| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/JobAttributes.SidesType.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/java/awt/JobAttributes.MultipleDocumentHandlingType.html)   [**NEXT CLASS**](http://docs.google.com/java/awt/KeyboardFocusManager.html) | [**FRAMES**](http://docs.google.com/index.html?java/awt/JobAttributes.SidesType.html)    [**NO FRAMES**](http://docs.google.com/JobAttributes.SidesType.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | CONSTR | [METHOD](#2et92p0) | DETAIL: [FIELD](#3dy6vkm) | CONSTR | [METHOD](#17dp8vu) |

## **java.awt**

Class JobAttributes.SidesType

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **java.awt.JobAttributes.SidesType**

**Enclosing class:**[JobAttributes](http://docs.google.com/java/awt/JobAttributes.html)

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

A type-safe enumeration of possible multi-page impositions. These impositions are in compliance with IPP 1.1.

**Since:** 1.3

| **Field Summary** | |
| --- | --- |
| static [JobAttributes.SidesType](http://docs.google.com/java/awt/JobAttributes.SidesType.html) | [**ONE\_SIDED**](http://docs.google.com/java/awt/JobAttributes.SidesType.html#ONE_SIDED)            The SidesType instance to use for specifying that consecutive job pages should be printed upon the same side of consecutive media sheets. |
| static [JobAttributes.SidesType](http://docs.google.com/java/awt/JobAttributes.SidesType.html) | [**TWO\_SIDED\_LONG\_EDGE**](http://docs.google.com/java/awt/JobAttributes.SidesType.html#TWO_SIDED_LONG_EDGE)            The SidesType instance to use for specifying that consecutive job pages should be printed upon front and back sides of consecutive media sheets, such that the orientation of each pair of pages on the medium would be correct for the reader as if for binding on the long edge. |
| static [JobAttributes.SidesType](http://docs.google.com/java/awt/JobAttributes.SidesType.html) | [**TWO\_SIDED\_SHORT\_EDGE**](http://docs.google.com/java/awt/JobAttributes.SidesType.html#TWO_SIDED_SHORT_EDGE)            The SidesType instance to use for specifying that consecutive job pages should be printed upon front and back sides of consecutive media sheets, such that the orientation of each pair of pages on the medium would be correct for the reader as if for binding on the short edge. |

| **Method Summary** | |
| --- | --- |
| int | [**hashCode**](http://docs.google.com/java/awt/JobAttributes.SidesType.html#hashCode())()            Returns a hash code value for the object. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/java/awt/JobAttributes.SidesType.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()), [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()), [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** |
| --- |

### ONE\_SIDED

public static final [JobAttributes.SidesType](http://docs.google.com/java/awt/JobAttributes.SidesType.html) **ONE\_SIDED**

The SidesType instance to use for specifying that consecutive job pages should be printed upon the same side of consecutive media sheets.

### TWO\_SIDED\_LONG\_EDGE

public static final [JobAttributes.SidesType](http://docs.google.com/java/awt/JobAttributes.SidesType.html) **TWO\_SIDED\_LONG\_EDGE**

The SidesType instance to use for specifying that consecutive job pages should be printed upon front and back sides of consecutive media sheets, such that the orientation of each pair of pages on the medium would be correct for the reader as if for binding on the long edge.

### TWO\_SIDED\_SHORT\_EDGE

public static final [JobAttributes.SidesType](http://docs.google.com/java/awt/JobAttributes.SidesType.html) **TWO\_SIDED\_SHORT\_EDGE**

The SidesType instance to use for specifying that consecutive job pages should be printed upon front and back sides of consecutive media sheets, such that the orientation of each pair of pages on the medium would be correct for the reader as if for binding on the short edge.

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

### hashCode

public int **hashCode**()

**Description copied from class:** [**Object**](http://docs.google.com/java/lang/Object.html#hashCode()) Returns a hash code value for the object. This method is supported for the benefit of hashtables such as those provided by java.util.Hashtable.

The general contract of hashCode is:

* Whenever it is invoked on the same object more than once during an execution of a Java application, the hashCode method must consistently return the same integer, provided no information used in equals comparisons on the object is modified. This integer need not remain consistent from one execution of an application to another execution of the same application.
* If two objects are equal according to the equals(Object) method, then calling the hashCode method on each of the two objects must produce the same integer result.
* It is *not* required that if two objects are unequal according to the [Object.equals(java.lang.Object)](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)) method, then calling the hashCode method on each of the two objects must produce distinct integer results. However, the programmer should be aware that producing distinct integer results for unequal objects may improve the performance of hashtables.

As much as is reasonably practical, the hashCode method defined by class Object does return distinct integers for distinct objects. (This is typically implemented by converting the internal address of the object into an integer, but this implementation technique is not required by the JavaTM programming language.)

**Overrides:**[hashCode](http://docs.google.com/java/lang/Object.html#hashCode()) in class [Object](http://docs.google.com/java/lang/Object.html) **Returns:**a hash code value for this 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/JobAttributes.SidesType.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*** |
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[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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