| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/DateFormat.Field.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/java/text/DateFormat.html)   [**NEXT CLASS**](http://docs.google.com/java/text/DateFormatSymbols.html) | [**FRAMES**](http://docs.google.com/index.html?java/text/DateFormat.Field.html)    [**NO FRAMES**](http://docs.google.com/DateFormat.Field.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: [FIELD](#2s8eyo1) | [CONSTR](#1pxezwc) | [METHOD](#2p2csry) |

## **java.text**

Class DateFormat.Field

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [java.text.AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html)  
 [java.text.Format.Field](http://docs.google.com/java/text/Format.Field.html)  
 **java.text.DateFormat.Field**

**All Implemented Interfaces:** [Serializable](http://docs.google.com/java/io/Serializable.html) **Enclosing class:**[DateFormat](http://docs.google.com/java/text/DateFormat.html)

public static class **DateFormat.Field**extends [Format.Field](http://docs.google.com/java/text/Format.Field.html)

Defines constants that are used as attribute keys in the AttributedCharacterIterator returned from DateFormat.formatToCharacterIterator and as field identifiers in FieldPosition.

The class also provides two methods to map between its constants and the corresponding Calendar constants.

**Since:** 1.4 **See Also:**[Calendar](http://docs.google.com/java/util/Calendar.html), [Serialized Form](http://docs.google.com/serialized-form.html#java.text.DateFormat.Field)

| **Field Summary** | |
| --- | --- |
| static [DateFormat.Field](http://docs.google.com/java/text/DateFormat.Field.html) | [**AM\_PM**](http://docs.google.com/java/text/DateFormat.Field.html#AM_PM)            Constant identifying the time of day indicator (e.g. |
| static [DateFormat.Field](http://docs.google.com/java/text/DateFormat.Field.html) | [**DAY\_OF\_MONTH**](http://docs.google.com/java/text/DateFormat.Field.html#DAY_OF_MONTH)            Constant identifying the day of month field. |
| static [DateFormat.Field](http://docs.google.com/java/text/DateFormat.Field.html) | [**DAY\_OF\_WEEK**](http://docs.google.com/java/text/DateFormat.Field.html#DAY_OF_WEEK)            Constant identifying the day of week field. |
| static [DateFormat.Field](http://docs.google.com/java/text/DateFormat.Field.html) | [**DAY\_OF\_WEEK\_IN\_MONTH**](http://docs.google.com/java/text/DateFormat.Field.html#DAY_OF_WEEK_IN_MONTH)            Constant identifying the day of week field. |
| static [DateFormat.Field](http://docs.google.com/java/text/DateFormat.Field.html) | [**DAY\_OF\_YEAR**](http://docs.google.com/java/text/DateFormat.Field.html#DAY_OF_YEAR)            Constant identifying the day of year field. |
| static [DateFormat.Field](http://docs.google.com/java/text/DateFormat.Field.html) | [**ERA**](http://docs.google.com/java/text/DateFormat.Field.html#ERA)            Constant identifying the era field. |
| static [DateFormat.Field](http://docs.google.com/java/text/DateFormat.Field.html) | [**HOUR\_OF\_DAY0**](http://docs.google.com/java/text/DateFormat.Field.html#HOUR_OF_DAY0)            Constant identifying the hour of day field, where the legal values are 0 to 23. |
| static [DateFormat.Field](http://docs.google.com/java/text/DateFormat.Field.html) | [**HOUR\_OF\_DAY1**](http://docs.google.com/java/text/DateFormat.Field.html#HOUR_OF_DAY1)            Constant identifying the hour of day field, where the legal values are 1 to 24. |
| static [DateFormat.Field](http://docs.google.com/java/text/DateFormat.Field.html) | [**HOUR0**](http://docs.google.com/java/text/DateFormat.Field.html#HOUR0)            Constant identifying the hour field, where the legal values are 0 to 11. |
| static [DateFormat.Field](http://docs.google.com/java/text/DateFormat.Field.html) | [**HOUR1**](http://docs.google.com/java/text/DateFormat.Field.html#HOUR1)            Constant identifying the hour field, where the legal values are 1 to 12. |
| static [DateFormat.Field](http://docs.google.com/java/text/DateFormat.Field.html) | [**MILLISECOND**](http://docs.google.com/java/text/DateFormat.Field.html#MILLISECOND)            Constant identifying the millisecond field. |
| static [DateFormat.Field](http://docs.google.com/java/text/DateFormat.Field.html) | [**MINUTE**](http://docs.google.com/java/text/DateFormat.Field.html#MINUTE)            Constant identifying the minute field. |
| static [DateFormat.Field](http://docs.google.com/java/text/DateFormat.Field.html) | [**MONTH**](http://docs.google.com/java/text/DateFormat.Field.html#MONTH)            Constant identifying the month field. |
| static [DateFormat.Field](http://docs.google.com/java/text/DateFormat.Field.html) | [**SECOND**](http://docs.google.com/java/text/DateFormat.Field.html#SECOND)            Constant identifying the second field. |
| static [DateFormat.Field](http://docs.google.com/java/text/DateFormat.Field.html) | [**TIME\_ZONE**](http://docs.google.com/java/text/DateFormat.Field.html#TIME_ZONE)            Constant identifying the time zone field. |
| static [DateFormat.Field](http://docs.google.com/java/text/DateFormat.Field.html) | [**WEEK\_OF\_MONTH**](http://docs.google.com/java/text/DateFormat.Field.html#WEEK_OF_MONTH)            Constant identifying the week of month field. |
| static [DateFormat.Field](http://docs.google.com/java/text/DateFormat.Field.html) | [**WEEK\_OF\_YEAR**](http://docs.google.com/java/text/DateFormat.Field.html#WEEK_OF_YEAR)            Constant identifying the week of year field. |
| static [DateFormat.Field](http://docs.google.com/java/text/DateFormat.Field.html) | [**YEAR**](http://docs.google.com/java/text/DateFormat.Field.html#YEAR)            Constant identifying the year field. |

