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

## **javax.swing.text**

Class TabStop

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

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html)

public class **TabStop**extends [Object](http://docs.google.com/java/lang/Object.html)implements [Serializable](http://docs.google.com/java/io/Serializable.html)

This class encapsulates a single tab stop (basically as tab stops are thought of by RTF). A tab stop is at a specified distance from the left margin, aligns text in a specified way, and has a specified leader. TabStops are immutable, and usually contained in TabSets.

**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 int | [**ALIGN\_BAR**](http://docs.google.com/javax/swing/text/TabStop.html#ALIGN_BAR) |
| static int | [**ALIGN\_CENTER**](http://docs.google.com/javax/swing/text/TabStop.html#ALIGN_CENTER)            Characters following tab are positioned such that all following characters up to next tab/newline are centered around the tabs location. |
| static int | [**ALIGN\_DECIMAL**](http://docs.google.com/javax/swing/text/TabStop.html#ALIGN_DECIMAL)            Characters following tab are aligned such that next decimal/tab/newline is at the tab location, very similar to RIGHT\_TAB, just includes decimal as additional character to look for. |
| static int | [**ALIGN\_LEFT**](http://docs.google.com/javax/swing/text/TabStop.html#ALIGN_LEFT)            Character following tab is positioned at location. |
| static int | [**ALIGN\_RIGHT**](http://docs.google.com/javax/swing/text/TabStop.html#ALIGN_RIGHT)            Characters following tab are positioned such that all following characters up to next tab/newline end at location. |
| static int | [**LEAD\_DOTS**](http://docs.google.com/javax/swing/text/TabStop.html#LEAD_DOTS) |
| static int | [**LEAD\_EQUALS**](http://docs.google.com/javax/swing/text/TabStop.html#LEAD_EQUALS) |
| static int | [**LEAD\_HYPHENS**](http://docs.google.com/javax/swing/text/TabStop.html#LEAD_HYPHENS) |
| static int | [**LEAD\_NONE**](http://docs.google.com/javax/swing/text/TabStop.html#LEAD_NONE) |
| static int | [**LEAD\_THICKLINE**](http://docs.google.com/javax/swing/text/TabStop.html#LEAD_THICKLINE) |
| static int | [**LEAD\_UNDERLINE**](http://docs.google.com/javax/swing/text/TabStop.html#LEAD_UNDERLINE) |

| **Constructor Summary** | |
| --- | --- |
| [**TabStop**](http://docs.google.com/javax/swing/text/TabStop.html#TabStop(float))(float pos)            Creates a tab at position pos with a default alignment and default leader. |
| [**TabStop**](http://docs.google.com/javax/swing/text/TabStop.html#TabStop(float,%20int,%20int))(float pos, int align, int leader)            Creates a tab with the specified position pos, alignment align and leader leader. |

| **Method Summary** | |
| --- | --- |
| boolean | [**equals**](http://docs.google.com/javax/swing/text/TabStop.html#equals(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) other)            Returns true if the tabs are equal. |
| int | [**getAlignment**](http://docs.google.com/javax/swing/text/TabStop.html#getAlignment())()            Returns the alignment, as an integer, of the tab. |
| int | [**getLeader**](http://docs.google.com/javax/swing/text/TabStop.html#getLeader())()            Returns the leader of the tab. |
| float | [**getPosition**](http://docs.google.com/javax/swing/text/TabStop.html#getPosition())()            Returns the position, as a float, of the tab. |
| int | [**hashCode**](http://docs.google.com/javax/swing/text/TabStop.html#hashCode())()            Returns the hashCode for the object. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/javax/swing/text/TabStop.html#toString())()            Returns a string representation of the object. |

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

### ALIGN\_LEFT

public static final int **ALIGN\_LEFT**

Character following tab is positioned at location.

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

### ALIGN\_RIGHT

public static final int **ALIGN\_RIGHT**

Characters following tab are positioned such that all following characters up to next tab/newline end at location.

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

### ALIGN\_CENTER

public static final int **ALIGN\_CENTER**

Characters following tab are positioned such that all following characters up to next tab/newline are centered around the tabs location.

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

### ALIGN\_DECIMAL

public static final int **ALIGN\_DECIMAL**

Characters following tab are aligned such that next decimal/tab/newline is at the tab location, very similar to RIGHT\_TAB, just includes decimal as additional character to look for.

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

### ALIGN\_BAR

public static final int **ALIGN\_BAR**

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

### LEAD\_NONE

public static final int **LEAD\_NONE**

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

### LEAD\_DOTS

public static final int **LEAD\_DOTS**

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

### LEAD\_HYPHENS

public static final int **LEAD\_HYPHENS**

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

### LEAD\_UNDERLINE

public static final int **LEAD\_UNDERLINE**

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

### LEAD\_THICKLINE

public static final int **LEAD\_THICKLINE**

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

### LEAD\_EQUALS

public static final int **LEAD\_EQUALS**

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

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

### TabStop

public **TabStop**(float pos)

Creates a tab at position pos with a default alignment and default leader.

### TabStop

public **TabStop**(float pos,  
 int align,  
 int leader)

Creates a tab with the specified position pos, alignment align and leader leader.

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

### getPosition

public float **getPosition**()

Returns the position, as a float, of the tab.

**Returns:**the position of the tab

### getAlignment

public int **getAlignment**()

Returns the alignment, as an integer, of the tab.

**Returns:**the alignment of the tab

### getLeader

public int **getLeader**()

Returns the leader of the tab.

**Returns:**the leader of the tab

### equals

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

Returns true if the tabs are equal.

**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:**other - the reference object with which to compare. **Returns:**true if the tabs are equal, otherwise false**See Also:**[Object.hashCode()](http://docs.google.com/java/lang/Object.html#hashCode()), [Hashtable](http://docs.google.com/java/util/Hashtable.html)

### hashCode

public int **hashCode**()

Returns the hashCode for the object. This must be defined here to ensure 100% pure.

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

### toString

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

**Description copied from class:** [**Object**](http://docs.google.com/java/lang/Object.html#toString()) Returns a string representation of the object. In general, the toString method returns a string that "textually represents" this object. The result should be a concise but informative representation that is easy for a person to read. It is recommended that all subclasses override this method.

The toString method for class Object returns a string consisting of the name of the class of which the object is an instance, the at-sign character `@', and the unsigned hexadecimal representation of the hash code of the object. In other words, this method returns a string equal to the value of:

getClass().getName() + '@' + Integer.toHexString(hashCode())

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

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

[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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