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org.apache.commons.beanutils.locale.converters

## Class DecimalLocaleConverter

* [java.lang.Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)
  + [org.apache.commons.beanutils.locale.BaseLocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/BaseLocaleConverter.html)
    - org.apache.commons.beanutils.locale.converters.DecimalLocaleConverter
* All Implemented Interfaces: [Converter](http://docs.google.com/org/apache/commons/beanutils/Converter.html), [LocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/LocaleConverter.html) Direct Known Subclasses: [BigDecimalLocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/converters/BigDecimalLocaleConverter.html), [BigIntegerLocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/converters/BigIntegerLocaleConverter.html), [ByteLocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/converters/ByteLocaleConverter.html), [DoubleLocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/converters/DoubleLocaleConverter.html), [FloatLocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/converters/FloatLocaleConverter.html), [IntegerLocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/converters/IntegerLocaleConverter.html), [LongLocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/converters/LongLocaleConverter.html), [ShortLocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/converters/ShortLocaleConverter.html)  
    
  public class DecimalLocaleConverter  
  extends [BaseLocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/BaseLocaleConverter.html)  
  Standard [LocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/LocaleConverter.html) implementation that converts an incoming locale-sensitive String into a java.lang.Number object, optionally using a default value or throwing a [ConversionException](http://docs.google.com/org/apache/commons/beanutils/ConversionException.html) if a conversion error occurs.Since: 1.7 Version: $Id$

### Field Summary

### Fields inherited from class org.apache.commons.beanutils.locale.[**BaseLocaleConverter**](http://docs.google.com/org/apache/commons/beanutils/locale/BaseLocaleConverter.html)[locale](http://docs.google.com/org/apache/commons/beanutils/locale/BaseLocaleConverter.html#locale), [locPattern](http://docs.google.com/org/apache/commons/beanutils/locale/BaseLocaleConverter.html#locPattern), [pattern](http://docs.google.com/org/apache/commons/beanutils/locale/BaseLocaleConverter.html#pattern), [useDefault](http://docs.google.com/org/apache/commons/beanutils/locale/BaseLocaleConverter.html#useDefault)

### Constructor SummaryConstructors

|  |
| --- |
| * + Constructor and Description |
| * + [DecimalLocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/converters/DecimalLocaleConverter.html#DecimalLocaleConverter--)() Create a [LocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/LocaleConverter.html) that will throw a [ConversionException](http://docs.google.com/org/apache/commons/beanutils/ConversionException.html) if a conversion error occurs. |
| * + [DecimalLocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/converters/DecimalLocaleConverter.html#DecimalLocaleConverter-boolean-)(boolean locPattern) Create a [LocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/LocaleConverter.html) that will throw a [ConversionException](http://docs.google.com/org/apache/commons/beanutils/ConversionException.html) if a conversion error occurs. |
| * + [DecimalLocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/converters/DecimalLocaleConverter.html#DecimalLocaleConverter-java.util.Locale-)([Locale](https://docs.oracle.com/javase/7/docs/api/java/util/Locale.html?is-external=true) locale) Create a [LocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/LocaleConverter.html) that will throw a [ConversionException](http://docs.google.com/org/apache/commons/beanutils/ConversionException.html) if a conversion error occurs. |
| * + [DecimalLocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/converters/DecimalLocaleConverter.html#DecimalLocaleConverter-java.util.Locale-boolean-)([Locale](https://docs.oracle.com/javase/7/docs/api/java/util/Locale.html?is-external=true) locale, boolean locPattern) Create a [LocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/LocaleConverter.html) that will throw a [ConversionException](http://docs.google.com/org/apache/commons/beanutils/ConversionException.html) if a conversion error occurs. |
| * + [DecimalLocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/converters/DecimalLocaleConverter.html#DecimalLocaleConverter-java.util.Locale-java.lang.String-)([Locale](https://docs.oracle.com/javase/7/docs/api/java/util/Locale.html?is-external=true) locale, [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) pattern) Create a [LocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/LocaleConverter.html) that will throw a [ConversionException](http://docs.google.com/org/apache/commons/beanutils/ConversionException.html) if a conversion error occurs. |
| * + [DecimalLocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/converters/DecimalLocaleConverter.html#DecimalLocaleConverter-java.util.Locale-java.lang.String-boolean-)([Locale](https://docs.oracle.com/javase/7/docs/api/java/util/Locale.html?is-external=true) locale, [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) pattern, boolean locPattern) Create a [LocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/LocaleConverter.html) that will throw a [ConversionException](http://docs.google.com/org/apache/commons/beanutils/ConversionException.html) if a conversion error occurs. |
| * + [DecimalLocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/converters/DecimalLocaleConverter.html#DecimalLocaleConverter-java.lang.Object-)([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) defaultValue) Create a [LocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/LocaleConverter.html) that will return the specified default value if a conversion error occurs. |
| * + [DecimalLocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/converters/DecimalLocaleConverter.html#DecimalLocaleConverter-java.lang.Object-boolean-)([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) defaultValue, boolean locPattern) Create a [LocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/LocaleConverter.html) that will return the specified default value if a conversion error occurs. |
| * + [DecimalLocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/converters/DecimalLocaleConverter.html#DecimalLocaleConverter-java.lang.Object-java.util.Locale-)([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) defaultValue, [Locale](https://docs.oracle.com/javase/7/docs/api/java/util/Locale.html?is-external=true) locale) Create a [LocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/LocaleConverter.html) that will return the specified default value if a conversion error occurs. |
| * + [DecimalLocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/converters/DecimalLocaleConverter.html#DecimalLocaleConverter-java.lang.Object-java.util.Locale-boolean-)([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) defaultValue, [Locale](https://docs.oracle.com/javase/7/docs/api/java/util/Locale.html?is-external=true) locale, boolean locPattern) Create a [LocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/LocaleConverter.html) that will return the specified default value if a conversion error occurs. |
| * + [DecimalLocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/converters/DecimalLocaleConverter.html#DecimalLocaleConverter-java.lang.Object-java.util.Locale-java.lang.String-)([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) defaultValue, [Locale](https://docs.oracle.com/javase/7/docs/api/java/util/Locale.html?is-external=true) locale, [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) pattern) Create a [LocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/LocaleConverter.html) that will return the specified default value if a conversion error occurs. |
| * + [DecimalLocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/converters/DecimalLocaleConverter.html#DecimalLocaleConverter-java.lang.Object-java.util.Locale-java.lang.String-boolean-)([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) defaultValue, [Locale](https://docs.oracle.com/javase/7/docs/api/java/util/Locale.html?is-external=true) locale, [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) pattern, boolean locPattern) Create a [LocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/LocaleConverter.html) that will return the specified default value if a conversion error occurs. |

