| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SimpleAttributeSet.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/Segment.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/text/StringContent.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/text/SimpleAttributeSet.html)    [**NO FRAMES**](http://docs.google.com/SimpleAttributeSet.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#tyjcwt) | [CONSTR](#1t3h5sf) | [METHOD](#4d34og8) | DETAIL: [FIELD](#17dp8vu) | [CONSTR](#26in1rg) | [METHOD](#1ksv4uv) |

## **javax.swing.text**

Class SimpleAttributeSet

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

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

public class **SimpleAttributeSet**extends [Object](http://docs.google.com/java/lang/Object.html)implements [MutableAttributeSet](http://docs.google.com/javax/swing/text/MutableAttributeSet.html), [Serializable](http://docs.google.com/java/io/Serializable.html), [Cloneable](http://docs.google.com/java/lang/Cloneable.html)

A straightforward implementation of MutableAttributeSet using a hash table.

**Warning:** Serialized objects of this class will not be compatible with future Swing releases. The current serialization support is appropriate for short term storage or RMI between applications running the same version of Swing. As of 1.4, support for long term storage of all JavaBeansTM has been added to the java.beans package. Please see [XMLEncoder](http://docs.google.com/java/beans/XMLEncoder.html).

| **Nested Class Summary** | |
| --- | --- |

| **Nested classes/interfaces inherited from interface javax.swing.text.**[**AttributeSet**](http://docs.google.com/javax/swing/text/AttributeSet.html) |
| --- |
| [AttributeSet.CharacterAttribute](http://docs.google.com/javax/swing/text/AttributeSet.CharacterAttribute.html), [AttributeSet.ColorAttribute](http://docs.google.com/javax/swing/text/AttributeSet.ColorAttribute.html), [AttributeSet.FontAttribute](http://docs.google.com/javax/swing/text/AttributeSet.FontAttribute.html), [AttributeSet.ParagraphAttribute](http://docs.google.com/javax/swing/text/AttributeSet.ParagraphAttribute.html) |

| **Field Summary** | |
| --- | --- |
| static [AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) | [**EMPTY**](http://docs.google.com/javax/swing/text/SimpleAttributeSet.html#EMPTY)            An empty attribute set. |

| **Fields inherited from interface javax.swing.text.**[**AttributeSet**](http://docs.google.com/javax/swing/text/AttributeSet.html) |
| --- |
| [NameAttribute](http://docs.google.com/javax/swing/text/AttributeSet.html#NameAttribute), [ResolveAttribute](http://docs.google.com/javax/swing/text/AttributeSet.html#ResolveAttribute) |

| **Constructor Summary** | |
| --- | --- |
| [**SimpleAttributeSet**](http://docs.google.com/javax/swing/text/SimpleAttributeSet.html#SimpleAttributeSet())()            Creates a new attribute set. |
| [**SimpleAttributeSet**](http://docs.google.com/javax/swing/text/SimpleAttributeSet.html#SimpleAttributeSet(javax.swing.text.AttributeSet))([AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) source)            Creates a new attribute set based on a supplied set of attributes. |

