| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/IntegerSyntax.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/print/attribute/HashPrintServiceAttributeSet.html)   [**NEXT CLASS**](http://docs.google.com/javax/print/attribute/PrintJobAttribute.html) | [**FRAMES**](http://docs.google.com/index.html?javax/print/attribute/IntegerSyntax.html)    [**NO FRAMES**](http://docs.google.com/IntegerSyntax.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#2s8eyo1) |

## **javax.print.attribute**

Class IntegerSyntax

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **javax.print.attribute.IntegerSyntax**

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html), [Cloneable](http://docs.google.com/java/lang/Cloneable.html) **Direct Known Subclasses:** [Copies](http://docs.google.com/javax/print/attribute/standard/Copies.html), [JobImpressions](http://docs.google.com/javax/print/attribute/standard/JobImpressions.html), [JobImpressionsCompleted](http://docs.google.com/javax/print/attribute/standard/JobImpressionsCompleted.html), [JobKOctets](http://docs.google.com/javax/print/attribute/standard/JobKOctets.html), [JobKOctetsProcessed](http://docs.google.com/javax/print/attribute/standard/JobKOctetsProcessed.html), [JobMediaSheets](http://docs.google.com/javax/print/attribute/standard/JobMediaSheets.html), [JobMediaSheetsCompleted](http://docs.google.com/javax/print/attribute/standard/JobMediaSheetsCompleted.html), [JobPriority](http://docs.google.com/javax/print/attribute/standard/JobPriority.html), [JobPrioritySupported](http://docs.google.com/javax/print/attribute/standard/JobPrioritySupported.html), [NumberOfDocuments](http://docs.google.com/javax/print/attribute/standard/NumberOfDocuments.html), [NumberOfInterveningJobs](http://docs.google.com/javax/print/attribute/standard/NumberOfInterveningJobs.html), [NumberUp](http://docs.google.com/javax/print/attribute/standard/NumberUp.html), [PagesPerMinute](http://docs.google.com/javax/print/attribute/standard/PagesPerMinute.html), [PagesPerMinuteColor](http://docs.google.com/javax/print/attribute/standard/PagesPerMinuteColor.html), [QueuedJobCount](http://docs.google.com/javax/print/attribute/standard/QueuedJobCount.html)

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

Class IntegerSyntax is an abstract base class providing the common implementation of all attributes with integer values.

Under the hood, an integer attribute is just an integer. You can get an integer attribute's integer value by calling [getValue()](http://docs.google.com/javax/print/attribute/IntegerSyntax.html#getValue()). An integer attribute's integer value is established when it is constructed (see [IntegerSyntax(int)](http://docs.google.com/javax/print/attribute/IntegerSyntax.html#IntegerSyntax(int))). Once constructed, an integer attribute's value is immutable.

**See Also:**[Serialized Form](http://docs.google.com/serialized-form.html#javax.print.attribute.IntegerSyntax)

| **Constructor Summary** | |
| --- | --- |
| protected | [**IntegerSyntax**](http://docs.google.com/javax/print/attribute/IntegerSyntax.html#IntegerSyntax(int))(int value)            Construct a new integer attribute with the given integer value. |
| protected | [**IntegerSyntax**](http://docs.google.com/javax/print/attribute/IntegerSyntax.html#IntegerSyntax(int,%20int,%20int))(int value, int lowerBound, int upperBound)            Construct a new integer attribute with the given integer value, which must lie within the given range. |

| **Method Summary** | |
| --- | --- |
| boolean | [**equals**](http://docs.google.com/javax/print/attribute/IntegerSyntax.html#equals(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) object)            Returns whether this integer attribute is equivalent to the passed in object. |
| int | [**getValue**](http://docs.google.com/javax/print/attribute/IntegerSyntax.html#getValue())()            Returns this integer attribute's integer value. |
| int | [**hashCode**](http://docs.google.com/javax/print/attribute/IntegerSyntax.html#hashCode())()            Returns a hash code value for this integer attribute. |
| [String](http://docs.google.com/java/lang/String.html) | [**toString**](http://docs.google.com/javax/print/attribute/IntegerSyntax.html#toString())()            Returns a string value corresponding to this integer attribute. |

| **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)) |

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

### IntegerSyntax

protected **IntegerSyntax**(int value)

Construct a new integer attribute with the given integer value.

**Parameters:**value - Integer value.

### IntegerSyntax

protected **IntegerSyntax**(int value,  
 int lowerBound,  
 int upperBound)

Construct a new integer attribute with the given integer value, which must lie within the given range.

**Parameters:**value - Integer value.lowerBound - Lower bound.upperBound - Upper bound. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - (Unchecked exception) Thrown if value is less than lowerBound or greater than upperBound.

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

### getValue

public int **getValue**()

Returns this integer attribute's integer value.

**Returns:**the integer value

### equals

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

Returns whether this integer attribute is equivalent to the passed in object. To be equivalent, all of the following conditions must be true:

1. object is not null.
2. object is an instance of class IntegerSyntax.
3. This integer attribute's value and object's value 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:**object - Object to compare to. **Returns:**True if object is equivalent to this integer attribute, false otherwise.**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 a hash code value for this integer attribute. The hash code is just this integer attribute's integer value.

**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**()

Returns a string value corresponding to this integer attribute. The string value is just this integer attribute's integer value converted 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:**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/IntegerSyntax.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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