| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/DefaultStyledDocument.ElementSpec.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/DefaultStyledDocument.ElementBuffer.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/text/DefaultStyledDocument.SectionElement.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/text/DefaultStyledDocument.ElementSpec.html)    [**NO FRAMES**](http://docs.google.com/DefaultStyledDocument.ElementSpec.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#1t3h5sf) | [CONSTR](#1ksv4uv) | [METHOD](#3j2qqm3) |

## **javax.swing.text**

Class DefaultStyledDocument.ElementSpec

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

**Enclosing class:**[DefaultStyledDocument](http://docs.google.com/javax/swing/text/DefaultStyledDocument.html)

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

Specification for building elements.

**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).

| **Field Summary** | |
| --- | --- |
| static short | [**ContentType**](http://docs.google.com/javax/swing/text/DefaultStyledDocument.ElementSpec.html#ContentType)            A possible value for getType. |
| static short | [**EndTagType**](http://docs.google.com/javax/swing/text/DefaultStyledDocument.ElementSpec.html#EndTagType)            A possible value for getType. |
| static short | [**JoinFractureDirection**](http://docs.google.com/javax/swing/text/DefaultStyledDocument.ElementSpec.html#JoinFractureDirection)            A possible value for getDirection. |
| static short | [**JoinNextDirection**](http://docs.google.com/javax/swing/text/DefaultStyledDocument.ElementSpec.html#JoinNextDirection)            A possible value for getDirection. |
| static short | [**JoinPreviousDirection**](http://docs.google.com/javax/swing/text/DefaultStyledDocument.ElementSpec.html#JoinPreviousDirection)            A possible value for getDirection. |
| static short | [**OriginateDirection**](http://docs.google.com/javax/swing/text/DefaultStyledDocument.ElementSpec.html#OriginateDirection)            A possible value for getDirection. |
| static short | [**StartTagType**](http://docs.google.com/javax/swing/text/DefaultStyledDocument.ElementSpec.html#StartTagType)            A possible value for getType. |

| **Constructor Summary** | |
| --- | --- |
| [**DefaultStyledDocument.ElementSpec**](http://docs.google.com/javax/swing/text/DefaultStyledDocument.ElementSpec.html#DefaultStyledDocument.ElementSpec(javax.swing.text.AttributeSet,%20short))([AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) a, short type)            Constructor useful for markup when the markup will not be stored in the document. |
| [**DefaultStyledDocument.ElementSpec**](http://docs.google.com/javax/swing/text/DefaultStyledDocument.ElementSpec.html#DefaultStyledDocument.ElementSpec(javax.swing.text.AttributeSet,%20short,%20char%5B%5D,%20int,%20int))([AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) a, short type, char[] txt, int offs, int len)            Constructor for creating a spec externally for batch input of content and markup into the document. |
| [**DefaultStyledDocument.ElementSpec**](http://docs.google.com/javax/swing/text/DefaultStyledDocument.ElementSpec.html#DefaultStyledDocument.ElementSpec(javax.swing.text.AttributeSet,%20short,%20int))([AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) a, short type, int len)            Constructor for parsing inside the document when the data has already been added, but len information is needed. |

| **Method Summary** | |
| --- | --- |
| char[] | [**getArray**](http://docs.google.com/javax/swing/text/DefaultStyledDocument.ElementSpec.html#getArray())()            Gets the array of characters. |
| [AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) | [**getAttributes**](http://docs.google.com/javax/swing/text/DefaultStyledDocument.ElementSpec.html#getAttributes())()            Gets the element attributes. |
| short | [**getDirection**](http://docs.google.com/javax/swing/text/DefaultStyledDocument.ElementSpec.html#getDirection())()            Gets the direction. |
| int | [**getLength**](http://docs.google.com/javax/swing/text/DefaultStyledDocument.ElementSpec.html#getLength())()            Gets the length. |
| int | [**getOffset**](http://docs.google.com/javax/swing/text/DefaultStyledDocument.ElementSpec.html#getOffset())()            Gets the starting offset. |
| short | [**getType**](http://docs.google.com/javax/swing/text/DefaultStyledDocument.ElementSpec.html#getType())()            Gets the element type. |
| void | [**setDirection**](http://docs.google.com/javax/swing/text/DefaultStyledDocument.ElementSpec.html#setDirection(short))(short direction)            Sets the direction. |
| void | [**setType**](http://docs.google.com/javax/swing/text/DefaultStyledDocument.ElementSpec.html#setType(short))(short type)            Sets the element type. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/javax/swing/text/DefaultStyledDocument.ElementSpec.html#toString())()            Converts the element to a string. |

