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org.apache.commons.beanutils.converters

## Class SqlTimestampConverter

* [java.lang.Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)
  + [org.apache.commons.beanutils.converters.AbstractConverter](http://docs.google.com/org/apache/commons/beanutils/converters/AbstractConverter.html)
    - [org.apache.commons.beanutils.converters.DateTimeConverter](http://docs.google.com/org/apache/commons/beanutils/converters/DateTimeConverter.html)
      * org.apache.commons.beanutils.converters.SqlTimestampConverter
* All Implemented Interfaces: [Converter](http://docs.google.com/org/apache/commons/beanutils/Converter.html)  
    
  public final class SqlTimestampConverter  
  extends [DateTimeConverter](http://docs.google.com/org/apache/commons/beanutils/converters/DateTimeConverter.html)  
  [DateTimeConverter](http://docs.google.com/org/apache/commons/beanutils/converters/DateTimeConverter.html) implementation that handles conversion to and from **java.sql.Timestamp** objects.  
  This implementation can be configured to handle conversion either by using java.sql.Timestamp's default String conversion, or by using a Locale's default format or by specifying a set of format patterns. See the [DateTimeConverter](http://docs.google.com/org/apache/commons/beanutils/converters/DateTimeConverter.html) documentation for further details.  
  Can be configured to either return a *default value* or throw a ConversionException if a conversion error occurs.Since: 1.3 Version: $Id$

### Constructor SummaryConstructors

|  |
| --- |
| * + Constructor and Description |
| * + [SqlTimestampConverter](http://docs.google.com/org/apache/commons/beanutils/converters/SqlTimestampConverter.html#SqlTimestampConverter--)() Construct a **java.sql.Timestamp** *Converter* that throws a ConversionException if an error occurs. |
| * + [SqlTimestampConverter](http://docs.google.com/org/apache/commons/beanutils/converters/SqlTimestampConverter.html#SqlTimestampConverter-java.lang.Object-)([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) defaultValue) Construct a **java.sql.Timestamp** *Converter* that returns a default value if an error occurs. |

### Method SummaryAll Methods Instance Methods Concrete Methods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + protected [Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<?> | * + [getDefaultType](http://docs.google.com/org/apache/commons/beanutils/converters/SqlTimestampConverter.html#getDefaultType--)() Return the default type this Converter handles. |
| * + protected [DateFormat](https://docs.oracle.com/javase/7/docs/api/java/text/DateFormat.html?is-external=true) | * + [getFormat](http://docs.google.com/org/apache/commons/beanutils/converters/SqlTimestampConverter.html#getFormat-java.util.Locale-java.util.TimeZone-)([Locale](https://docs.oracle.com/javase/7/docs/api/java/util/Locale.html?is-external=true) locale, [TimeZone](https://docs.oracle.com/javase/7/docs/api/java/util/TimeZone.html?is-external=true) timeZone) Return a DateFormat for the Locale. |

### Methods inherited from class org.apache.commons.beanutils.converters.[**DateTimeConverter**](http://docs.google.com/org/apache/commons/beanutils/converters/DateTimeConverter.html)[convertToString](http://docs.google.com/org/apache/commons/beanutils/converters/DateTimeConverter.html#convertToString-java.lang.Object-), [convertToType](http://docs.google.com/org/apache/commons/beanutils/converters/DateTimeConverter.html#convertToType-java.lang.Class-java.lang.Object-), [getLocale](http://docs.google.com/org/apache/commons/beanutils/converters/DateTimeConverter.html#getLocale--), [getPatterns](http://docs.google.com/org/apache/commons/beanutils/converters/DateTimeConverter.html#getPatterns--), [getTimeZone](http://docs.google.com/org/apache/commons/beanutils/converters/DateTimeConverter.html#getTimeZone--), [setLocale](http://docs.google.com/org/apache/commons/beanutils/converters/DateTimeConverter.html#setLocale-java.util.Locale-), [setPattern](http://docs.google.com/org/apache/commons/beanutils/converters/DateTimeConverter.html#setPattern-java.lang.String-), [setPatterns](http://docs.google.com/org/apache/commons/beanutils/converters/DateTimeConverter.html#setPatterns-java.lang.String:A-), [setTimeZone](http://docs.google.com/org/apache/commons/beanutils/converters/DateTimeConverter.html#setTimeZone-java.util.TimeZone-), [setUseLocaleFormat](http://docs.google.com/org/apache/commons/beanutils/converters/DateTimeConverter.html#setUseLocaleFormat-boolean-), [toString](http://docs.google.com/org/apache/commons/beanutils/converters/DateTimeConverter.html#toString--)

### Methods inherited from class org.apache.commons.beanutils.converters.[**AbstractConverter**](http://docs.google.com/org/apache/commons/beanutils/converters/AbstractConverter.html)[conversionException](http://docs.google.com/org/apache/commons/beanutils/converters/AbstractConverter.html#conversionException-java.lang.Class-java.lang.Object-), [convert](http://docs.google.com/org/apache/commons/beanutils/converters/AbstractConverter.html#convert-java.lang.Class-java.lang.Object-), [convertArray](http://docs.google.com/org/apache/commons/beanutils/converters/AbstractConverter.html#convertArray-java.lang.Object-), [getDefault](http://docs.google.com/org/apache/commons/beanutils/converters/AbstractConverter.html#getDefault-java.lang.Class-), [handleError](http://docs.google.com/org/apache/commons/beanutils/converters/AbstractConverter.html#handleError-java.lang.Class-java.lang.Object-java.lang.Throwable-), [handleMissing](http://docs.google.com/org/apache/commons/beanutils/converters/AbstractConverter.html#handleMissing-java.lang.Class-), [isUseDefault](http://docs.google.com/org/apache/commons/beanutils/converters/AbstractConverter.html#isUseDefault--), [setDefaultValue](http://docs.google.com/org/apache/commons/beanutils/converters/AbstractConverter.html#setDefaultValue-java.lang.Object-)

### 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--), [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

#### SqlTimestampConverter public SqlTimestampConverter() Construct a **java.sql.Timestamp** *Converter* that throws a ConversionException if an error occurs.

#### SqlTimestampConverter public SqlTimestampConverter([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) defaultValue) Construct a **java.sql.Timestamp** *Converter* that returns a default value if an error occurs.Parameters: defaultValue - The default value to be returned if the value to be converted is missing or an error occurs converting the value.

### Method Detail

#### getDefaultType protected [Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<?> getDefaultType() Return the default type this Converter handles.Specified by: [getDefaultType](http://docs.google.com/org/apache/commons/beanutils/converters/AbstractConverter.html#getDefaultType--) in class [AbstractConverter](http://docs.google.com/org/apache/commons/beanutils/converters/AbstractConverter.html) Returns: The default type this Converter handles. Since: 1.8.0

#### getFormat protected [DateFormat](https://docs.oracle.com/javase/7/docs/api/java/text/DateFormat.html?is-external=true) getFormat([Locale](https://docs.oracle.com/javase/7/docs/api/java/util/Locale.html?is-external=true) locale, [TimeZone](https://docs.oracle.com/javase/7/docs/api/java/util/TimeZone.html?is-external=true) timeZone) Return a DateFormat for the Locale.Overrides: [getFormat](http://docs.google.com/org/apache/commons/beanutils/converters/DateTimeConverter.html#getFormat-java.util.Locale-java.util.TimeZone-) in class [DateTimeConverter](http://docs.google.com/org/apache/commons/beanutils/converters/DateTimeConverter.html) Parameters: locale - TODO timeZone - TODO Returns: The DateFormat. Since: 1.8.0

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