| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/NumberFormatProvider.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/DecimalFormatSymbolsProvider.html)   NEXT CLASS | [**FRAMES**](http://docs.google.com/index.html?java/text/spi/NumberFormatProvider.html)    [**NO FRAMES**](http://docs.google.com/NumberFormatProvider.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 NumberFormatProvider

[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.NumberFormatProvider**

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

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

**Since:** 1.6

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

| **Method Summary** | |
| --- | --- |
| abstract  [NumberFormat](http://docs.google.com/java/text/NumberFormat.html) | [**getCurrencyInstance**](http://docs.google.com/java/text/spi/NumberFormatProvider.html#getCurrencyInstance(java.util.Locale))([Locale](http://docs.google.com/java/util/Locale.html) locale)            Returns a new NumberFormat instance which formats monetary values for the specified locale. |
| abstract  [NumberFormat](http://docs.google.com/java/text/NumberFormat.html) | [**getIntegerInstance**](http://docs.google.com/java/text/spi/NumberFormatProvider.html#getIntegerInstance(java.util.Locale))([Locale](http://docs.google.com/java/util/Locale.html) locale)            Returns a new NumberFormat instance which formats integer values for the specified locale. |
| abstract  [NumberFormat](http://docs.google.com/java/text/NumberFormat.html) | [**getNumberInstance**](http://docs.google.com/java/text/spi/NumberFormatProvider.html#getNumberInstance(java.util.Locale))([Locale](http://docs.google.com/java/util/Locale.html) locale)            Returns a new general-purpose NumberFormat instance for the specified locale. |
| abstract  [NumberFormat](http://docs.google.com/java/text/NumberFormat.html) | [**getPercentInstance**](http://docs.google.com/java/text/spi/NumberFormatProvider.html#getPercentInstance(java.util.Locale))([Locale](http://docs.google.com/java/util/Locale.html) locale)            Returns a new NumberFormat instance which formats percentage values 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** |
| --- |

### NumberFormatProvider

protected **NumberFormatProvider**()

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

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

### getCurrencyInstance

public abstract [NumberFormat](http://docs.google.com/java/text/NumberFormat.html) **getCurrencyInstance**([Locale](http://docs.google.com/java/util/Locale.html) locale)

Returns a new NumberFormat instance which formats monetary values for the specified locale.

**Parameters:**locale - the desired locale. **Returns:**a currency formatter **Throws:** [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if locale is null [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if locale isn't one of the locales returned from [getAvailableLocales()](http://docs.google.com/java/util/spi/LocaleServiceProvider.html#getAvailableLocales()).**See Also:**[NumberFormat.getCurrencyInstance(java.util.Locale)](http://docs.google.com/java/text/NumberFormat.html#getCurrencyInstance(java.util.Locale))

### getIntegerInstance

public abstract [NumberFormat](http://docs.google.com/java/text/NumberFormat.html) **getIntegerInstance**([Locale](http://docs.google.com/java/util/Locale.html) locale)

Returns a new NumberFormat instance which formats integer values for the specified locale. The returned number format is configured to round floating point numbers to the nearest integer using half-even rounding (see [HALF\_EVEN](http://docs.google.com/java/math/RoundingMode.html#HALF_EVEN)) for formatting, and to parse only the integer part of an input string (see [isParseIntegerOnly](http://docs.google.com/java/text/NumberFormat.html#isParseIntegerOnly())).

**Parameters:**locale - the desired locale **Returns:**a number format for integer values **Throws:** [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if locale is null [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if locale isn't one of the locales returned from [getAvailableLocales()](http://docs.google.com/java/util/spi/LocaleServiceProvider.html#getAvailableLocales()).**See Also:**[NumberFormat.getIntegerInstance(java.util.Locale)](http://docs.google.com/java/text/NumberFormat.html#getIntegerInstance(java.util.Locale))

### getNumberInstance

public abstract [NumberFormat](http://docs.google.com/java/text/NumberFormat.html) **getNumberInstance**([Locale](http://docs.google.com/java/util/Locale.html) locale)

Returns a new general-purpose NumberFormat instance for the specified locale.

**Parameters:**locale - the desired locale **Returns:**a general-purpose number formatter **Throws:** [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if locale is null [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if locale isn't one of the locales returned from [getAvailableLocales()](http://docs.google.com/java/util/spi/LocaleServiceProvider.html#getAvailableLocales()).**See Also:**[NumberFormat.getNumberInstance(java.util.Locale)](http://docs.google.com/java/text/NumberFormat.html#getNumberInstance(java.util.Locale))

### getPercentInstance

public abstract [NumberFormat](http://docs.google.com/java/text/NumberFormat.html) **getPercentInstance**([Locale](http://docs.google.com/java/util/Locale.html) locale)

Returns a new NumberFormat instance which formats percentage values for the specified locale.

**Parameters:**locale - the desired locale **Returns:**a percent formatter **Throws:** [NullPointerException](http://docs.google.com/java/lang/NullPointerException.html) - if locale is null [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if locale isn't one of the locales returned from [getAvailableLocales()](http://docs.google.com/java/util/spi/LocaleServiceProvider.html#getAvailableLocales()).**See Also:**[NumberFormat.getPercentInstance(java.util.Locale)](http://docs.google.com/java/text/NumberFormat.html#getPercentInstance(java.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/NumberFormatProvider.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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[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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