| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/OrientationRequested.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/standard/NumberUpSupported.html)   [**NEXT CLASS**](http://docs.google.com/javax/print/attribute/standard/OutputDeviceAssigned.html) | [**FRAMES**](http://docs.google.com/index.html?javax/print/attribute/standard/OrientationRequested.html)    [**NO FRAMES**](http://docs.google.com/OrientationRequested.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#4d34og8) | [CONSTR](#lnxbz9) | [METHOD](#1ksv4uv) |

## **javax.print.attribute.standard**

Class OrientationRequested

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

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html), [Cloneable](http://docs.google.com/java/lang/Cloneable.html), [Attribute](http://docs.google.com/javax/print/attribute/Attribute.html), [DocAttribute](http://docs.google.com/javax/print/attribute/DocAttribute.html), [PrintJobAttribute](http://docs.google.com/javax/print/attribute/PrintJobAttribute.html), [PrintRequestAttribute](http://docs.google.com/javax/print/attribute/PrintRequestAttribute.html)

public final class **OrientationRequested**extends [EnumSyntax](http://docs.google.com/javax/print/attribute/EnumSyntax.html)implements [DocAttribute](http://docs.google.com/javax/print/attribute/DocAttribute.html), [PrintRequestAttribute](http://docs.google.com/javax/print/attribute/PrintRequestAttribute.html), [PrintJobAttribute](http://docs.google.com/javax/print/attribute/PrintJobAttribute.html)

Class OrientationRequested is a printing attribute class, an enumeration, that indicates the desired orientation for printed print-stream pages; it does not describe the orientation of the client-supplied print-stream pages.

For some document formats (such as "application/postscript"), the desired orientation of the print-stream pages is specified within the document data. This information is generated by a device driver prior to the submission of the print job. Other document formats (such as "text/plain") do not include the notion of desired orientation within the document data. In the latter case it is possible for the printer to bind the desired orientation to the document data after it has been submitted. It is expected that a printer would only support the OrientationRequested attribute for some document formats (e.g., "text/plain" or "text/html") but not others (e.g. "application/postscript"). This is no different from any other job template attribute, since a print job can always impose constraints among the values of different job template attributes. However, a special mention is made here since it is very likely that a printer will support the OrientationRequested attribute for only a subset of the supported document formats.

**IPP Compatibility:** The category name returned by getName() is the IPP attribute name. The enumeration's integer value is the IPP enum value. The toString() method returns the IPP string representation of the attribute value.

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

| **Field Summary** | |
| --- | --- |
| static [OrientationRequested](http://docs.google.com/javax/print/attribute/standard/OrientationRequested.html) | [**LANDSCAPE**](http://docs.google.com/javax/print/attribute/standard/OrientationRequested.html#LANDSCAPE)            The content will be imaged across the long edge of the medium. |
| static [OrientationRequested](http://docs.google.com/javax/print/attribute/standard/OrientationRequested.html) | [**PORTRAIT**](http://docs.google.com/javax/print/attribute/standard/OrientationRequested.html#PORTRAIT)            The content will be imaged across the short edge of the medium. |
| static [OrientationRequested](http://docs.google.com/javax/print/attribute/standard/OrientationRequested.html) | [**REVERSE\_LANDSCAPE**](http://docs.google.com/javax/print/attribute/standard/OrientationRequested.html#REVERSE_LANDSCAPE)            The content will be imaged across the long edge of the medium, but in the opposite manner from landscape. |
| static [OrientationRequested](http://docs.google.com/javax/print/attribute/standard/OrientationRequested.html) | [**REVERSE\_PORTRAIT**](http://docs.google.com/javax/print/attribute/standard/OrientationRequested.html#REVERSE_PORTRAIT)            The content will be imaged across the short edge of the medium, but in the opposite manner from portrait. |

| **Constructor Summary** | |
| --- | --- |
| protected | [**OrientationRequested**](http://docs.google.com/javax/print/attribute/standard/OrientationRequested.html#OrientationRequested(int))(int value)            Construct a new orientation requested enumeration value with the given integer value. |

| **Method Summary** | |
| --- | --- |
| [Class](http://docs.google.com/java/lang/Class.html)<? extends [Attribute](http://docs.google.com/javax/print/attribute/Attribute.html)> | [**getCategory**](http://docs.google.com/javax/print/attribute/standard/OrientationRequested.html#getCategory())()            Get the printing attribute class which is to be used as the "category" for this printing attribute value. |
| protected  [EnumSyntax](http://docs.google.com/javax/print/attribute/EnumSyntax.html)[] | [**getEnumValueTable**](http://docs.google.com/javax/print/attribute/standard/OrientationRequested.html#getEnumValueTable())()            Returns the enumeration value table for class OrientationRequested. |
| [String](http://docs.google.com/java/lang/String.html) | [**getName**](http://docs.google.com/javax/print/attribute/standard/OrientationRequested.html#getName())()            Get the name of the category of which this attribute value is an instance. |
| protected  int | [**getOffset**](http://docs.google.com/javax/print/attribute/standard/OrientationRequested.html#getOffset())()            Returns the lowest integer value used by class OrientationRequested. |
| protected  [String](http://docs.google.com/java/lang/String.html)[] | [**getStringTable**](http://docs.google.com/javax/print/attribute/standard/OrientationRequested.html#getStringTable())()            Returns the string table for class OrientationRequested. |

| **Methods inherited from class javax.print.attribute.**[**EnumSyntax**](http://docs.google.com/javax/print/attribute/EnumSyntax.html) |
| --- |
| [clone](http://docs.google.com/javax/print/attribute/EnumSyntax.html#clone()), [getValue](http://docs.google.com/javax/print/attribute/EnumSyntax.html#getValue()), [hashCode](http://docs.google.com/javax/print/attribute/EnumSyntax.html#hashCode()), [readResolve](http://docs.google.com/javax/print/attribute/EnumSyntax.html#readResolve()), [toString](http://docs.google.com/javax/print/attribute/EnumSyntax.html#toString()) |

| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/java/lang/Object.html) |
| --- |
| [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** |
| --- |