| **Fields inherited from class java.text.**[**AttributedCharacterIterator.Attribute**](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html) |
| --- |
| [INPUT\_METHOD\_SEGMENT](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html#INPUT_METHOD_SEGMENT), [LANGUAGE](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html#LANGUAGE), [READING](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html#READING) |

| **Constructor Summary** | |
| --- | --- |
| protected | [**DateFormat.Field**](http://docs.google.com/java/text/DateFormat.Field.html#DateFormat.Field(java.lang.String,%20int))([String](http://docs.google.com/java/lang/String.html) name, int calendarField)            Creates a Field. |

| **Method Summary** | |
| --- | --- |
| int | [**getCalendarField**](http://docs.google.com/java/text/DateFormat.Field.html#getCalendarField())()            Returns the Calendar field associated with this attribute. |
| static [DateFormat.Field](http://docs.google.com/java/text/DateFormat.Field.html) | [**ofCalendarField**](http://docs.google.com/java/text/DateFormat.Field.html#ofCalendarField(int))(int calendarField)            Returns the Field constant that corresponds to the Calendar constant calendarField. |
| protected  [Object](http://docs.google.com/java/lang/Object.html) | [**readResolve**](http://docs.google.com/java/text/DateFormat.Field.html#readResolve())()            Resolves instances being deserialized to the predefined constants. |

| **Methods inherited from class java.text.**[**AttributedCharacterIterator.Attribute**](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html) |
| --- |
| [equals](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html#equals(java.lang.Object)), [getName](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html#getName()), [hashCode](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html#hashCode()), [toString](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.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)) |

| **Field Detail** |
| --- |

### ERA

public static final [DateFormat.Field](http://docs.google.com/java/text/DateFormat.Field.html) **ERA**

Constant identifying the era field.

### YEAR

public static final [DateFormat.Field](http://docs.google.com/java/text/DateFormat.Field.html) **YEAR**

Constant identifying the year field.

### MONTH

public static final [DateFormat.Field](http://docs.google.com/java/text/DateFormat.Field.html) **MONTH**

Constant identifying the month field.

### DAY\_OF\_MONTH

public static final [DateFormat.Field](http://docs.google.com/java/text/DateFormat.Field.html) **DAY\_OF\_MONTH**

Constant identifying the day of month field.

### HOUR\_OF\_DAY1

public static final [DateFormat.Field](http://docs.google.com/java/text/DateFormat.Field.html) **HOUR\_OF\_DAY1**

Constant identifying the hour of day field, where the legal values are 1 to 24.

### HOUR\_OF\_DAY0

public static final [DateFormat.Field](http://docs.google.com/java/text/DateFormat.Field.html) **HOUR\_OF\_DAY0**

Constant identifying the hour of day field, where the legal values are 0 to 23.

### MINUTE

public static final [DateFormat.Field](http://docs.google.com/java/text/DateFormat.Field.html) **MINUTE**

Constant identifying the minute field.

### SECOND

public static final [DateFormat.Field](http://docs.google.com/java/text/DateFormat.Field.html) **SECOND**

Constant identifying the second field.