### Method SummaryAll Methods Instance Methods Concrete Methods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + protected [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) | * + [parse](http://docs.google.com/org/apache/commons/beanutils/locale/converters/DecimalLocaleConverter.html#parse-java.lang.Object-java.lang.String-)([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) value, [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) pattern) Convert the specified locale-sensitive input object into an output object of the specified type. |

### Methods inherited from class org.apache.commons.beanutils.locale.[**BaseLocaleConverter**](http://docs.google.com/org/apache/commons/beanutils/locale/BaseLocaleConverter.html)[convert](http://docs.google.com/org/apache/commons/beanutils/locale/BaseLocaleConverter.html#convert-java.lang.Class-java.lang.Object-), [convert](http://docs.google.com/org/apache/commons/beanutils/locale/BaseLocaleConverter.html#convert-java.lang.Class-java.lang.Object-java.lang.String-), [convert](http://docs.google.com/org/apache/commons/beanutils/locale/BaseLocaleConverter.html#convert-java.lang.Object-), [convert](http://docs.google.com/org/apache/commons/beanutils/locale/BaseLocaleConverter.html#convert-java.lang.Object-java.lang.String-)

### Methods inherited from class java.lang.[**Object**](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)[clone](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#clone--), [equals](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#equals-java.lang.Object-), [finalize](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#finalize--), [getClass](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#getClass--), [hashCode](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#hashCode--), [notify](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#notify--), [notifyAll](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#notifyAll--), [toString](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#toString--), [wait](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#wait--), [wait](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#wait-long-), [wait](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#wait-long-int-)

### Constructor Detail

#### DecimalLocaleConverter public DecimalLocaleConverter() Create a [LocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/LocaleConverter.html) that will throw a [ConversionException](http://docs.google.com/org/apache/commons/beanutils/ConversionException.html) if a conversion error occurs. The locale is the default locale for this instance of the Java Virtual Machine and an unlocalized pattern is used for the convertion.

#### DecimalLocaleConverter public DecimalLocaleConverter(boolean locPattern) Create a [LocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/LocaleConverter.html) that will throw a [ConversionException](http://docs.google.com/org/apache/commons/beanutils/ConversionException.html) if a conversion error occurs. The locale is the default locale for this instance of the Java Virtual Machine.Parameters: locPattern - Indicate whether the pattern is localized or not

#### DecimalLocaleConverter public DecimalLocaleConverter([Locale](https://docs.oracle.com/javase/7/docs/api/java/util/Locale.html?is-external=true) locale) Create a [LocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/LocaleConverter.html) that will throw a [ConversionException](http://docs.google.com/org/apache/commons/beanutils/ConversionException.html) if a conversion error occurs. An unlocalized pattern is used for the convertion.Parameters: locale - The locale