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

### StartTagType

public static final short **StartTagType**

A possible value for getType. This specifies that this record type is a start tag and represents markup that specifies the start of an element.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.swing.text.DefaultStyledDocument.ElementSpec.StartTagType)

### EndTagType

public static final short **EndTagType**

A possible value for getType. This specifies that this record type is a end tag and represents markup that specifies the end of an element.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.swing.text.DefaultStyledDocument.ElementSpec.EndTagType)

### ContentType

public static final short **ContentType**

A possible value for getType. This specifies that this record type represents content.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.swing.text.DefaultStyledDocument.ElementSpec.ContentType)

### JoinPreviousDirection

public static final short **JoinPreviousDirection**

A possible value for getDirection. This specifies that the data associated with this record should be joined to what precedes it.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.swing.text.DefaultStyledDocument.ElementSpec.JoinPreviousDirection)

### JoinNextDirection

public static final short **JoinNextDirection**

A possible value for getDirection. This specifies that the data associated with this record should be joined to what follows it.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.swing.text.DefaultStyledDocument.ElementSpec.JoinNextDirection)

### OriginateDirection

public static final short **OriginateDirection**

A possible value for getDirection. This specifies that the data associated with this record should be used to originate a new element. This would be the normal value.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.swing.text.DefaultStyledDocument.ElementSpec.OriginateDirection)

### JoinFractureDirection

public static final short **JoinFractureDirection**

A possible value for getDirection. This specifies that the data associated with this record should be joined to the fractured element.

**See Also:**[Constant Field Values](http://docs.google.com/constant-values.html#javax.swing.text.DefaultStyledDocument.ElementSpec.JoinFractureDirection)

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

### DefaultStyledDocument.ElementSpec

public **DefaultStyledDocument.ElementSpec**([AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) a,  
 short type)

Constructor useful for markup when the markup will not be stored in the document.

**Parameters:**a - the attributes for the elementtype - the type of the element (StartTagType, EndTagType, ContentType)

### DefaultStyledDocument.ElementSpec

public **DefaultStyledDocument.ElementSpec**([AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) a,  
 short type,  
 int len)

Constructor for parsing inside the document when the data has already been added, but len information is needed.

**Parameters:**a - the attributes for the elementtype - the type of the element (StartTagType, EndTagType, ContentType)len - the length >= 0

### DefaultStyledDocument.ElementSpec

public **DefaultStyledDocument.ElementSpec**([AttributeSet](http://docs.google.com/javax/swing/text/AttributeSet.html) a,  
 short type,  
 char[] txt,  
 int offs,  
 int len)

Constructor for creating a spec externally for batch input of content and markup into the document.

**Parameters:**a - the attributes for the elementtype - the type of the element (StartTagType, EndTagType, ContentType)txt - the text for the elementoffs - the offset into the text >= 0len - the length of the text >= 0

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

### setType

public void **setType**(short type)

Sets the element type.

**Parameters:**type - the type of the element (StartTagType, EndTagType, ContentType)

### getType

public short **getType**()

Gets the element type.

**Returns:**the type of the element (StartTagType, EndTagType, ContentType)

### setDirection

public void **setDirection**(short direction)

Sets the direction.

**Parameters:**direction - the direction (JoinPreviousDirection, JoinNextDirection)

### getDirection

public short **getDirection**()

Gets the direction.

**Returns:**the direction (JoinPreviousDirection, JoinNextDirection)

### getAttributes

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

Gets the element attributes.

**Returns:**the attribute set

### getArray

public char[] **getArray**()

Gets the array of characters.

**Returns:**the array

### getOffset

public int **getOffset**()

Gets the starting offset.

**Returns:**the offset >= 0

### getLength

public int **getLength**()

Gets the length.

**Returns:**the length >= 0

### toString

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

Converts the element 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/DefaultStyledDocument.ElementSpec.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/DefaultStyledDocument.ElementBuffer.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/text/DefaultStyledDocument.SectionElement.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/text/DefaultStyledDocument.ElementSpec.html)    [**NO FRAMES**](http://docs.google.com/DefaultStyledDocument.ElementSpec.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#1t3h5sf) | [CONSTR](#1ksv4uv) | [METHOD](#3j2qqm3) |

[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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