| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/JobState.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/JobSheets.html)   [**NEXT CLASS**](http://docs.google.com/javax/print/attribute/standard/JobStateReason.html) | [**FRAMES**](http://docs.google.com/index.html?javax/print/attribute/standard/JobState.html)    [**NO FRAMES**](http://docs.google.com/JobState.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#2et92p0) | [METHOD](#tyjcwt) | DETAIL: [FIELD](#4d34og8) | [CONSTR](#2jxsxqh) | [METHOD](#3j2qqm3) |

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

Class JobState

[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.JobState**

**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), [PrintJobAttribute](http://docs.google.com/javax/print/attribute/PrintJobAttribute.html)

public class **JobState**extends [EnumSyntax](http://docs.google.com/javax/print/attribute/EnumSyntax.html)implements [PrintJobAttribute](http://docs.google.com/javax/print/attribute/PrintJobAttribute.html)

JobState is a printing attribute class, an enumeration, that identifies the current state of a print job. Class JobState defines standard job state values. A Print Service implementation only needs to report those job states which are appropriate for the particular implementation; it does not have to report every defined job state. The [JobStateReasons](http://docs.google.com/javax/print/attribute/standard/JobStateReasons.html) attribute augments the JobState attribute to give more detailed information about the job in the given job state.

**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.JobState)

| **Field Summary** | |
| --- | --- |
| static [JobState](http://docs.google.com/javax/print/attribute/standard/JobState.html) | [**ABORTED**](http://docs.google.com/javax/print/attribute/standard/JobState.html#ABORTED)            The job has been aborted by the system (usually while the job was in the PROCESSING or PROCESSING\_STOPPED state), the printer has completed aborting the job, and all job status attributes have reached their final values for the job. |
| static [JobState](http://docs.google.com/javax/print/attribute/standard/JobState.html) | [**CANCELED**](http://docs.google.com/javax/print/attribute/standard/JobState.html#CANCELED)            The job has been canceled by some human agency, the printer has completed canceling the job, and all job status attributes have reached their final values for the job. |
| static [JobState](http://docs.google.com/javax/print/attribute/standard/JobState.html) | [**COMPLETED**](http://docs.google.com/javax/print/attribute/standard/JobState.html#COMPLETED)            The job has completed successfully or with warnings or errors after processing, all of the job media sheets have been successfully stacked in the appropriate output bin(s), and all job status attributes have reached their final values for the job. |
| static [JobState](http://docs.google.com/javax/print/attribute/standard/JobState.html) | [**PENDING**](http://docs.google.com/javax/print/attribute/standard/JobState.html#PENDING)            The job is a candidate to start processing, but is not yet processing. |
| static [JobState](http://docs.google.com/javax/print/attribute/standard/JobState.html) | [**PENDING\_HELD**](http://docs.google.com/javax/print/attribute/standard/JobState.html#PENDING_HELD)            The job is not a candidate for processing for any number of reasons but will return to the PENDING state as soon as the reasons are no longer present. |
| static [JobState](http://docs.google.com/javax/print/attribute/standard/JobState.html) | [**PROCESSING**](http://docs.google.com/javax/print/attribute/standard/JobState.html#PROCESSING)            The job is processing. |
| static [JobState](http://docs.google.com/javax/print/attribute/standard/JobState.html) | [**PROCESSING\_STOPPED**](http://docs.google.com/javax/print/attribute/standard/JobState.html#PROCESSING_STOPPED)            The job has stopped while processing for any number of reasons and will return to the PROCESSING state as soon as the reasons are no longer present. |
| static [JobState](http://docs.google.com/javax/print/attribute/standard/JobState.html) | [**UNKNOWN**](http://docs.google.com/javax/print/attribute/standard/JobState.html#UNKNOWN)            The job state is unknown. |

| **Constructor Summary** | |
| --- | --- |
| protected | [**JobState**](http://docs.google.com/javax/print/attribute/standard/JobState.html#JobState(int))(int value)            Construct a new job state 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/JobState.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/JobState.html#getEnumValueTable())()            Returns the enumeration value table for class JobState. |
| [String](http://docs.google.com/java/lang/String.html) | [**getName**](http://docs.google.com/javax/print/attribute/standard/JobState.html#getName())()            Get the name of the category of which this attribute value is an instance. |
| protected  [String](http://docs.google.com/java/lang/String.html)[] | [**getStringTable**](http://docs.google.com/javax/print/attribute/standard/JobState.html#getStringTable())()            Returns the string table for class JobState. |

| **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()), [getOffset](http://docs.google.com/javax/print/attribute/EnumSyntax.html#getOffset()), [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** |
| --- |

### UNKNOWN

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

The job state is unknown.

### PENDING

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

The job is a candidate to start processing, but is not yet processing.

