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* [Overview](http://docs.google.com/overview-summary.html)
* [Package](http://docs.google.com/package-summary.html)
* Class
* Use
* Tree
* [Deprecated](http://docs.google.com/deprecated-list.html)
* [Index](http://docs.google.com/index-all.html)
* [Help](http://docs.google.com/help-doc.html)
* Prev
* [Next](http://docs.google.com/org/apache/commons/beanutils/converters/package-tree.html)
* [Frames](http://docs.google.com/index.html?org/apache/commons/beanutils/package-tree.html)
* [No Frames](http://docs.google.com/package-tree.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)

Hierarchy For Package org.apache.commons.beanutils

Package Hierarchies:

* [All Packages](http://docs.google.com/overview-tree.html)

Class Hierarchy

* java.lang.[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)
  + java.util.[AbstractCollection](https://docs.oracle.com/javase/7/docs/api/java/util/AbstractCollection.html?is-external=true)<E> (implements java.util.[Collection](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true)<E>)
    - java.util.[AbstractList](https://docs.oracle.com/javase/7/docs/api/java/util/AbstractList.html?is-external=true)<E> (implements java.util.[List](https://docs.oracle.com/javase/7/docs/api/java/util/List.html?is-external=true)<E>)
      * java.util.[ArrayList](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true)<E> (implements java.lang.[Cloneable](https://docs.oracle.com/javase/7/docs/api/java/lang/Cloneable.html?is-external=true), java.util.[List](https://docs.oracle.com/javase/7/docs/api/java/util/List.html?is-external=true)<E>, java.util.[RandomAccess](https://docs.oracle.com/javase/7/docs/api/java/util/RandomAccess.html?is-external=true), java.io.[Serializable](https://docs.oracle.com/javase/7/docs/api/java/io/Serializable.html?is-external=true))
        + org.apache.commons.beanutils.[LazyDynaList](http://docs.google.com/org/apache/commons/beanutils/LazyDynaList.html)
  + org.apache.commons.collections.keyvalue.AbstractKeyValue (implements org.apache.commons.collections.KeyValue)
    - org.apache.commons.collections.keyvalue.AbstractMapEntry (implements java.util.[Map.Entry](https://docs.oracle.com/javase/7/docs/api/java/util/Map.Entry.html?is-external=true)<K,V>)
      * org.apache.commons.beanutils.[BeanMap.Entry](http://docs.google.com/org/apache/commons/beanutils/BeanMap.Entry.html)
  + java.util.[AbstractMap](https://docs.oracle.com/javase/7/docs/api/java/util/AbstractMap.html?is-external=true)<K,V> (implements java.util.[Map](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<K,V>)
    - org.apache.commons.beanutils.[BeanMap](http://docs.google.com/org/apache/commons/beanutils/BeanMap.html) (implements java.lang.[Cloneable](https://docs.oracle.com/javase/7/docs/api/java/lang/Cloneable.html?is-external=true))
  + org.apache.commons.beanutils.[BaseDynaBeanMapDecorator](http://docs.google.com/org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html)<K> (implements java.util.[Map](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<K,V>)
    - org.apache.commons.beanutils.[DynaBeanMapDecorator](http://docs.google.com/org/apache/commons/beanutils/DynaBeanMapDecorator.html)
    - org.apache.commons.beanutils.[DynaBeanPropertyMapDecorator](http://docs.google.com/org/apache/commons/beanutils/DynaBeanPropertyMapDecorator.html)
  + org.apache.commons.beanutils.[BasicDynaBean](http://docs.google.com/org/apache/commons/beanutils/BasicDynaBean.html) (implements org.apache.commons.beanutils.[DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html), java.io.[Serializable](https://docs.oracle.com/javase/7/docs/api/java/io/Serializable.html?is-external=true))
  + org.apache.commons.beanutils.[BasicDynaClass](http://docs.google.com/org/apache/commons/beanutils/BasicDynaClass.html) (implements org.apache.commons.beanutils.[DynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html), java.io.[Serializable](https://docs.oracle.com/javase/7/docs/api/java/io/Serializable.html?is-external=true))
    - org.apache.commons.beanutils.[LazyDynaClass](http://docs.google.com/org/apache/commons/beanutils/LazyDynaClass.html) (implements org.apache.commons.beanutils.[MutableDynaClass](http://docs.google.com/org/apache/commons/beanutils/MutableDynaClass.html))
  + org.apache.commons.beanutils.[BeanComparator](http://docs.google.com/org/apache/commons/beanutils/BeanComparator.html)<T> (implements java.util.[Comparator](https://docs.oracle.com/javase/7/docs/api/java/util/Comparator.html?is-external=true)<T>, java.io.[Serializable](https://docs.oracle.com/javase/7/docs/api/java/io/Serializable.html?is-external=true))
  + org.apache.commons.beanutils.[BeanPredicate](http://docs.google.com/org/apache/commons/beanutils/BeanPredicate.html) (implements org.apache.commons.collections.Predicate)
  + org.apache.commons.beanutils.[BeanPropertyValueChangeClosure](http://docs.google.com/org/apache/commons/beanutils/BeanPropertyValueChangeClosure.html) (implements org.apache.commons.collections.Closure)
  + org.apache.commons.beanutils.[BeanPropertyValueEqualsPredicate](http://docs.google.com/org/apache/commons/beanutils/BeanPropertyValueEqualsPredicate.html) (implements org.apache.commons.collections.Predicate)