### PORTRAIT

public static final [OrientationRequested](http://docs.google.com/javax/print/attribute/standard/OrientationRequested.html) **PORTRAIT**

The content will be imaged across the short edge of the medium.

### LANDSCAPE

public static final [OrientationRequested](http://docs.google.com/javax/print/attribute/standard/OrientationRequested.html) **LANDSCAPE**

The content will be imaged across the long edge of the medium. Landscape is defined to be a rotation of the print-stream page to be imaged by +90 degrees with respect to the medium (i.e. anti-clockwise) from the portrait orientation. *Note:* The +90 direction was chosen because simple finishing on the long edge is the same edge whether portrait or landscape.

### REVERSE\_LANDSCAPE

public static final [OrientationRequested](http://docs.google.com/javax/print/attribute/standard/OrientationRequested.html) **REVERSE\_LANDSCAPE**

The content will be imaged across the long edge of the medium, but in the opposite manner from landscape. Reverse-landscape is defined to be a rotation of the print-stream page to be imaged by -90 degrees with respect to the medium (i.e. clockwise) from the portrait orientation. *Note:* The REVERSE\_LANDSCAPE value was added because some applications rotate landscape -90 degrees from portrait, rather than +90 degrees.

### REVERSE\_PORTRAIT

public static final [OrientationRequested](http://docs.google.com/javax/print/attribute/standard/OrientationRequested.html) **REVERSE\_PORTRAIT**

The content will be imaged across the short edge of the medium, but in the opposite manner from portrait. Reverse-portrait is defined to be a rotation of the print-stream page to be imaged by 180 degrees with respect to the medium from the portrait orientation. *Note:* The REVERSE\_PORTRAIT value was added for use with the [Finishings](http://docs.google.com/javax/print/attribute/standard/Finishings.html) attribute in cases where the opposite edge is desired for finishing a portrait document on simple finishing devices that have only one finishing position. Thus a "text/plain" portrait document can be stapled "on the right" by a simple finishing device as is common use with some Middle Eastern languages such as Hebrew.

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

### OrientationRequested

protected **OrientationRequested**(int value)

Construct a new orientation requested enumeration value with the given integer value.

**Parameters:**value - Integer value.

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

### getStringTable

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

Returns the string table for class OrientationRequested.

**Overrides:**[getStringTable](http://docs.google.com/javax/print/attribute/EnumSyntax.html#getStringTable()) in class [EnumSyntax](http://docs.google.com/javax/print/attribute/EnumSyntax.html) **Returns:**the string table

### getEnumValueTable

protected [EnumSyntax](http://docs.google.com/javax/print/attribute/EnumSyntax.html)[] **getEnumValueTable**()

Returns the enumeration value table for class OrientationRequested.

**Overrides:**[getEnumValueTable](http://docs.google.com/javax/print/attribute/EnumSyntax.html#getEnumValueTable()) in class [EnumSyntax](http://docs.google.com/javax/print/attribute/EnumSyntax.html) **Returns:**the value table

### getOffset

protected int **getOffset**()

Returns the lowest integer value used by class OrientationRequested.

**Overrides:**[getOffset](http://docs.google.com/javax/print/attribute/EnumSyntax.html#getOffset()) in class [EnumSyntax](http://docs.google.com/javax/print/attribute/EnumSyntax.html) **Returns:**the offset of the lowest enumeration value.

### getCategory

public final [Class](http://docs.google.com/java/lang/Class.html)<? extends [Attribute](http://docs.google.com/javax/print/attribute/Attribute.html)> **getCategory**()

Get the printing attribute class which is to be used as the "category" for this printing attribute value.

For class OrientationRequested, the category is class OrientationRequested itself.

**Specified by:**[getCategory](http://docs.google.com/javax/print/attribute/Attribute.html#getCategory()) in interface [Attribute](http://docs.google.com/javax/print/attribute/Attribute.html) **Returns:**Printing attribute class (category), an instance of class [java.lang.Class](http://docs.google.com/java/lang/Class.html).

### getName

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

Get the name of the category of which this attribute value is an instance.

For class OrientationRequested, the category name is "orientation-requested".

**Specified by:**[getName](http://docs.google.com/javax/print/attribute/Attribute.html#getName()) in interface [Attribute](http://docs.google.com/javax/print/attribute/Attribute.html) **Returns:**Attribute category name.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/OrientationRequested.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/standard/NumberUpSupported.html)   [**NEXT CLASS**](http://docs.google.com/javax/print/attribute/standard/OutputDeviceAssigned.html) | [**FRAMES**](http://docs.google.com/index.html?javax/print/attribute/standard/OrientationRequested.html)    [**NO FRAMES**](http://docs.google.com/OrientationRequested.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
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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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