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Serialized Form

## Package org.apache.commons.beanutils

### Class [**org.apache.commons.beanutils.BasicDynaBean**](http://docs.google.com/org/apache/commons/beanutils/BasicDynaBean.html) extends [**Object**](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) implements Serializable

### Serialized Fields

#### dynaClass [DynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html) dynaClass The DynaClass "base class" that this DynaBean is associated with.

#### values [HashMap](https://docs.oracle.com/javase/7/docs/api/java/util/HashMap.html?is-external=true)<[K](https://docs.oracle.com/javase/7/docs/api/java/util/HashMap.html?is-external=true),[V](https://docs.oracle.com/javase/7/docs/api/java/util/HashMap.html?is-external=true)> values The set of property values for this DynaBean, keyed by property name.

### Class [**org.apache.commons.beanutils.BasicDynaClass**](http://docs.google.com/org/apache/commons/beanutils/BasicDynaClass.html) extends [**Object**](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) implements Serializable

### Serialized Fields

#### constructorValues [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)[] constructorValues The argument values to be passed to the constructore we will use to create new DynaBean instances.

#### dynaBeanClass [Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<[T](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)> dynaBeanClass The DynaBean implementation class we will use for creating new instances.

#### name [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name The "name" of this DynaBean class.

#### properties [DynaProperty](http://docs.google.com/org/apache/commons/beanutils/DynaProperty.html)[] properties The set of dynamic properties that are part of this DynaClass.

#### propertiesMap [HashMap](https://docs.oracle.com/javase/7/docs/api/java/util/HashMap.html?is-external=true)<[K](https://docs.oracle.com/javase/7/docs/api/java/util/HashMap.html?is-external=true),[V](https://docs.oracle.com/javase/7/docs/api/java/util/HashMap.html?is-external=true)> propertiesMap The set of dynamic properties that are part of this DynaClass, keyed by the property name. Individual descriptor instances will be the same instances as those in the properties list.

### Class [**org.apache.commons.beanutils.BeanAccessLanguageException**](http://docs.google.com/org/apache/commons/beanutils/BeanAccessLanguageException.html) extends [**IllegalArgumentException**](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) implements Serializable

### Class [**org.apache.commons.beanutils.BeanComparator**](http://docs.google.com/org/apache/commons/beanutils/BeanComparator.html) extends [**Object**](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) implements Serializable

### Serialized Fields

#### property [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) property

#### comparator [Comparator](https://docs.oracle.com/javase/7/docs/api/java/util/Comparator.html?is-external=true)<[T](https://docs.oracle.com/javase/7/docs/api/java/util/Comparator.html?is-external=true)> comparator

### Class [**org.apache.commons.beanutils.ConversionException**](http://docs.google.com/org/apache/commons/beanutils/ConversionException.html) extends [**RuntimeException**](https://docs.oracle.com/javase/7/docs/api/java/lang/RuntimeException.html?is-external=true) implements Serializable

### Serialized Fields

#### cause [Throwable](https://docs.oracle.com/javase/7/docs/api/java/lang/Throwable.html?is-external=true) cause The root cause of this ConversionException, compatible with JDK 1.4's extensions to java.lang.Throwable.

### Class [**org.apache.commons.beanutils.ConvertingWrapDynaBean**](http://docs.google.com/org/apache/commons/beanutils/ConvertingWrapDynaBean.html) extends [**WrapDynaBean**](http://docs.google.com/org/apache/commons/beanutils/WrapDynaBean.html) implements Serializable

### Class [**org.apache.commons.beanutils.DynaProperty**](http://docs.google.com/org/apache/commons/beanutils/DynaProperty.html) extends [**Object**](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) implements Serializable

### Serialization Methods

#### readObject private void readObject([ObjectInputStream](https://docs.oracle.com/javase/7/docs/api/java/io/ObjectInputStream.html?is-external=true) in) throws [IOException](https://docs.oracle.com/javase/7/docs/api/java/io/IOException.html?is-external=true), [ClassNotFoundException](https://docs.oracle.com/javase/7/docs/api/java/lang/ClassNotFoundException.html?is-external=true) Reads field values for this object safely. There are issues with serializing primitive class types on certain JVM versions (including java 1.3). This method provides a workaround.Throws: [StreamCorruptedException](https://docs.oracle.com/javase/7/docs/api/java/io/StreamCorruptedException.html?is-external=true) - when the stream data values are outside expected range [IOException](https://docs.oracle.com/javase/7/docs/api/java/io/IOException.html?is-external=true) [ClassNotFoundException](https://docs.oracle.com/javase/7/docs/api/java/lang/ClassNotFoundException.html?is-external=true)

