| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/DateFormatProvider.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/spi/CollatorProvider.html)   [**NEXT CLASS**](http://docs.google.com/java/text/spi/DateFormatSymbolsProvider.html) | [**FRAMES**](http://docs.google.com/index.html?java/text/spi/DateFormatProvider.html)    [**NO FRAMES**](http://docs.google.com/DateFormatProvider.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#1t3h5sf) | [METHOD](#2s8eyo1) |

## **java.text.spi**

Class DateFormatProvider

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 [java.util.spi.LocaleServiceProvider](http://docs.google.com/java/util/spi/LocaleServiceProvider.html)  
 **java.text.spi.DateFormatProvider**

public abstract class **DateFormatProvider**extends [LocaleServiceProvider](http://docs.google.com/java/util/spi/LocaleServiceProvider.html)

An abstract class for service providers that provide concrete implementations of the [DateFormat](http://docs.google.com/java/text/DateFormat.html) class.

**Since:** 1.6

| **Constructor Summary** | |
| --- | --- |
| protected | [**DateFormatProvider**](http://docs.google.com/java/text/spi/DateFormatProvider.html#DateFormatProvider())()            Sole constructor. |

| **Method Summary** | |
| --- | --- |
| abstract  [DateFormat](http://docs.google.com/java/text/DateFormat.html) | [**getDateInstance**](http://docs.google.com/java/text/spi/DateFormatProvider.html#getDateInstance(int,%20java.util.Locale))(int style, [Locale](http://docs.google.com/java/util/Locale.html) locale)            Returns a new DateFormat instance which formats date with the given formatting style for the specified locale. |
| abstract  [DateFormat](http://docs.google.com/java/text/DateFormat.html) | [**getDateTimeInstance**](http://docs.google.com/java/text/spi/DateFormatProvider.html#getDateTimeInstance(int,%20int,%20java.util.Locale))(int dateStyle, int timeStyle, [Locale](http://docs.google.com/java/util/Locale.html) locale)            Returns a new DateFormat instance which formats date and time with the given formatting style for the specified locale. |
| abstract  [DateFormat](http://docs.google.com/java/text/DateFormat.html) | [**getTimeInstance**](http://docs.google.com/java/text/spi/DateFormatProvider.html#getTimeInstance(int,%20java.util.Locale))(int style, [Locale](http://docs.google.com/java/util/Locale.html) locale)            Returns a new DateFormat instance which formats time with the given formatting style for the specified locale. |

| **Methods inherited from class java.util.spi.**[**LocaleServiceProvider**](http://docs.google.com/java/util/spi/LocaleServiceProvider.html) |
| --- |
| [getAvailableLocales](http://docs.google.com/java/util/spi/LocaleServiceProvider.html#getAvailableLocales()) |

| **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()), [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()), [hashCode](http://docs.google.com/java/lang/Object.html#hashCode()), [notify](http://docs.google.com/java/lang/Object.html#notify()), [notifyAll](http://docs.google.com/java/lang/Object.html#notifyAll()), [toString](http://docs.google.com/java/lang/Object.html#toString()), [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** |
| --- |

### DateFormatProvider

protected **DateFormatProvider**()

Sole constructor. (For invocation by subclass constructors, typically implicit.)

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

### getTimeInstance

public abstract [DateFormat](http://docs.google.com/java/text/DateFormat.html) **getTimeInstance**(int style,  
 [Locale](http://docs.google.com/java/util/Locale.html) locale)

Returns a new DateFormat instance which formats time with the given formatting style for the specified locale.

**Parameters:**style - the given formatting style. Either one of [DateFormat.SHORT](http://docs.google.com/java/text/DateFormat.html#SHORT), [DateFormat.MEDIUM](http://docs.google.com/java/text/DateFormat.html#MEDIUM), [DateFormat.LONG](http://docs.google.com/java/text/DateFormat.html#LONG), or [DateFormat.FULL](http://docs.google.com/java/text/DateFormat.html#FULL).locale - the desired locale. **Returns:**a time formatter. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if style is invalid, or if locale isn't one of the locales returned from [getAvailableLocales()](http://docs.google.com/java/util/spi/LocaleServiceProvider.html#getAvailableLocales()). [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if locale is null**See Also:**[DateFormat.getTimeInstance(int, java.util.Locale)](http://docs.google.com/java/text/DateFormat.html#getTimeInstance(int,%20java.util.Locale))

### getDateInstance

public abstract [DateFormat](http://docs.google.com/java/text/DateFormat.html) **getDateInstance**(int style,  
 [Locale](http://docs.google.com/java/util/Locale.html) locale)

Returns a new DateFormat instance which formats date with the given formatting style for the specified locale.

**Parameters:**style - the given formatting style. Either one of [DateFormat.SHORT](http://docs.google.com/java/text/DateFormat.html#SHORT), [DateFormat.MEDIUM](http://docs.google.com/java/text/DateFormat.html#MEDIUM), [DateFormat.LONG](http://docs.google.com/java/text/DateFormat.html#LONG), or [DateFormat.FULL](http://docs.google.com/java/text/DateFormat.html#FULL).locale - the desired locale. **Returns:**a date formatter. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if style is invalid, or if locale isn't one of the locales returned from [getAvailableLocales()](http://docs.google.com/java/util/spi/LocaleServiceProvider.html#getAvailableLocales()). [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if locale is null**See Also:**[DateFormat.getDateInstance(int, java.util.Locale)](http://docs.google.com/java/text/DateFormat.html#getDateInstance(int,%20java.util.Locale))

### getDateTimeInstance

public abstract [DateFormat](http://docs.google.com/java/text/DateFormat.html) **getDateTimeInstance**(int dateStyle,  
 int timeStyle,  
 [Locale](http://docs.google.com/java/util/Locale.html) locale)

Returns a new DateFormat instance which formats date and time with the given formatting style for the specified locale.

**Parameters:**dateStyle - the given date formatting style. Either one of [DateFormat.SHORT](http://docs.google.com/java/text/DateFormat.html#SHORT), [DateFormat.MEDIUM](http://docs.google.com/java/text/DateFormat.html#MEDIUM), [DateFormat.LONG](http://docs.google.com/java/text/DateFormat.html#LONG), or [DateFormat.FULL](http://docs.google.com/java/text/DateFormat.html#FULL).timeStyle - the given time formatting style. Either one of [DateFormat.SHORT](http://docs.google.com/java/text/DateFormat.html#SHORT), [DateFormat.MEDIUM](http://docs.google.com/java/text/DateFormat.html#MEDIUM), [DateFormat.LONG](http://docs.google.com/java/text/DateFormat.html#LONG), or [DateFormat.FULL](http://docs.google.com/java/text/DateFormat.html#FULL).locale - the desired locale. **Returns:**a date/time formatter. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if dateStyle or timeStyle is invalid, or if locale isn't one of the locales returned from [getAvailableLocales()](http://docs.google.com/java/util/spi/LocaleServiceProvider.html#getAvailableLocales()). [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if locale is null**See Also:**[DateFormat.getDateTimeInstance(int, int, java.util.Locale)](http://docs.google.com/java/text/DateFormat.html#getDateTimeInstance(int,%20int,%20java.util.Locale))

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/DateFormatProvider.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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| 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.

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