### MILLISECOND

public static final [DateFormat.Field](http://docs.google.com/java/text/DateFormat.Field.html) **MILLISECOND**

Constant identifying the millisecond field.

### DAY\_OF\_WEEK

public static final [DateFormat.Field](http://docs.google.com/java/text/DateFormat.Field.html) **DAY\_OF\_WEEK**

Constant identifying the day of week field.

### DAY\_OF\_YEAR

public static final [DateFormat.Field](http://docs.google.com/java/text/DateFormat.Field.html) **DAY\_OF\_YEAR**

Constant identifying the day of year field.

### DAY\_OF\_WEEK\_IN\_MONTH

public static final [DateFormat.Field](http://docs.google.com/java/text/DateFormat.Field.html) **DAY\_OF\_WEEK\_IN\_MONTH**

Constant identifying the day of week field.

### WEEK\_OF\_YEAR

public static final [DateFormat.Field](http://docs.google.com/java/text/DateFormat.Field.html) **WEEK\_OF\_YEAR**

Constant identifying the week of year field.

### WEEK\_OF\_MONTH

public static final [DateFormat.Field](http://docs.google.com/java/text/DateFormat.Field.html) **WEEK\_OF\_MONTH**

Constant identifying the week of month field.

### AM\_PM

public static final [DateFormat.Field](http://docs.google.com/java/text/DateFormat.Field.html) **AM\_PM**

Constant identifying the time of day indicator (e.g. "a.m." or "p.m.") field.

### HOUR1

public static final [DateFormat.Field](http://docs.google.com/java/text/DateFormat.Field.html) **HOUR1**

Constant identifying the hour field, where the legal values are 1 to 12.

### HOUR0

public static final [DateFormat.Field](http://docs.google.com/java/text/DateFormat.Field.html) **HOUR0**

Constant identifying the hour field, where the legal values are 0 to 11.

### TIME\_ZONE

public static final [DateFormat.Field](http://docs.google.com/java/text/DateFormat.Field.html) **TIME\_ZONE**

Constant identifying the time zone field.

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

### DateFormat.Field

protected **DateFormat.Field**([String](http://docs.google.com/java/lang/String.html) name,  
 int calendarField)

Creates a Field.

**Parameters:**name - the name of the FieldcalendarField - the Calendar constant this Field corresponds to; any value, even one outside the range of legal Calendar values may be used, but -1 should be used for values that don't correspond to legal Calendar values

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

### ofCalendarField

public static [DateFormat.Field](http://docs.google.com/java/text/DateFormat.Field.html) **ofCalendarField**(int calendarField)

Returns the Field constant that corresponds to the Calendar constant calendarField. If there is no direct mapping between the Calendar constant and a Field, null is returned.

**Parameters:**calendarField - Calendar field constant **Returns:**Field instance representing calendarField. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if calendarField is not the value of a Calendar field constant.**See Also:**[Calendar](http://docs.google.com/java/util/Calendar.html)

### getCalendarField

public int **getCalendarField**()

Returns the Calendar field associated with this attribute. For example, if this represents the hours field of a Calendar, this would return Calendar.HOUR. If there is no corresponding Calendar constant, this will return -1.

**Returns:**Calendar constant for this field**See Also:**[Calendar](http://docs.google.com/java/util/Calendar.html)

### readResolve

protected [Object](http://docs.google.com/java/lang/Object.html) **readResolve**()  
 throws [InvalidObjectException](http://docs.google.com/java/io/InvalidObjectException.html)

Resolves instances being deserialized to the predefined constants.

**Overrides:**[readResolve](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html#readResolve()) in class [AttributedCharacterIterator.Attribute](http://docs.google.com/java/text/AttributedCharacterIterator.Attribute.html) **Returns:**resolved DateFormat.Field constant **Throws:** [InvalidObjectException](http://docs.google.com/java/io/InvalidObjectException.html) - if the constant could not be resolved.

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/DateFormat.Field.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/java/text/DateFormat.html)   [**NEXT CLASS**](http://docs.google.com/java/text/DateFormatSymbols.html) | [**FRAMES**](http://docs.google.com/index.html?java/text/DateFormat.Field.html)    [**NO FRAMES**](http://docs.google.com/DateFormat.Field.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | [FIELD](#3znysh7) | [CONSTR](#tyjcwt) | [METHOD](#3dy6vkm) | DETAIL: [FIELD](#2s8eyo1) | [CONSTR](#1pxezwc) | [METHOD](#2p2csry) |

[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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