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

## **java.util.spi**

Class TimeZoneNameProvider

[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.util.spi.TimeZoneNameProvider**

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

An abstract class for service providers that provide localized time zone names for the [TimeZone](http://docs.google.com/java/util/TimeZone.html) class. The localized time zone names available from the implementations of this class are also the source for the [DateFormatSymbols.getZoneStrings()](http://docs.google.com/java/text/DateFormatSymbols.html#getZoneStrings()) method.

**Since:** 1.6

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

| **Method Summary** | |
| --- | --- |
| abstract  [String](http://docs.google.com/java/lang/String.html) | [**getDisplayName**](http://docs.google.com/java/util/spi/TimeZoneNameProvider.html#getDisplayName(java.lang.String,%20boolean,%20int,%20java.util.Locale))([String](http://docs.google.com/java/lang/String.html) ID, boolean daylight, int style, [Locale](http://docs.google.com/java/util/Locale.html) locale)            Returns a name for the given time zone ID that's suitable for presentation to the user in 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** |
| --- |

### TimeZoneNameProvider

protected **TimeZoneNameProvider**()

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

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

### getDisplayName

public abstract [String](http://docs.google.com/java/lang/String.html) **getDisplayName**([String](http://docs.google.com/java/lang/String.html) ID,  
 boolean daylight,  
 int style,  
 [Locale](http://docs.google.com/java/util/Locale.html) locale)

Returns a name for the given time zone ID that's suitable for presentation to the user in the specified locale. The given time zone ID is "GMT" or one of the names defined using "Zone" entries in the "tz database", a public domain time zone database at <ftp://elsie.nci.nih.gov/pub/>. The data of this database is contained in a file whose name starts with "tzdata", and the specification of the data format is part of the zic.8 man page, which is contained in a file whose name starts with "tzcode".

If daylight is true, the method should return a name appropriate for daylight saving time even if the specified time zone has not observed daylight saving time in the past.

**Parameters:**ID - a time zone ID stringdaylight - if true, return the daylight saving name.style - either [TimeZone.LONG](http://docs.google.com/java/util/TimeZone.html#LONG) or [TimeZone.SHORT](http://docs.google.com/java/util/TimeZone.html#SHORT)locale - the desired locale **Returns:**the human-readable name of the given time zone in the given locale, or null if it's not available. **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if style is invalid, or 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 ID or locale is null**See Also:**[TimeZone.getDisplayName(boolean, int, java.util.Locale)](http://docs.google.com/java/util/TimeZone.html#getDisplayName(boolean,%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/TimeZoneNameProvider.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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