  + org.apache.commons.beanutils.[BeanToPropertyValueTransformer](http://docs.google.com/org/apache/commons/beanutils/BeanToPropertyValueTransformer.html) (implements org.apache.commons.collections.Transformer)
  + org.apache.commons.beanutils.[BeanUtils](http://docs.google.com/org/apache/commons/beanutils/BeanUtils.html)
  + org.apache.commons.beanutils.[BeanUtilsBean](http://docs.google.com/org/apache/commons/beanutils/BeanUtilsBean.html)
    - org.apache.commons.beanutils.[BeanUtilsBean2](http://docs.google.com/org/apache/commons/beanutils/BeanUtilsBean2.html)
  + org.apache.commons.beanutils.[ConstructorUtils](http://docs.google.com/org/apache/commons/beanutils/ConstructorUtils.html)
  + org.apache.commons.beanutils.[ContextClassLoaderLocal](http://docs.google.com/org/apache/commons/beanutils/ContextClassLoaderLocal.html)<T>
  + org.apache.commons.beanutils.[ConvertUtils](http://docs.google.com/org/apache/commons/beanutils/ConvertUtils.html)
  + org.apache.commons.beanutils.[ConvertUtilsBean](http://docs.google.com/org/apache/commons/beanutils/ConvertUtilsBean.html)
    - org.apache.commons.beanutils.[ConvertUtilsBean2](http://docs.google.com/org/apache/commons/beanutils/ConvertUtilsBean2.html)
  + org.apache.commons.beanutils.[DefaultBeanIntrospector](http://docs.google.com/org/apache/commons/beanutils/DefaultBeanIntrospector.html) (implements org.apache.commons.beanutils.[BeanIntrospector](http://docs.google.com/org/apache/commons/beanutils/BeanIntrospector.html))
  + org.apache.commons.beanutils.[DynaProperty](http://docs.google.com/org/apache/commons/beanutils/DynaProperty.html) (implements java.io.[Serializable](https://docs.oracle.com/javase/7/docs/api/java/io/Serializable.html?is-external=true))
  + java.beans.[FeatureDescriptor](https://docs.oracle.com/javase/7/docs/api/java/beans/FeatureDescriptor.html?is-external=true)
    - java.beans.[PropertyDescriptor](https://docs.oracle.com/javase/7/docs/api/java/beans/PropertyDescriptor.html?is-external=true)
      * org.apache.commons.beanutils.[MappedPropertyDescriptor](http://docs.google.com/org/apache/commons/beanutils/MappedPropertyDescriptor.html)
  + org.apache.commons.beanutils.[FluentPropertyBeanIntrospector](http://docs.google.com/org/apache/commons/beanutils/FluentPropertyBeanIntrospector.html) (implements org.apache.commons.beanutils.[BeanIntrospector](http://docs.google.com/org/apache/commons/beanutils/BeanIntrospector.html))
  + org.apache.commons.beanutils.[LazyDynaBean](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html) (implements org.apache.commons.beanutils.[DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html), java.io.[Serializable](https://docs.oracle.com/javase/7/docs/api/java/io/Serializable.html?is-external=true))
    - org.apache.commons.beanutils.[LazyDynaMap](http://docs.google.com/org/apache/commons/beanutils/LazyDynaMap.html) (implements org.apache.commons.beanutils.[MutableDynaClass](http://docs.google.com/org/apache/commons/beanutils/MutableDynaClass.html))
  + org.apache.commons.beanutils.[MethodUtils](http://docs.google.com/org/apache/commons/beanutils/MethodUtils.html)
  + org.apache.commons.beanutils.[PropertyUtils](http://docs.google.com/org/apache/commons/beanutils/PropertyUtils.html)
  + org.apache.commons.beanutils.[PropertyUtilsBean](http://docs.google.com/org/apache/commons/beanutils/PropertyUtilsBean.html)
  + org.apache.commons.beanutils.[ResultSetDynaClass](http://docs.google.com/org/apache/commons/beanutils/ResultSetDynaClass.html) (implements org.apache.commons.beanutils.[DynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html))
  + org.apache.commons.beanutils.[ResultSetIterator](http://docs.google.com/org/apache/commons/beanutils/ResultSetIterator.html) (implements org.apache.commons.beanutils.[DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html), java.util.[Iterator](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true)<E>)
  + org.apache.commons.beanutils.[RowSetDynaClass](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html) (implements org.apache.commons.beanutils.[DynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html), java.io.[Serializable](https://docs.oracle.com/javase/7/docs/api/java/io/Serializable.html?is-external=true))
  + org.apache.commons.beanutils.[SuppressPropertiesBeanIntrospector](http://docs.google.com/org/apache/commons/beanutils/SuppressPropertiesBeanIntrospector.html) (implements org.apache.commons.beanutils.[BeanIntrospector](http://docs.google.com/org/apache/commons/beanutils/BeanIntrospector.html))
  + java.lang.[Throwable](https://docs.oracle.com/javase/7/docs/api/java/lang/Throwable.html?is-external=true) (implements java.io.[Serializable](https://docs.oracle.com/javase/7/docs/api/java/io/Serializable.html?is-external=true))
    - java.lang.[Exception](https://docs.oracle.com/javase/7/docs/api/java/lang/Exception.html?is-external=true)
      * java.lang.[RuntimeException](https://docs.oracle.com/javase/7/docs/api/java/lang/RuntimeException.html?is-external=true)
        + org.apache.commons.beanutils.[ConversionException](http://docs.google.com/org/apache/commons/beanutils/ConversionException.html)
        + java.lang.[IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true)

