swing/text/ViewFactory.html) | [**getViewFactory**](http://docs.google.com/javax/swing/text/EditorKit.html#getViewFactory())()            Fetches a factory that is suitable for producing views of any models that are produced by this kit. |
| void | [**install**](http://docs.google.com/javax/swing/text/EditorKit.html#install(javax.swing.JEditorPane))([JEditorPane](http://docs.google.com/javax/swing/JEditorPane.html) c)            Called when the kit is being installed into the a JEditorPane. |
| abstract  void | [**read**](http://docs.google.com/javax/swing/text/EditorKit.html#read(java.io.InputStream,%20javax.swing.text.Document,%20int))([InputStream](http://docs.google.com/java/io/InputStream.html) in, [Document](http://docs.google.com/javax/swing/text/Document.html) doc, int pos)            Inserts content from the given stream which is expected to be in a format appropriate for this kind of content handler. |
| abstract  void | [**read**](http://docs.google.com/javax/swing/text/EditorKit.html#read(java.io.Reader,%20javax.swing.text.Document,%20int))([Reader](http://docs.google.com/java/io/Reader.html) in, [Document](http://docs.google.com/javax/swing/text/Document.html) doc, int pos)            Inserts content from the given stream which is expected to be in a format appropriate for this kind of content handler. |
| abstract  void | [**write**](http://docs.google.com/javax/swing/text/EditorKit.html#write(java.io.OutputStream,%20javax.swing.text.Document,%20int,%20int))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out, [Document](http://docs.google.com/javax/swing/text/Document.html) doc, int pos, int len)            Writes content from a document to the given stream in a format appropriate for this kind of content handler. |
| abstract  void | [**write**](http://docs.google.com/javax/swing/text/EditorKit.html#write(java.io.Writer,%20javax.swing.text.Document,%20int,%20int))([Writer](http://docs.google.com/java/io/Writer.html) out, [Document](http://docs.google.com/javax/swing/text/Document.html) doc, int pos, int len)            Writes content from a document to the given stream in a format appropriate for this kind of content handler. |

| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/java/lang/Object.html) |
| --- |
| [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** |
| --- |

### EditorKit

public **EditorKit**()

Construct an EditorKit.

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

### clone

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

Creates a copy of the editor kit. This is implemented to use Object.clone. If the kit cannot be cloned, null is returned.

**Overrides:**[clone](http://docs.google.com/java/lang/Object.html#clone()) in class [Object](http://docs.google.com/java/lang/Object.html) **Returns:**the copy**See Also:**[Cloneable](http://docs.google.com/java/lang/Cloneable.html)

### install

public void **install**([JEditorPane](http://docs.google.com/javax/swing/JEditorPane.html) c)

Called when the kit is being installed into the a JEditorPane.

**Parameters:**c - the JEditorPane

### deinstall

public void **deinstall**([JEditorPane](http://docs.google.com/javax/swing/JEditorPane.html) c)

Called when the kit is being removed from the JEditorPane. This is used to unregister any listeners that were attached.

**Parameters:**c - the JEditorPane

### getContentType

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

Gets the MIME type of the data that this kit represents support for.

**Returns:**the type

### getViewFactory

public abstract [ViewFactory](http://docs.google.com/javax/swing/text/ViewFactory.html) **getViewFactory**()

Fetches a factory that is suitable for producing views of any models that are produced by this kit.

**Returns:**the factory

### getActions

public abstract [Action](http://docs.google.com/javax/swing/Action.html)[] **getActions**()

Fetches the set of commands that can be used on a text component that is using a model and view produced by this kit.

**Returns:**the set of actions

### createCaret

public abstract [Caret](http://docs.google.com/javax/swing/text/Caret.html) **createCaret**()

Fetches a caret that can navigate through views produced by the associated ViewFactory.

**Returns:**the caret

### createDefaultDocument

public abstract [Document](http://docs.google.com/javax/swing/text/Document.html) **createDefaultDocument**()

Creates an uninitialized text storage model that is appropriate for this type of editor.

**Returns:**the model

### read

public abstract void **read**([InputStream](http://docs.google.com/java/io/InputStream.html) in,  
 [Document](http://docs.google.com/javax/swing/text/Document.html) doc,  
 int pos)  
 throws [IOException](http://docs.google.com/java/io/IOException.html),  
 [BadLocationException](http://docs.google.com/javax/swing/text/BadLocationException.html)

Inserts content from the given stream which is expected to be in a format appropriate for this kind of content handler.

**Parameters:**in - The stream to read fromdoc - The destination for the insertion.pos - The location in the document to place the content >= 0. **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - on any I/O error [BadLocationException](http://docs.google.com/javax/swing/text/BadLocationException.html) - if pos represents an invalid location within the document.

### write

public abstract void **write**([OutputStream](http://docs.google.com/java/io/OutputStream.html) out,  
 [Document](http://docs.google.com/javax/swing/text/Document.html) doc,  
 int pos,  
 int len)  
 throws [IOException](http://docs.google.com/java/io/IOException.html),  
 [BadLocationException](http://docs.google.com/javax/swing/text/BadLocationException.html)

Writes content from a document to the given stream in a format appropriate for this kind of content handler.

**Parameters:**out - The stream to write todoc - The source for the write.pos - The location in the document to fetch the content from >= 0.len - The amount to write out >= 0. **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - on any I/O error [BadLocationException](http://docs.google.com/javax/swing/text/BadLocationException.html) - if pos represents an invalid location within the document.

### read

public abstract void **read**([Reader](http://docs.google.com/java/io/Reader.html) in,  
 [Document](http://docs.google.com/javax/swing/text/Document.html) doc,  
 int pos)  
 throws [IOException](http://docs.google.com/java/io/IOException.html),  
 [BadLocationException](http://docs.google.com/javax/swing/text/BadLocationException.html)

Inserts content from the given stream which is expected to be in a format appropriate for this kind of content handler.

Since actual text editing is unicode based, this would generally be the preferred way to read in the data. Some types of content are stored in an 8-bit form however, and will favor the InputStream.

**Parameters:**in - The stream to read fromdoc - The destination for the insertion.pos - The location in the document to place the content >= 0. **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - on any I/O error [BadLocationException](http://docs.google.com/javax/swing/text/BadLocationException.html) - if pos represents an invalid location within the document.

### write

public abstract void **write**([Writer](http://docs.google.com/java/io/Writer.html) out,  
 [Document](http://docs.google.com/javax/swing/text/Document.html) doc,  
 int pos,  
 int len)  
 throws [IOException](http://docs.google.com/java/io/IOException.html),  
 [BadLocationException](http://docs.google.com/javax/swing/text/BadLocationException.html)

Writes content from a document to the given stream in a format appropriate for this kind of content handler.

Since actual text editing is unicode based, this would generally be the preferred way to write the data. Some types of content are stored in an 8-bit form however, and will favor the OutputStream.

**Parameters:**out - The stream to write todoc - The source for the write.pos - The location in the document to fetch the content >= 0.len - The amount to write out >= 0. **Throws:** [IOException](http://docs.google.com/java/io/IOException.html) - on any I/O error [BadLocationException](http://docs.google.com/javax/swing/text/BadLocationException.html) - if pos represents an invalid location within the document.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/EditorKit.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/swing/text/DocumentFilter.FilterBypass.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/text/Element.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/text/EditorKit.html)    [**NO FRAMES**](http://docs.google.com/EditorKit.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.

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