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Uses of Package

org.apache.commons.beanutils

* Packages that use [org.apache.commons.beanutils](http://docs.google.com/org/apache/commons/beanutils/package-summary.html)

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| * Package | * Description |
| * [org.apache.commons.beanutils](#3znysh7) | * The *Bean Introspection Utilities* component of the Apache Commons subproject offers low-level utility classes that assist in getting and setting property values on Java classes that follow the naming design patterns outlined in the JavaBeans Specification, as well as mechanisms for dynamically defining and accessing bean properties. |
| * [org.apache.commons.beanutils.converters](#2et92p0) | * Standard implementations of the Converter interface that are pre-registered with ConvertUtils at startup time. |
| * [org.apache.commons.beanutils.locale](#tyjcwt) | * Locale-aware extensions of the standard beanutils classes. |
| * [org.apache.commons.beanutils.locale.converters](#3dy6vkm) | * Standard implementations of the locale-aware LocaleConverter interface that are pre-registered with locale-aware LocaleConvertUtils at startup time. |

* Classes in [org.apache.commons.beanutils](http://docs.google.com/org/apache/commons/beanutils/package-summary.html) used by [org.apache.commons.beanutils](http://docs.google.com/org/apache/commons/beanutils/package-summary.html)

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| * Class and Description |
| * [BaseDynaBeanMapDecorator](http://docs.google.com/org/apache/commons/beanutils/class-use/BaseDynaBeanMapDecorator.html#org.apache.commons.beanutils) A base class for decorators providing Map behavior on [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html)s. |
| * [BasicDynaClass](http://docs.google.com/org/apache/commons/beanutils/class-use/BasicDynaClass.html#org.apache.commons.beanutils) Minimal implementation of the DynaClass interface. |
| * [BeanAccessLanguageException](http://docs.google.com/org/apache/commons/beanutils/class-use/BeanAccessLanguageException.html#org.apache.commons.beanutils) Thrown to indicate that the *Bean Access Language* cannot execute query against given bean. |
| * [BeanIntrospector](http://docs.google.com/org/apache/commons/beanutils/class-use/BeanIntrospector.html#org.apache.commons.beanutils) Definition of an interface for components that can perform introspection on bean classes. |
| * [BeanMap](http://docs.google.com/org/apache/commons/beanutils/class-use/BeanMap.html#org.apache.commons.beanutils) An implementation of Map for JavaBeans which uses introspection to get and put properties in the bean. |
| * [BeanUtilsBean](http://docs.google.com/org/apache/commons/beanutils/class-use/BeanUtilsBean.html#org.apache.commons.beanutils) JavaBean property population methods. |
| * [Converter](http://docs.google.com/org/apache/commons/beanutils/class-use/Converter.html#org.apache.commons.beanutils) General purpose data type converter that can be registered and used within the BeanUtils package to manage the conversion of objects from one type to another. |
| * [ConvertUtilsBean](http://docs.google.com/org/apache/commons/beanutils/class-use/ConvertUtilsBean.html#org.apache.commons.beanutils) Utility methods for converting String scalar values to objects of the specified Class, String arrays to arrays of the specified Class. |
| * [DynaBean](http://docs.google.com/org/apache/commons/beanutils/class-use/DynaBean.html#org.apache.commons.beanutils) A **DynaBean** is a Java object that supports properties whose names and data types, as well as values, may be dynamically modified. |
| * [DynaClass](http://docs.google.com/org/apache/commons/beanutils/class-use/DynaClass.html#org.apache.commons.beanutils) A **DynaClass** is a simulation of the functionality of java.lang.Class for classes implementing the DynaBean interface. |
| * [DynaProperty](http://docs.google.com/org/apache/commons/beanutils/class-use/DynaProperty.html#org.apache.commons.beanutils) The metadata describing an individual property of a DynaBean. |
| * [IntrospectionContext](http://docs.google.com/org/apache/commons/beanutils/class-use/IntrospectionContext.html#org.apache.commons.beanutils) A context interface used during introspection for querying and setting property descriptors. |
| * [LazyDynaBean](http://docs.google.com/org/apache/commons/beanutils/class-use/LazyDynaBean.html#org.apache.commons.beanutils) DynaBean which automatically adds properties to the DynaClass and provides *Lazy List* and *Lazy Map* features. |
| * [MutableDynaClass](http://docs.google.com/org/apache/commons/beanutils/class-use/MutableDynaClass.html#org.apache.commons.beanutils) A specialized extension to DynaClass that allows properties to be added or removed dynamically. |
| * [PropertyUtilsBean](http://docs.google.com/org/apache/commons/beanutils/class-use/PropertyUtilsBean.html#org.apache.commons.beanutils) Utility methods for using Java Reflection APIs to facilitate generic property getter and setter operations on Java objects. |
| * [ResultSetDynaClass](http://docs.google.com/org/apache/commons/beanutils/class-use/ResultSetDynaClass.html#org.apache.commons.beanutils) Implementation of DynaClass for DynaBeans that wrap the java.sql.Row objects of a java.sql.ResultSet. |
| * [SuppressPropertiesBeanIntrospector](http://docs.google.com/org/apache/commons/beanutils/class-use/SuppressPropertiesBeanIntrospector.html#org.apache.commons.beanutils) A specialized BeanIntrospector implementation which suppresses some properties. |
| * [WrapDynaBean](http://docs.google.com/org/apache/commons/beanutils/class-use/WrapDynaBean.html#org.apache.commons.beanutils) Implementation of DynaBean that wraps a standard JavaBean instance, so that DynaBean APIs can be used to access its properties. |
| * [WrapDynaClass](http://docs.google.com/org/apache/commons/beanutils/class-use/WrapDynaClass.html#org.apache.commons.beanutils) Implementation of DynaClass for DynaBeans that wrap standard JavaBean instances. |

* Classes in [org.apache.commons.beanutils](http://docs.google.com/org/apache/commons/beanutils/package-summary.html) used by [org.apache.commons.beanutils.converters](http://docs.google.com/org/apache/commons/beanutils/converters/package-summary.html)

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| * Class and Description |
| * [ConversionException](http://docs.google.com/org/apache/commons/beanutils/class-use/ConversionException.html#org.apache.commons.beanutils.converters) A **ConversionException** indicates that a call to Converter.convert() has failed to complete successfully. |
| * [Converter](http://docs.google.com/org/apache/commons/beanutils/class-use/Converter.html#org.apache.commons.beanutils.converters) General purpose data type converter that can be registered and used within the BeanUtils package to manage the conversion of objects from one type to another. |

* Classes in [org.apache.commons.beanutils](http://docs.google.com/org/apache/commons/beanutils/package-summary.html) used by [org.apache.commons.beanutils.locale](http://docs.google.com/org/apache/commons/beanutils/locale/package-summary.html)

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| * Class and Description |
| * [BeanUtils](http://docs.google.com/org/apache/commons/beanutils/class-use/BeanUtils.html#org.apache.commons.beanutils.locale) Utility methods for populating JavaBeans properties via reflection. |
| * [BeanUtilsBean](http://docs.google.com/org/apache/commons/beanutils/class-use/BeanUtilsBean.html#org.apache.commons.beanutils.locale) JavaBean property population methods. |
| * [Converter](http://docs.google.com/org/apache/commons/beanutils/class-use/Converter.html#org.apache.commons.beanutils.locale) General purpose data type converter that can be registered and used within the BeanUtils package to manage the conversion of objects from one type to another. |
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