| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/AttributeSet.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/AsyncBoxView.ChildState.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/text/AttributeSet.CharacterAttribute.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/text/AttributeSet.html)    [**NO FRAMES**](http://docs.google.com/AttributeSet.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: [NESTED](#3znysh7) | [FIELD](#2et92p0) | CONSTR | [METHOD](#tyjcwt) | DETAIL: [FIELD](#3dy6vkm) | CONSTR | [METHOD](#2s8eyo1) |

## **javax.swing.text**

Interface AttributeSet

**All Known Subinterfaces:** [MutableAttributeSet](http://docs.google.com/javax/swing/text/MutableAttributeSet.html), [Style](http://docs.google.com/javax/swing/text/Style.html) **All Known Implementing Classes:** [AbstractDocument.AbstractElement](http://docs.google.com/javax/swing/text/AbstractDocument.AbstractElement.html), [AbstractDocument.BranchElement](http://docs.google.com/javax/swing/text/AbstractDocument.BranchElement.html), [AbstractDocument.LeafElement](http://docs.google.com/javax/swing/text/AbstractDocument.LeafElement.html), [DefaultStyledDocument.SectionElement](http://docs.google.com/javax/swing/text/DefaultStyledDocument.SectionElement.html), [HTMLDocument.BlockElement](http://docs.google.com/javax/swing/text/html/HTMLDocument.BlockElement.html), [HTMLDocument.RunElement](http://docs.google.com/javax/swing/text/html/HTMLDocument.RunElement.html), [SimpleAttributeSet](http://docs.google.com/javax/swing/text/SimpleAttributeSet.html), [StyleContext.NamedStyle](http://docs.google.com/javax/swing/text/StyleContext.NamedStyle.html), [StyleContext.SmallAttributeSet](http://docs.google.com/javax/swing/text/StyleContext.SmallAttributeSet.html)

public interface **AttributeSet**

A collection of unique attributes. This is a read-only, immutable interface. An attribute is basically a key and a value assigned to the key. The collection may represent something like a style run, a logical style, etc. These are generally used to describe features that will contribute to some graphical representation such as a font. The set of possible keys is unbounded and can be anything. Typically View implementations will respond to attribute definitions and render something to represent the attributes.

Attributes can potentially resolve in a hierarchy. If a key doesn't resolve locally, and a resolving parent exists, the key will be resolved through the parent.

**See Also:**[MutableAttributeSet](http://docs.google.com/javax/swing/text/MutableAttributeSet.html)

| **Nested Class Summary** | |
| --- | --- |
| static interface | [**AttributeSet.CharacterAttribute**](http://docs.google.com/javax/swing/text/AttributeSet.CharacterAttribute.html)            This interface is the type signature that is expected to be present on any attribute key that contributes to character level presentation. |
| static interface | [**AttributeSet.ColorAttribute**](http://docs.google.com/javax/swing/text/AttributeSet.ColorAttribute.html)            This interface is the type signature that is expected to be present on any attribute key that contributes to presentation of color. |
| static interface | [**AttributeSet.FontAttribute**](http://docs.google.com/javax/swing/text/AttributeSet.FontAttribute.html)            This interface is the type signature that is expected to be present on any attribute key that contributes to the determination of what font to use to render some text. |
| static interface | [**AttributeSet.ParagraphAttribute**](http://docs.google.com/javax/swing/text/AttributeSet.ParagraphAttribute.html)            This interface is the type signature that is expected to be present on any attribute key that contributes to the paragraph level presentation. |

| **Field Summary** | |
| --- | --- |
| static [Object](http://docs.google.com/java/lang/Object.html) | [**NameAttribute**](http://docs.google.com/javax/swing/text/AttributeSet.html#NameAttribute)            Attribute name used to name the collection of attributes. |
| static [Object](http://docs.google.com/java/lang/Object.html) | [**ResolveAttribute**](http://docs.google.com/javax/swing/text/AttributeSet.html#ResolveAttribute)            Attribute name used to identify the resolving parent set of attributes, if one is defined. |