| **Method Summary** | |
| --- | --- |
| void | [**addAttribute**](http://docs.google.com/javax/swing/text/SimpleAttributeSet.html#addAttribute(java.lang.Object,%20java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) name, [Object](http://docs.google.com/java/lang/Object.html) value)            Adds an attribute to the list. |
| void | [**addAttributes**](http://docs.google.com/javax/swing/text/SimpleAttributeSet.html#addAttributes(javax.swing.text.AttributeSet))([AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) attributes)            Adds a set of attributes to the list. |
| [Object](http://docs.google.com/java/lang/Object.html) | [**clone**](http://docs.google.com/javax/swing/text/SimpleAttributeSet.html#clone())()            Clones a set of attributes. |
| boolean | [**containsAttribute**](http://docs.google.com/javax/swing/text/SimpleAttributeSet.html#containsAttribute(java.lang.Object,%20java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) name, [Object](http://docs.google.com/java/lang/Object.html) value)            Checks whether the attribute list contains a specified attribute name/value pair. |
| boolean | [**containsAttributes**](http://docs.google.com/javax/swing/text/SimpleAttributeSet.html#containsAttributes(javax.swing.text.AttributeSet))([AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) attributes)            Checks whether the attribute list contains all the specified name/value pairs. |
| [AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) | [**copyAttributes**](http://docs.google.com/javax/swing/text/SimpleAttributeSet.html#copyAttributes())()            Makes a copy of the attributes. |
| boolean | [**equals**](http://docs.google.com/javax/swing/text/SimpleAttributeSet.html#equals(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) obj)            Compares this object to the specified object. |
| [Object](http://docs.google.com/java/lang/Object.html) | [**getAttribute**](http://docs.google.com/javax/swing/text/SimpleAttributeSet.html#getAttribute(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) name)            Gets the value of an attribute. |
| int | [**getAttributeCount**](http://docs.google.com/javax/swing/text/SimpleAttributeSet.html#getAttributeCount())()            Gets a count of the number of attributes. |
| [Enumeration](http://docs.google.com/java/util/Enumeration.html)<?> | [**getAttributeNames**](http://docs.google.com/javax/swing/text/SimpleAttributeSet.html#getAttributeNames())()            Gets the names of the attributes in the set. |
| [AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) | [**getResolveParent**](http://docs.google.com/javax/swing/text/SimpleAttributeSet.html#getResolveParent())()            Gets the resolving parent. |
| int | [**hashCode**](http://docs.google.com/javax/swing/text/SimpleAttributeSet.html#hashCode())()            Returns a hashcode for this set of attributes. |
| boolean | [**isDefined**](http://docs.google.com/javax/swing/text/SimpleAttributeSet.html#isDefined(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) attrName)            Tells whether a given attribute is defined. |
| boolean | [**isEmpty**](http://docs.google.com/javax/swing/text/SimpleAttributeSet.html#isEmpty())()            Checks whether the set of attributes is empty. |
| boolean | [**isEqual**](http://docs.google.com/javax/swing/text/SimpleAttributeSet.html#isEqual(javax.swing.text.AttributeSet))([AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) attr)            Compares two attribute sets. |
| void | [**removeAttribute**](http://docs.google.com/javax/swing/text/SimpleAttributeSet.html#removeAttribute(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) name)            Removes an attribute from the list. |
| void | [**removeAttributes**](http://docs.google.com/javax/swing/text/SimpleAttributeSet.html#removeAttributes(javax.swing.text.AttributeSet))([AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) attributes)            Removes a set of attributes from the list. |
| void | [**removeAttributes**](http://docs.google.com/javax/swing/text/SimpleAttributeSet.html#removeAttributes(java.util.Enumeration))([Enumeration](http://docs.google.com/java/util/Enumeration.html)<?> names)            Removes a set of attributes from the list. |
| void | [**setResolveParent**](http://docs.google.com/javax/swing/text/SimpleAttributeSet.html#setResolveParent(javax.swing.text.AttributeSet))([AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) parent)            Sets the resolving parent. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/javax/swing/text/SimpleAttributeSet.html#toString())()            Converts the attribute set to a String. |

| **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)) |

| **Field Detail** |
| --- |

### EMPTY

public static final [AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) **EMPTY**

An empty attribute set.

| **Constructor Detail** |
| --- |

### SimpleAttributeSet

public **SimpleAttributeSet**()

Creates a new attribute set.

### SimpleAttributeSet

public **SimpleAttributeSet**([AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) source)

Creates a new attribute set based on a supplied set of attributes.

**Parameters:**source - the set of attributes

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

### isEmpty

public boolean **isEmpty**()

Checks whether the set of attributes is empty.

**Returns:**true if the set is empty else false

### getAttributeCount

public int **getAttributeCount**()

Gets a count of the number of attributes.

**Specified by:**[getAttributeCount](http://docs.google.com/javax/swing/text/AttributeSet.html#getAttributeCount()) in interface [AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) **Returns:**the count

### isDefined

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

Tells whether a given attribute is defined.

**Specified by:**[isDefined](http://docs.google.com/javax/swing/text/AttributeSet.html#isDefined(java.lang.Object)) in interface [AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) **Parameters:**attrName - the attribute name **Returns:**true if the attribute is defined

### isEqual

public boolean **isEqual**([AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) attr)

Compares two attribute sets.

**Specified by:**[isEqual](http://docs.google.com/javax/swing/text/AttributeSet.html#isEqual(javax.swing.text.AttributeSet)) in interface [AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) **Parameters:**attr - the second attribute set **Returns:**true if the sets are equal, false otherwise

### copyAttributes

public [AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) **copyAttributes**()

Makes a copy of the attributes.

**Specified by:**[copyAttributes](http://docs.google.com/javax/swing/text/AttributeSet.html#copyAttributes()) in interface [AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) **Returns:**the copy

### getAttributeNames

public [Enumeration](http://docs.google.com/java/util/Enumeration.html)<?> **getAttributeNames**()

Gets the names of the attributes in the set.

**Specified by:**[getAttributeNames](http://docs.google.com/javax/swing/text/AttributeSet.html#getAttributeNames()) in interface [AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) **Returns:**the names as an Enumeration

### getAttribute

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

Gets the value of an attribute.

**Specified by:**[getAttribute](http://docs.google.com/javax/swing/text/AttributeSet.html#getAttribute(java.lang.Object)) in interface [AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) **Parameters:**name - the attribute name **Returns:**the value

### containsAttribute

public boolean **containsAttribute**([Object](http://docs.google.com/java/lang/Object.html) name,  
 [Object](http://docs.google.com/java/lang/Object.html) value)

Checks whether the attribute list contains a specified attribute name/value pair.

