| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/JobHoldUntil.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/Finishings.html)   [**NEXT CLASS**](http://docs.google.com/javax/print/attribute/standard/JobImpressions.html) | [**FRAMES**](http://docs.google.com/index.html?javax/print/attribute/standard/JobHoldUntil.html)    [**NO FRAMES**](http://docs.google.com/JobHoldUntil.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#1t3h5sf) | [METHOD](#2s8eyo1) |

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

Class JobHoldUntil

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

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

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

Class JobHoldUntil is a printing attribute class, a date-time attribute, that specifies the exact date and time at which the job must become a candidate for printing.

If the value of this attribute specifies a date-time that is in the future, the printer should add the [JobStateReason](http://docs.google.com/javax/print/attribute/standard/JobStateReason.html) value of JOB\_HOLD\_UNTIL\_SPECIFIED to the job's [JobStateReasons](http://docs.google.com/javax/print/attribute/standard/JobStateReasons.html) attribute, must move the job to the PENDING\_HELD state, and must not schedule the job for printing until the specified date-time arrives.

When the specified date-time arrives, the printer must remove the [JobStateReason](http://docs.google.com/javax/print/attribute/standard/JobStateReason.html) value of JOB\_HOLD\_UNTIL\_SPECIFIED from the job's [JobStateReasons](http://docs.google.com/javax/print/attribute/standard/JobStateReasons.html) attribute, if present. If there are no other job state reasons that keep the job in the PENDING\_HELD state, the printer must consider the job as a candidate for processing by moving the job to the PENDING state.

If the specified date-time has already passed, the job must be a candidate for processing immediately. Thus, one way to make the job immediately become a candidate for processing is to specify a JobHoldUntil attribute constructed like this (denoting a date-time of January 1, 1970, 00:00:00 GMT):

JobHoldUntil immediately = new JobHoldUntil (new Date (0L));

If the client does not supply this attribute in a Print Request and the printer supports this attribute, the printer must use its (implementation-dependent) default JobHoldUntil value at job submission time (unlike most job template attributes that are used if necessary at job processing time).

To construct a JobHoldUntil attribute from separate values of the year, month, day, hour, minute, and so on, use a [Calendar](http://docs.google.com/java/util/Calendar.html) object to construct a [Date](http://docs.google.com/java/util/Date.html) object, then use the [Date](http://docs.google.com/java/util/Date.html) object to construct the JobHoldUntil attribute. To convert a JobHoldUntil attribute to separate values of the year, month, day, hour, minute, and so on, create a [Calendar](http://docs.google.com/java/util/Calendar.html) object and set it to the [Date](http://docs.google.com/java/util/Date.html) from the JobHoldUntil attribute.

**IPP Compatibility:** Although IPP supports a "job-hold-until" attribute specified as a keyword, IPP does not at this time support a "job-hold-until" attribute specified as a date and time. However, the date and time can be converted to one of the standard IPP keywords with some loss of precision; for example, a JobHoldUntil value with today's date and 9:00pm local time might be converted to the standard IPP keyword "night". The category name returned by getName() gives the IPP attribute name.

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

| **Constructor Summary** | |
| --- | --- |
| [**JobHoldUntil**](http://docs.google.com/javax/print/attribute/standard/JobHoldUntil.html#JobHoldUntil(java.util.Date))([Date](http://docs.google.com/java/util/Date.html) dateTime)            Construct a new job hold until date-time attribute with the given [Date](http://docs.google.com/java/util/Date.html) value. |

| **Method Summary** | |
| --- | --- |
| boolean | [**equals**](http://docs.google.com/javax/print/attribute/standard/JobHoldUntil.html#equals(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) object)            Returns whether this job hold until attribute is equivalent to the passed in object. |
| [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/JobHoldUntil.html#getCategory())()            Get the printing attribute class which is to be used as the "category" for this printing attribute value. |
| [String](http://docs.google.com/java/lang/String.html) | [**getName**](http://docs.google.com/javax/print/attribute/standard/JobHoldUntil.html#getName())()            Get the name of the category of which this attribute value is an instance. |

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

| **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** |
| --- |

### JobHoldUntil

public **JobHoldUntil**([Date](http://docs.google.com/java/util/Date.html) dateTime)

Construct a new job hold until date-time attribute with the given [Date](http://docs.google.com/java/util/Date.html) value.

**Parameters:**dateTime - [Date](http://docs.google.com/java/util/Date.html) value. **Throws:** [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - (unchecked exception) Thrown if dateTime is null.

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

### equals

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

Returns whether this job hold until 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 JobHoldUntil.
3. This job hold until attribute's [Date](http://docs.google.com/java/util/Date.html) value and object's [Date](http://docs.google.com/java/util/Date.html) value are equal.

**Overrides:**[equals](http://docs.google.com/javax/print/attribute/DateTimeSyntax.html#equals(java.lang.Object)) in class [DateTimeSyntax](http://docs.google.com/javax/print/attribute/DateTimeSyntax.html) **Parameters:**object - Object to compare to. **Returns:**True if object is equivalent to this job hold until 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)

### 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 JobHoldUntil, the category is class JobHoldUntil 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 JobHoldUntil, the category name is "job-hold-until".

**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/JobHoldUntil.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/Finishings.html)   [**NEXT CLASS**](http://docs.google.com/javax/print/attribute/standard/JobImpressions.html) | [**FRAMES**](http://docs.google.com/index.html?javax/print/attribute/standard/JobHoldUntil.html)    [**NO FRAMES**](http://docs.google.com/JobHoldUntil.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#1t3h5sf) | [METHOD](#2s8eyo1) |

[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.

Copyright 2006 Sun Microsystems, Inc. All rights reserved. Use is subject to [license terms](http://docs.google.com/legal/license.html). Also see the [documentation redistribution policy](http://java.sun.com/docs/redist.html).