#### DecimalLocaleConverter public DecimalLocaleConverter([Locale](https://docs.oracle.com/javase/7/docs/api/java/util/Locale.html?is-external=true) locale, boolean locPattern) Create a [LocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/LocaleConverter.html) that will throw a [ConversionException](http://docs.google.com/org/apache/commons/beanutils/ConversionException.html) if a conversion error occurs.Parameters: locale - The locale locPattern - Indicate whether the pattern is localized or not

#### DecimalLocaleConverter public DecimalLocaleConverter([Locale](https://docs.oracle.com/javase/7/docs/api/java/util/Locale.html?is-external=true) locale, [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) pattern) Create a [LocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/LocaleConverter.html) that will throw a [ConversionException](http://docs.google.com/org/apache/commons/beanutils/ConversionException.html) if a conversion error occurs. An unlocalized pattern is used for the convertion.Parameters: locale - The locale pattern - The convertion pattern

#### DecimalLocaleConverter public DecimalLocaleConverter([Locale](https://docs.oracle.com/javase/7/docs/api/java/util/Locale.html?is-external=true) locale, [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) pattern, boolean locPattern) Create a [LocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/LocaleConverter.html) that will throw a [ConversionException](http://docs.google.com/org/apache/commons/beanutils/ConversionException.html) if a conversion error occurs.Parameters: locale - The locale pattern - The convertion pattern locPattern - Indicate whether the pattern is localized or not

#### DecimalLocaleConverter public DecimalLocaleConverter([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) defaultValue) Create a [LocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/LocaleConverter.html) that will return the specified default value if a conversion error occurs. The locale is the default locale for this instance of the Java Virtual Machine and an unlocalized pattern is used for the convertion.Parameters: defaultValue - The default value to be returned

#### DecimalLocaleConverter public DecimalLocaleConverter([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) defaultValue, boolean locPattern) Create a [LocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/LocaleConverter.html) that will return the specified default value if a conversion error occurs. The locale is the default locale for this instance of the Java Virtual Machine.Parameters: defaultValue - The default value to be returned locPattern - Indicate whether the pattern is localized or not

#### DecimalLocaleConverter public DecimalLocaleConverter([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) defaultValue, [Locale](https://docs.oracle.com/javase/7/docs/api/java/util/Locale.html?is-external=true) locale) Create a [LocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/LocaleConverter.html) that will return the specified default value if a conversion error occurs. An unlocalized pattern is used for the convertion.Parameters: defaultValue - The default value to be returned locale - The locale

#### DecimalLocaleConverter public DecimalLocaleConverter([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) defaultValue, [Locale](https://docs.oracle.com/javase/7/docs/api/java/util/Locale.html?is-external=true) locale, boolean locPattern) Create a [LocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/LocaleConverter.html) that will return the specified default value if a conversion error occurs.Parameters: defaultValue - The default value to be returned locale - The locale locPattern - Indicate whether the pattern is localized or not

#### DecimalLocaleConverter public DecimalLocaleConverter([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) defaultValue, [Locale](https://docs.oracle.com/javase/7/docs/api/java/util/Locale.html?is-external=true) locale, [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) pattern) Create a [LocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/LocaleConverter.html) that will return the specified default value if a conversion error occurs. An unlocalized pattern is used for the convertion.Parameters: defaultValue - The default value to be returned locale - The locale pattern - The convertion pattern

#### DecimalLocaleConverter public DecimalLocaleConverter([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) defaultValue, [Locale](https://docs.oracle.com/javase/7/docs/api/java/util/Locale.html?is-external=true) locale, [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) pattern, boolean locPattern) Create a [LocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/LocaleConverter.html) that will return the specified default value if a conversion error occurs.Parameters: defaultValue - The default value to be returned locale - The locale pattern - The convertion pattern locPattern - Indicate whether the pattern is localized or not

### Method Detail

#### parse protected [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) parse([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) value, [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) pattern) throws [ParseException](https://docs.oracle.com/javase/7/docs/api/java/text/ParseException.html?is-external=true) Convert the specified locale-sensitive input object into an output object of the specified type.Specified by: [parse](http://docs.google.com/org/apache/commons/beanutils/locale/BaseLocaleConverter.html#parse-java.lang.Object-java.lang.String-) in class [BaseLocaleConverter](http://docs.google.com/org/apache/commons/beanutils/locale/BaseLocaleConverter.html) Parameters: value - The input object to be converted pattern - The pattern is used for the convertion Returns: The converted value Throws: [ConversionException](http://docs.google.com/org/apache/commons/beanutils/ConversionException.html) - if conversion cannot be performed successfully [ParseException](https://docs.oracle.com/javase/7/docs/api/java/text/ParseException.html?is-external=true) - if an error occurs parsing a String to a Number

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