**Specified by:**[containsAttribute](http://docs.google.com/javax/swing/text/AttributeSet.html#containsAttribute(java.lang.Object,%20java.lang.Object)) in interface [AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) **Parameters:**name - the namevalue - the value **Returns:**true if the name/value pair is in the list

### containsAttributes

public boolean **containsAttributes**([AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) attributes)

Checks whether the attribute list contains all the specified name/value pairs.

**Specified by:**[containsAttributes](http://docs.google.com/javax/swing/text/AttributeSet.html#containsAttributes(javax.swing.text.AttributeSet)) in interface [AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) **Parameters:**attributes - the attribute list **Returns:**true if the list contains all the name/value pairs

### addAttribute

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

Adds an attribute to the list.

**Specified by:**[addAttribute](http://docs.google.com/javax/swing/text/MutableAttributeSet.html#addAttribute(java.lang.Object,%20java.lang.Object)) in interface [MutableAttributeSet](http://docs.google.com/javax/swing/text/MutableAttributeSet.html) **Parameters:**name - the attribute namevalue - the attribute value

### addAttributes

public void **addAttributes**([AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) attributes)

Adds a set of attributes to the list.

**Specified by:**[addAttributes](http://docs.google.com/javax/swing/text/MutableAttributeSet.html#addAttributes(javax.swing.text.AttributeSet)) in interface [MutableAttributeSet](http://docs.google.com/javax/swing/text/MutableAttributeSet.html) **Parameters:**attributes - the set of attributes to add

### removeAttribute

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

Removes an attribute from the list.

**Specified by:**[removeAttribute](http://docs.google.com/javax/swing/text/MutableAttributeSet.html#removeAttribute(java.lang.Object)) in interface [MutableAttributeSet](http://docs.google.com/javax/swing/text/MutableAttributeSet.html) **Parameters:**name - the attribute name

### removeAttributes

public void **removeAttributes**([Enumeration](http://docs.google.com/java/util/Enumeration.html)<?> names)

Removes a set of attributes from the list.

**Specified by:**[removeAttributes](http://docs.google.com/javax/swing/text/MutableAttributeSet.html#removeAttributes(java.util.Enumeration)) in interface [MutableAttributeSet](http://docs.google.com/javax/swing/text/MutableAttributeSet.html) **Parameters:**names - the set of names to remove

### removeAttributes

public void **removeAttributes**([AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) attributes)

Removes a set of attributes from the list.

**Specified by:**[removeAttributes](http://docs.google.com/javax/swing/text/MutableAttributeSet.html#removeAttributes(javax.swing.text.AttributeSet)) in interface [MutableAttributeSet](http://docs.google.com/javax/swing/text/MutableAttributeSet.html) **Parameters:**attributes - the set of attributes to remove

### getResolveParent

public [AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) **getResolveParent**()

Gets the resolving parent. This is the set of attributes to resolve through if an attribute isn't defined locally. This is null if there are no other sets of attributes to resolve through.

**Specified by:**[getResolveParent](http://docs.google.com/javax/swing/text/AttributeSet.html#getResolveParent()) in interface [AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) **Returns:**the parent

### setResolveParent

public void **setResolveParent**([AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) parent)

Sets the resolving parent.

**Specified by:**[setResolveParent](http://docs.google.com/javax/swing/text/MutableAttributeSet.html#setResolveParent(javax.swing.text.AttributeSet)) in interface [MutableAttributeSet](http://docs.google.com/javax/swing/text/MutableAttributeSet.html) **Parameters:**parent - the parent

### clone

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

Clones a set of attributes.

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

### hashCode

public int **hashCode**()

Returns a hashcode for this set of attributes.

**Overrides:**[hashCode](http://docs.google.com/java/lang/Object.html#hashCode()) in class [Object](http://docs.google.com/java/lang/Object.html) **Returns:**a hashcode value for this set of attributes.**See Also:**[Object.equals(java.lang.Object)](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [Hashtable](http://docs.google.com/java/util/Hashtable.html)

### equals

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

Compares this object to the specified object. The result is true if the object is an equivalent set of attributes.

**Overrides:**[equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)) in class [Object](http://docs.google.com/java/lang/Object.html) **Parameters:**obj - the object to compare this attribute set with **Returns:**true if the objects are equal; false otherwise**See Also:**[Object.hashCode()](http://docs.google.com/java/lang/Object.html#hashCode()), [Hashtable](http://docs.google.com/java/util/Hashtable.html)

### toString

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

Converts the attribute set to a String.

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

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SimpleAttributeSet.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*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
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[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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