| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/DateTimeSyntax.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/AttributeSetUtilities.html)   [**NEXT CLASS**](http://docs.google.com/javax/print/attribute/DocAttribute.html) | [**FRAMES**](http://docs.google.com/index.html?javax/print/attribute/DateTimeSyntax.html)    [**NO FRAMES**](http://docs.google.com/DateTimeSyntax.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

## **javax.print.attribute**

Class DateTimeSyntax

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

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html), [Cloneable](http://docs.google.com/java/lang/Cloneable.html) **Direct Known Subclasses:** [DateTimeAtCompleted](http://docs.google.com/javax/print/attribute/standard/DateTimeAtCompleted.html), [DateTimeAtCreation](http://docs.google.com/javax/print/attribute/standard/DateTimeAtCreation.html), [DateTimeAtProcessing](http://docs.google.com/javax/print/attribute/standard/DateTimeAtProcessing.html), [JobHoldUntil](http://docs.google.com/javax/print/attribute/standard/JobHoldUntil.html)

public abstract class **DateTimeSyntax**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 DateTimeSyntax is an abstract base class providing the common implementation of all attributes whose value is a date and time.

Under the hood, a date-time attribute is stored as a value of class java.util.Date. You can get a date-time attribute's Date value by calling [getValue()](http://docs.google.com/javax/print/attribute/DateTimeSyntax.html#getValue()). A date-time attribute's Date value is established when it is constructed (see [DateTimeSyntax(Date)](http://docs.google.com/javax/print/attribute/DateTimeSyntax.html#DateTimeSyntax(java.util.Date))). Once constructed, a date-time attribute's value is immutable.

To construct a date-time attribute from separate values of the year, month, day, hour, minute, and so on, use a java.util.Calendar object to construct a java.util.Date object, then use the java.util.Date object to construct the date-time attribute. To convert a date-time attribute to separate values of the year, month, day, hour, minute, and so on, create a java.util.Calendar object and set it to the java.util.Date from the date-time attribute. Class DateTimeSyntax stores its value in the form of a java.util.Date rather than a java.util.Calendar because it typically takes less memory to store and less time to compare a java.util.Date than a java.util.Calendar.

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

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

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

### DateTimeSyntax

protected **DateTimeSyntax**([Date](http://docs.google.com/java/util/Date.html) value)

Construct a new date-time attribute with the given java.util.Date value.

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

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

### getValue

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

Returns this date-time attribute's java.util.Date value.

**Returns:**the Date.

### equals

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

Returns whether this date-time 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 DateTimeSyntax.
3. This date-time attribute's java.util.Date value and object's java.util.Date 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 date-time 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 date-time attribute. The hashcode is that of this attribute's java.util.Date 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 date-time attribute. The string value is just this attribute's java.util.Date 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/DateTimeSyntax.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/AttributeSetUtilities.html)   [**NEXT CLASS**](http://docs.google.com/javax/print/attribute/DocAttribute.html) | [**FRAMES**](http://docs.google.com/index.html?javax/print/attribute/DateTimeSyntax.html)    [**NO FRAMES**](http://docs.google.com/DateTimeSyntax.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

[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).