org.apache.commons.beanutils.[BeanAccessLanguageException](http://docs.google.com/org/apache/commons/beanutils/BeanAccessLanguageException.html)

org.apache.commons.beanutils.[NestedNullException](http://docs.google.com/org/apache/commons/beanutils/NestedNullException.html)

* + org.apache.commons.beanutils.[WrapDynaBean](http://docs.google.com/org/apache/commons/beanutils/WrapDynaBean.html) (implements org.apache.commons.beanutils.[DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html), java.io.[Serializable](https://docs.oracle.com/javase/7/docs/api/java/io/Serializable.html?is-external=true))
    - org.apache.commons.beanutils.[ConvertingWrapDynaBean](http://docs.google.com/org/apache/commons/beanutils/ConvertingWrapDynaBean.html)
  + org.apache.commons.beanutils.[WrapDynaClass](http://docs.google.com/org/apache/commons/beanutils/WrapDynaClass.html) (implements org.apache.commons.beanutils.[DynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html))

## Interface Hierarchy

* org.apache.commons.beanutils.[BeanIntrospector](http://docs.google.com/org/apache/commons/beanutils/BeanIntrospector.html)
* org.apache.commons.beanutils.[Converter](http://docs.google.com/org/apache/commons/beanutils/Converter.html)
* org.apache.commons.beanutils.[DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html)
* org.apache.commons.beanutils.[DynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html)
  + org.apache.commons.beanutils.[MutableDynaClass](http://docs.google.com/org/apache/commons/beanutils/MutableDynaClass.html)
* org.apache.commons.beanutils.[IntrospectionContext](http://docs.google.com/org/apache/commons/beanutils/IntrospectionContext.html)

[Skip navigation links](#tyjcwt)

* [Overview](http://docs.google.com/overview-summary.html)
* [Package](http://docs.google.com/package-summary.html)
* Class
* Use
* Tree
* [Deprecated](http://docs.google.com/deprecated-list.html)
* [Index](http://docs.google.com/index-all.html)
* [Help](http://docs.google.com/help-doc.html)
* Prev
* [Next](http://docs.google.com/org/apache/commons/beanutils/converters/package-tree.html)
* [Frames](http://docs.google.com/index.html?org/apache/commons/beanutils/package-tree.html)
* [No Frames](http://docs.google.com/package-tree.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)

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