#### writeObject private void writeObject([ObjectOutputStream](https://docs.oracle.com/javase/7/docs/api/java/io/ObjectOutputStream.html?is-external=true) out) throws [IOException](https://docs.oracle.com/javase/7/docs/api/java/io/IOException.html?is-external=true) Writes this object safely. There are issues with serializing primitive class types on certain JVM versions (including java 1.3). This method provides a workaround.Throws: [IOException](https://docs.oracle.com/javase/7/docs/api/java/io/IOException.html?is-external=true)

### Serialized Fields

#### name [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name Property name

### Class [**org.apache.commons.beanutils.LazyDynaBean**](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html) extends [**Object**](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) implements Serializable

### Serialized Fields

#### values [Map](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<[K](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true),[V](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)> values The MutableDynaClass "base class" that this DynaBean is associated with.

#### dynaClass [MutableDynaClass](http://docs.google.com/org/apache/commons/beanutils/MutableDynaClass.html) dynaClass The MutableDynaClass "base class" that this DynaBean is associated with.

### Class [**org.apache.commons.beanutils.LazyDynaClass**](http://docs.google.com/org/apache/commons/beanutils/LazyDynaClass.html) extends [**BasicDynaClass**](http://docs.google.com/org/apache/commons/beanutils/BasicDynaClass.html) implements Serializable

### Serialized Fields

#### restricted boolean restricted Controls whether changes to this DynaClass's properties are allowed.

#### returnNull boolean returnNull Controls whether the getDynaProperty() method returns null if a property doesn't exist - or creates a new one. Default is false.

### Class [**org.apache.commons.beanutils.LazyDynaList**](http://docs.google.com/org/apache/commons/beanutils/LazyDynaList.html) extends [**ArrayList**](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true)<[**Object**](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> implements Serializable

### Serialized Fields

#### elementDynaClass [DynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html) elementDynaClass The DynaClass of the List's elements.

#### elementType [Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<[T](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)> elementType The type of the List's elements.

#### elementDynaBeanType [Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<[T](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)> elementDynaBeanType The DynaBean type of the List's elements.

### Class [**org.apache.commons.beanutils.LazyDynaMap**](http://docs.google.com/org/apache/commons/beanutils/LazyDynaMap.html) extends [**LazyDynaBean**](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html) implements Serializable

### Serialized Fields

#### name [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name The name of this DynaClass (analogous to the getName() method of java.lang.Class).

#### restricted boolean restricted Controls whether changes to this DynaClass's properties are allowed.

#### returnNull boolean returnNull Controls whether the getDynaProperty() method returns null if a property doesn't exist - or creates a new one. Default is false.

### Class [**org.apache.commons.beanutils.NestedNullException**](http://docs.google.com/org/apache/commons/beanutils/NestedNullException.html) extends [**BeanAccessLanguageException**](http://docs.google.com/org/apache/commons/beanutils/BeanAccessLanguageException.html) implements Serializable

### Class [**org.apache.commons.beanutils.ResultSetDynaClass**](http://docs.google.com/org/apache/commons/beanutils/ResultSetDynaClass.html) extends org.apache.commons.beanutils.JDBCDynaClass implements Serializable

### Serialized Fields

#### resultSet [ResultSet](https://docs.oracle.com/javase/7/docs/api/java/sql/ResultSet.html?is-external=true) resultSet The ResultSet we are wrapping.

### Class [**org.apache.commons.beanutils.RowSetDynaClass**](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html) extends org.apache.commons.beanutils.JDBCDynaClass implements Serializable

### Serialized Fields

#### limit int limit Limits the size of the returned list. The call to getRows() will return at most limit number of rows. If less than or equal to 0, does not limit the size of the result.

#### rows [List](https://docs.oracle.com/javase/7/docs/api/java/util/List.html?is-external=true)<[E](https://docs.oracle.com/javase/7/docs/api/java/util/List.html?is-external=true)> rows The list of [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html)s representing the contents of the original ResultSet on which this [RowSetDynaClass](http://docs.google.com/org/apache/commons/beanutils/RowSetDynaClass.html) was based.

### Class [**org.apache.commons.beanutils.WrapDynaBean**](http://docs.google.com/org/apache/commons/beanutils/WrapDynaBean.html) extends [**Object**](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) implements Serializable

### Serialized Fields

#### instance [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) instance The JavaBean instance wrapped by this WrapDynaBean.

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