| **Method Summary** | |
| --- | --- |
| boolean | [**containsAttribute**](http://docs.google.com/javax/swing/text/AttributeSet.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)            Returns true if this set defines an attribute with the same name and an equal value. |
| boolean | [**containsAttributes**](http://docs.google.com/javax/swing/text/AttributeSet.html#containsAttributes(javax.swing.text.AttributeSet))([AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) attributes)            Returns true if this set defines all the attributes from the given set with equal values. |
| [AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) | [**copyAttributes**](http://docs.google.com/javax/swing/text/AttributeSet.html#copyAttributes())()            Returns an attribute set that is guaranteed not to change over time. |
| [Object](http://docs.google.com/java/lang/Object.html) | [**getAttribute**](http://docs.google.com/javax/swing/text/AttributeSet.html#getAttribute(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) key)            Fetches the value of the given attribute. |
| int | [**getAttributeCount**](http://docs.google.com/javax/swing/text/AttributeSet.html#getAttributeCount())()            Returns the number of attributes that are defined locally in this set. |
| [Enumeration](http://docs.google.com/java/util/Enumeration.html)<?> | [**getAttributeNames**](http://docs.google.com/javax/swing/text/AttributeSet.html#getAttributeNames())()            Returns an enumeration over the names of the attributes that are defined locally in the set. |
| [AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) | [**getResolveParent**](http://docs.google.com/javax/swing/text/AttributeSet.html#getResolveParent())()            Gets the resolving parent. |
| boolean | [**isDefined**](http://docs.google.com/javax/swing/text/AttributeSet.html#isDefined(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) attrName)            Checks whether the named attribute has a value specified in the set without resolving through another attribute set. |
| boolean | [**isEqual**](http://docs.google.com/javax/swing/text/AttributeSet.html#isEqual(javax.swing.text.AttributeSet))([AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) attr)            Determines if the two attribute sets are equivalent. |

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

### NameAttribute

static final [Object](http://docs.google.com/java/lang/Object.html) **NameAttribute**

Attribute name used to name the collection of attributes.

### ResolveAttribute

static final [Object](http://docs.google.com/java/lang/Object.html) **ResolveAttribute**

Attribute name used to identify the resolving parent set of attributes, if one is defined.

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

### getAttributeCount

int **getAttributeCount**()

Returns the number of attributes that are defined locally in this set. Attributes that are defined in the parent set are not included.

**Returns:**the number of attributes >= 0

### isDefined

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

Checks whether the named attribute has a value specified in the set without resolving through another attribute set.

**Parameters:**attrName - the attribute name **Returns:**true if the attribute has a value specified

### isEqual

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

Determines if the two attribute sets are equivalent.

**Parameters:**attr - an attribute set **Returns:**true if the sets are equivalent

### copyAttributes

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

Returns an attribute set that is guaranteed not to change over time.

**Returns:**a copy of the attribute set

### getAttribute

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

Fetches the value of the given attribute. If the value is not found locally, the search is continued upward through the resolving parent (if one exists) until the value is either found or there are no more parents. If the value is not found, null is returned.

**Parameters:**key - the non-null key of the attribute binding **Returns:**the value

### getAttributeNames

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

Returns an enumeration over the names of the attributes that are defined locally in the set. Names of attributes defined in the resolving parent, if any, are not included. The values of the Enumeration may be anything and are not constrained to a particular Object type.

This method never returns null. For a set with no attributes, it returns an empty Enumeration.

**Returns:**the names

### containsAttribute

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

Returns true if this set defines an attribute with the same name and an equal value. If such an attribute is not found locally, it is searched through in the resolving parent hierarchy.

**Parameters:**name - the non-null attribute namevalue - the value **Returns:**true if the set defines the attribute with an equal value, either locally or through its resolving parent **Throws:** [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if either name or value is null

### containsAttributes

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

Returns true if this set defines all the attributes from the given set with equal values. If an attribute is not found locally, it is searched through in the resolving parent hierarchy.

**Parameters:**attributes - the set of attributes to check against **Returns:**true if this set defines all the attributes with equal values, either locally or through its resolving parent **Throws:** [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if attributes is null

### getResolveParent

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

Gets the resolving parent.

**Returns:**the parent

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/AttributeSet.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/AsyncBoxView.ChildState.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/text/AttributeSet.CharacterAttribute.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/text/AttributeSet.html)    [**NO FRAMES**](http://docs.google.com/AttributeSet.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: [NESTED](#3znysh7) | [FIELD](#2et92p0) | CONSTR | [METHOD](#tyjcwt) | DETAIL: [FIELD](#3dy6vkm) | CONSTR | [METHOD](#2s8eyo1) |

[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).