| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SynthContext.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/plaf/synth/SynthConstants.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/plaf/synth/SynthGraphicsUtils.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/plaf/synth/SynthContext.html)    [**NO FRAMES**](http://docs.google.com/SynthContext.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.plaf.synth**

Class SynthContext

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **javax.swing.plaf.synth.SynthContext**

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

An immutable transient object containing contextual information about a Region. A SynthContext should only be considered valid for the duration of the method it is passed to. In other words you should not cache a SynthContext that is passed to you and expect it to remain valid.

**Since:** 1.5

| **Constructor Summary** | |
| --- | --- |
| [**SynthContext**](http://docs.google.com/javax/swing/plaf/synth/SynthContext.html#SynthContext(javax.swing.JComponent,%20javax.swing.plaf.synth.Region,%20javax.swing.plaf.synth.SynthStyle,%20int))([JComponent](http://docs.google.com/javax/swing/JComponent.html) component, [Region](http://docs.google.com/javax/swing/plaf/synth/Region.html) region, [SynthStyle](http://docs.google.com/javax/swing/plaf/synth/SynthStyle.html) style, int state)            Creates a SynthContext with the specified values. |

| **Method Summary** | |
| --- | --- |
| [JComponent](http://docs.google.com/javax/swing/JComponent.html) | [**getComponent**](http://docs.google.com/javax/swing/plaf/synth/SynthContext.html#getComponent())()            Returns the hosting component containing the region. |
| int | [**getComponentState**](http://docs.google.com/javax/swing/plaf/synth/SynthContext.html#getComponentState())()            Returns the state of the widget, which is a bitmask of the values defined in SynthConstants. |
| [Region](http://docs.google.com/javax/swing/plaf/synth/Region.html) | [**getRegion**](http://docs.google.com/javax/swing/plaf/synth/SynthContext.html#getRegion())()            Returns the Region identifying this state. |
| [SynthStyle](http://docs.google.com/javax/swing/plaf/synth/SynthStyle.html) | [**getStyle**](http://docs.google.com/javax/swing/plaf/synth/SynthContext.html#getStyle())()            Returns the style associated with this Region. |

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

### SynthContext

public **SynthContext**([JComponent](http://docs.google.com/javax/swing/JComponent.html) component,  
 [Region](http://docs.google.com/javax/swing/plaf/synth/Region.html) region,  
 [SynthStyle](http://docs.google.com/javax/swing/plaf/synth/SynthStyle.html) style,  
 int state)

Creates a SynthContext with the specified values. This is meant for subclasses and custom UI implementors. You very rarely need to construct a SynthContext, though some methods will take one.

**Parameters:**component - JComponentregion - Identifies the portion of the JComponentstyle - Style associated with the componentstate - State of the component as defined in SynthConstants. **Throws:** [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if component, region of style is null.

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

### getComponent

public [JComponent](http://docs.google.com/javax/swing/JComponent.html) **getComponent**()

Returns the hosting component containing the region.

**Returns:**Hosting Component

### getRegion

public [Region](http://docs.google.com/javax/swing/plaf/synth/Region.html) **getRegion**()

Returns the Region identifying this state.

**Returns:**Region of the hosting component

### getStyle

public [SynthStyle](http://docs.google.com/javax/swing/plaf/synth/SynthStyle.html) **getStyle**()

Returns the style associated with this Region.

**Returns:**SynthStyle associated with the region.

### getComponentState

public int **getComponentState**()

Returns the state of the widget, which is a bitmask of the values defined in SynthConstants. A region will at least be in one of ENABLED, MOUSE\_OVER, PRESSED or DISABLED.

**Returns:**State of Component**See Also:**[SynthConstants](http://docs.google.com/javax/swing/plaf/synth/SynthConstants.html)

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/SynthContext.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/plaf/synth/SynthConstants.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/plaf/synth/SynthGraphicsUtils.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/plaf/synth/SynthContext.html)    [**NO FRAMES**](http://docs.google.com/SynthContext.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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