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

## **javax.swing.text**

Interface AbstractDocument.AttributeContext

**All Known Implementing Classes:** [StyleContext](http://docs.google.com/javax/swing/text/StyleContext.html), [StyleSheet](http://docs.google.com/javax/swing/text/html/StyleSheet.html) **Enclosing class:**[AbstractDocument](http://docs.google.com/javax/swing/text/AbstractDocument.html)

public static interface **AbstractDocument.AttributeContext**

An interface that can be used to allow MutableAttributeSet implementations to use pluggable attribute compression techniques. Each mutation of the attribute set can be used to exchange a previous AttributeSet instance with another, preserving the possibility of the AttributeSet remaining immutable. An implementation is provided by the StyleContext class. The Element implementations provided by this class use this interface to provide their MutableAttributeSet implementations, so that different AttributeSet compression techniques can be employed. The method getAttributeContext should be implemented to return the object responsible for implementing the desired compression technique.

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

| **Method Summary** | |
| --- | --- |
| [AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) | [**addAttribute**](http://docs.google.com/javax/swing/text/AbstractDocument.AttributeContext.html#addAttribute(javax.swing.text.AttributeSet,%20java.lang.Object,%20java.lang.Object))([AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) old, [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 given set, and returns the new representative set. |
| [AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) | [**addAttributes**](http://docs.google.com/javax/swing/text/AbstractDocument.AttributeContext.html#addAttributes(javax.swing.text.AttributeSet,%20javax.swing.text.AttributeSet))([AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) old, [AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) attr)            Adds a set of attributes to the element. |
| [AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) | [**getEmptySet**](http://docs.google.com/javax/swing/text/AbstractDocument.AttributeContext.html#getEmptySet())()            Fetches an empty AttributeSet. |
| void | [**reclaim**](http://docs.google.com/javax/swing/text/AbstractDocument.AttributeContext.html#reclaim(javax.swing.text.AttributeSet))([AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) a)            Reclaims an attribute set. |
| [AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) | [**removeAttribute**](http://docs.google.com/javax/swing/text/AbstractDocument.AttributeContext.html#removeAttribute(javax.swing.text.AttributeSet,%20java.lang.Object))([AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) old, [Object](http://docs.google.com/java/lang/Object.html) name)            Removes an attribute from the set. |
| [AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) | [**removeAttributes**](http://docs.google.com/javax/swing/text/AbstractDocument.AttributeContext.html#removeAttributes(javax.swing.text.AttributeSet,%20javax.swing.text.AttributeSet))([AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) old, [AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) attrs)            Removes a set of attributes for the element. |
| [AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) | [**removeAttributes**](http://docs.google.com/javax/swing/text/AbstractDocument.AttributeContext.html#removeAttributes(javax.swing.text.AttributeSet,%20java.util.Enumeration))([AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) old, [Enumeration](http://docs.google.com/java/util/Enumeration.html)<?> names)            Removes a set of attributes for the element. |

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

### addAttribute

[AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) **addAttribute**([AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) old,  
 [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 given set, and returns the new representative set.

**Parameters:**old - the old attribute setname - the non-null attribute namevalue - the attribute value **Returns:**the updated attribute set**See Also:**[MutableAttributeSet.addAttribute(java.lang.Object, java.lang.Object)](http://docs.google.com/javax/swing/text/MutableAttributeSet.html#addAttribute(java.lang.Object,%20java.lang.Object))

### addAttributes

[AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) **addAttributes**([AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) old,  
 [AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) attr)

Adds a set of attributes to the element.

**Parameters:**old - the old attribute setattr - the attributes to add **Returns:**the updated attribute set**See Also:**[MutableAttributeSet.addAttribute(java.lang.Object, java.lang.Object)](http://docs.google.com/javax/swing/text/MutableAttributeSet.html#addAttribute(java.lang.Object,%20java.lang.Object))

### removeAttribute

[AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) **removeAttribute**([AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) old,  
 [Object](http://docs.google.com/java/lang/Object.html) name)

Removes an attribute from the set.

**Parameters:**old - the old attribute setname - the non-null attribute name **Returns:**the updated attribute set**See Also:**[MutableAttributeSet.removeAttribute(java.lang.Object)](http://docs.google.com/javax/swing/text/MutableAttributeSet.html#removeAttribute(java.lang.Object))

### removeAttributes

[AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) **removeAttributes**([AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) old,  
 [Enumeration](http://docs.google.com/java/util/Enumeration.html)<?> names)

Removes a set of attributes for the element.

**Parameters:**old - the old attribute setnames - the attribute names **Returns:**the updated attribute set**See Also:**[MutableAttributeSet.removeAttributes(java.util.Enumeration)](http://docs.google.com/javax/swing/text/MutableAttributeSet.html#removeAttributes(java.util.Enumeration))

### removeAttributes

[AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) **removeAttributes**([AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) old,  
 [AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) attrs)

Removes a set of attributes for the element.

**Parameters:**old - the old attribute setattrs - the attributes **Returns:**the updated attribute set**See Also:**[MutableAttributeSet.removeAttributes(java.util.Enumeration)](http://docs.google.com/javax/swing/text/MutableAttributeSet.html#removeAttributes(java.util.Enumeration))

### getEmptySet

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

Fetches an empty AttributeSet.

**Returns:**the attribute set

### reclaim

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

Reclaims an attribute set. This is a way for a MutableAttributeSet to mark that it no longer need a particular immutable set. This is only necessary in 1.1 where there are no weak references. A 1.1 implementation would call this in its finalize method.

**Parameters:**a - the attribute set to reclaim

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

[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).