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org.apache.commons.beanutils.converters

## Class AbstractArrayConverter

* [java.lang.Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)
  + org.apache.commons.beanutils.converters.AbstractArrayConverter
* All Implemented Interfaces: [Converter](http://docs.google.com/org/apache/commons/beanutils/Converter.html) Direct Known Subclasses: [BooleanArrayConverter](http://docs.google.com/org/apache/commons/beanutils/converters/BooleanArrayConverter.html), [ByteArrayConverter](http://docs.google.com/org/apache/commons/beanutils/converters/ByteArrayConverter.html), [CharacterArrayConverter](http://docs.google.com/org/apache/commons/beanutils/converters/CharacterArrayConverter.html), [DoubleArrayConverter](http://docs.google.com/org/apache/commons/beanutils/converters/DoubleArrayConverter.html), [FloatArrayConverter](http://docs.google.com/org/apache/commons/beanutils/converters/FloatArrayConverter.html), [IntegerArrayConverter](http://docs.google.com/org/apache/commons/beanutils/converters/IntegerArrayConverter.html), [LongArrayConverter](http://docs.google.com/org/apache/commons/beanutils/converters/LongArrayConverter.html), [ShortArrayConverter](http://docs.google.com/org/apache/commons/beanutils/converters/ShortArrayConverter.html), [StringArrayConverter](http://docs.google.com/org/apache/commons/beanutils/converters/StringArrayConverter.html)  
  Deprecated.   
  Replaced by the new [ArrayConverter](http://docs.google.com/org/apache/commons/beanutils/converters/ArrayConverter.html) implementation  
    
  [@Deprecated](https://docs.oracle.com/javase/7/docs/api/java/lang/Deprecated.html?is-external=true)  
  public abstract class AbstractArrayConverter  
  extends [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)  
  implements [Converter](http://docs.google.com/org/apache/commons/beanutils/Converter.html)  
  Convenience base class for converters that translate the String representation of an array into a corresponding array of primitives object. This class encapsulates the functionality required to parse the String into a list of String elements that can later be individually converted to the appropriate primitive type.  
  The input syntax accepted by the parseElements() method is designed to be compatible with the syntax used to initialize arrays in a Java source program, except that only String literal values are supported. For maximum flexibility, the surrounding '{' and '}' characters are optional, and individual elements may be separated by any combination of whitespace and comma characters.Since: 1.4 Version: $Id$

### Field SummaryFields

|  |  |
| --- | --- |
| * + Modifier and Type | * + Field and Description |
| * + protected [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) | * + [defaultValue](http://docs.google.com/org/apache/commons/beanutils/converters/AbstractArrayConverter.html#defaultValue) Deprecated.  The default value specified to our Constructor, if any. |
| * + static [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) | * + [NO\_DEFAULT](http://docs.google.com/org/apache/commons/beanutils/converters/AbstractArrayConverter.html#NO_DEFAULT) Deprecated.  This is a special reference that can be passed as the "default object" to the constructor to indicate that no default is desired. |
| * + protected static [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true)[] | * + [strings](http://docs.google.com/org/apache/commons/beanutils/converters/AbstractArrayConverter.html#strings) Deprecated.  Model object for string arrays. |
| * + protected boolean | * + [useDefault](http://docs.google.com/org/apache/commons/beanutils/converters/AbstractArrayConverter.html#useDefault) Deprecated.  Should we return the default value on conversion errors? |

### Constructor SummaryConstructors

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

### Method SummaryAll Methods Instance Methods Abstract Methods Concrete Methods Deprecated Methods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + abstract [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) | * + [convert](http://docs.google.com/org/apache/commons/beanutils/converters/AbstractArrayConverter.html#convert-java.lang.Class-java.lang.Object-)([Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true) type, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) value) Deprecated.  Convert the specified input object into an output object of the specified type. |
| * + protected [List](https://docs.oracle.com/javase/7/docs/api/java/util/List.html?is-external=true) | * + [parseElements](http://docs.google.com/org/apache/commons/beanutils/converters/AbstractArrayConverter.html#parseElements-java.lang.String-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) svalue) Deprecated.  Parse an incoming String of the form similar to an array initializer in the Java language into a List individual Strings for each element, according to the following rules. |

### 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-)

### Field Detail

#### NO\_DEFAULT public static final [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) NO\_DEFAULT Deprecated.  This is a special reference that can be passed as the "default object" to the constructor to indicate that no default is desired. Note that the value 'null' cannot be used for this purpose, as the caller may want a null to be returned as the default.Since: 1.8.0

#### strings protected static [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true)[] strings Deprecated.  Model object for string arrays.

#### defaultValue protected [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) defaultValue Deprecated.  The default value specified to our Constructor, if any.

#### useDefault protected boolean useDefault Deprecated.  Should we return the default value on conversion errors?

### Constructor Detail

#### AbstractArrayConverter public AbstractArrayConverter() Deprecated.  Create a [Converter](http://docs.google.com/org/apache/commons/beanutils/Converter.html) that will throw a [ConversionException](http://docs.google.com/org/apache/commons/beanutils/ConversionException.html) if a conversion error occurs.

#### AbstractArrayConverter public AbstractArrayConverter([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) defaultValue) Deprecated.  Create a [Converter](http://docs.google.com/org/apache/commons/beanutils/Converter.html) that will return the specified default value if a conversion error occurs.Parameters: defaultValue - The default value to be returned Since: 1.8.0

### Method Detail

#### convert public abstract [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) convert([Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true) type, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) value) Deprecated.  Convert the specified input object into an output object of the specified type. This method must be implemented by a concrete subclass.Specified by: [convert](http://docs.google.com/org/apache/commons/beanutils/Converter.html#convert-java.lang.Class-java.lang.Object-) in interface [Converter](http://docs.google.com/org/apache/commons/beanutils/Converter.html) Parameters: type - Data type to which this value should be converted value - The input value to be converted Returns: The converted value Throws: [ConversionException](http://docs.google.com/org/apache/commons/beanutils/ConversionException.html) - if conversion cannot be performed successfully

#### parseElements protected [List](https://docs.oracle.com/javase/7/docs/api/java/util/List.html?is-external=true) parseElements([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) svalue) Deprecated.

* + - Parse an incoming String of the form similar to an array initializer in the Java language into a List individual Strings for each element, according to the following rules.
      * The string is expected to be a comma-separated list of values.
      * The string may optionally have matching '{' and '}' delimiters around the list.
      * Whitespace before and after each element is stripped.
      * Elements in the list may be delimited by single or double quotes. Within a quoted elements, the normal Java escape sequences are valid.

Parameters: svalue - String value to be parsed Returns: The parsed list of String values Throws: [ConversionException](http://docs.google.com/org/apache/commons/beanutils/ConversionException.html) - if the syntax of svalue is not syntactically valid [NullPointerException](https://docs.oracle.com/javase/7/docs/api/java/lang/NullPointerException.html?is-external=true) - if svalue is null

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