### PENDING\_HELD

public static final [JobState](http://docs.google.com/javax/print/attribute/standard/JobState.html) **PENDING\_HELD**

The job is not a candidate for processing for any number of reasons but will return to the PENDING state as soon as the reasons are no longer present. The job's [JobStateReasons](http://docs.google.com/javax/print/attribute/standard/JobStateReasons.html) attribute must indicate why the job is no longer a candidate for processing.

### PROCESSING

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

The job is processing. One or more of the following activities is occurring:

1. The job is using, or is attempting to use, one or more purely software processes that are analyzing, creating, or interpreting a PDL, etc.
2. The job is using, or is attempting to use, one or more hardware devices that are interpreting a PDL, making marks on a medium, and/or performing finishing, such as stapling, etc.
3. The printer has made the job ready for printing, but the output device is not yet printing it, either because the job hasn't reached the output device or because the job is queued in the output device or some other spooler, awaiting the output device to print it.

When the job is in the PROCESSING state, the entire job state includes the detailed status represented in the printer's [PrinterState](http://docs.google.com/javax/print/attribute/standard/PrinterState.html) and [PrinterStateReasons](http://docs.google.com/javax/print/attribute/standard/PrinterStateReasons.html) attributes.

Implementations may, though they need not, include additional values in the job's [JobStateReasons](http://docs.google.com/javax/print/attribute/standard/JobStateReasons.html) attribute to indicate the progress of the job, such as adding the JOB\_PRINTING value to indicate when the output device is actually making marks on paper and/or the PROCESSING\_TO\_STOP\_POINT value to indicate that the printer is in the process of canceling or aborting the job.

### PROCESSING\_STOPPED

public static final [JobState](http://docs.google.com/javax/print/attribute/standard/JobState.html) **PROCESSING\_STOPPED**

The job has stopped while processing for any number of reasons and will return to the PROCESSING state as soon as the reasons are no longer present.

The job's [JobStateReasons](http://docs.google.com/javax/print/attribute/standard/JobStateReasons.html) attribute may indicate why the job has stopped processing. For example, if the output device is stopped, the PRINTER\_STOPPED value may be included in the job's [JobStateReasons](http://docs.google.com/javax/print/attribute/standard/JobStateReasons.html) attribute.

*Note:* When an output device is stopped, the device usually indicates its condition in human readable form locally at the device. A client can obtain more complete device status remotely by querying the printer's [PrinterState](http://docs.google.com/javax/print/attribute/standard/PrinterState.html) and [PrinterStateReasons](http://docs.google.com/javax/print/attribute/standard/PrinterStateReasons.html) attributes.

### CANCELED

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

The job has been canceled by some human agency, the printer has completed canceling the job, and all job status attributes have reached their final values for the job. While the printer is canceling the job, the job remains in its current state, but the job's [JobStateReasons](http://docs.google.com/javax/print/attribute/standard/JobStateReasons.html) attribute should contain the PROCESSING\_TO\_STOP\_POINT value and one of the CANCELED\_BY\_USER, CANCELED\_BY\_OPERATOR, or CANCELED\_AT\_DEVICE values. When the job moves to the CANCELED state, the PROCESSING\_TO\_STOP\_POINT value, if present, must be removed, but the CANCELED\_BY\_*xxx* value, if present, must remain.

### ABORTED

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

The job has been aborted by the system (usually while the job was in the PROCESSING or PROCESSING\_STOPPED state), the printer has completed aborting the job, and all job status attributes have reached their final values for the job. While the printer is aborting the job, the job remains in its current state, but the job's [JobStateReasons](http://docs.google.com/javax/print/attribute/standard/JobStateReasons.html) attribute should contain the PROCESSING\_TO\_STOP\_POINT and ABORTED\_BY\_SYSTEM values. When the job moves to the ABORTED state, the PROCESSING\_TO\_STOP\_POINT value, if present, must be removed, but the ABORTED\_BY\_SYSTEM value, if present, must remain.

### COMPLETED

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

The job has completed successfully or with warnings or errors after processing, all of the job media sheets have been successfully stacked in the appropriate output bin(s), and all job status attributes have reached their final values for the job. The job's [JobStateReasons](http://docs.google.com/javax/print/attribute/standard/JobStateReasons.html) attribute should contain one of these values: COMPLETED\_SUCCESSFULLY, COMPLETED\_WITH\_WARNINGS, or COMPLETED\_WITH\_ERRORS.

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

### JobState

protected **JobState**(int value)

Construct a new job state 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 JobState.

**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 JobState.

**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

### 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 JobState and any vendor-defined subclasses, the category is class JobState 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 JobState and any vendor-defined subclasses, the category name is "job-state".

**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/JobState.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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