JavaScript is disabled on your browser.

[Skip navigation links](#1fob9te)

* [Overview](http://docs.google.com/overview-summary.html)
* [Package](http://docs.google.com/package-summary.html)
* Class
* [Use](http://docs.google.com/class-use/BaseDynaBeanMapDecorator.html)
* [Tree](http://docs.google.com/package-tree.html)
* [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 Class
* [Next Class](http://docs.google.com/org/apache/commons/beanutils/BasicDynaBean.html)
* [Frames](http://docs.google.com/index.html?org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html)
* [No Frames](http://docs.google.com/BaseDynaBeanMapDecorator.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)
* Summary:
* Nested |
* Field |
* [Constr](#tyjcwt) |
* [Method](#3dy6vkm)
* Detail:
* Field |
* [Constr](#2s8eyo1) |
* [Method](#26in1rg)

org.apache.commons.beanutils

## Class BaseDynaBeanMapDecorator<K>

* [java.lang.Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)
  + org.apache.commons.beanutils.BaseDynaBeanMapDecorator<K>
* Type Parameters: K - the type of the keys in the decorated map All Implemented Interfaces: [Map](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<K,[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> Direct Known Subclasses: [DynaBeanMapDecorator](http://docs.google.com/org/apache/commons/beanutils/DynaBeanMapDecorator.html), [DynaBeanPropertyMapDecorator](http://docs.google.com/org/apache/commons/beanutils/DynaBeanPropertyMapDecorator.html)  
    
  public abstract class BaseDynaBeanMapDecorator<K>  
  extends [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)  
  implements [Map](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<K,[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)>  
  A base class for decorators providing Map behavior on [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html)s.  
  The motivation for this implementation is to provide access to [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) properties in technologies that are unaware of BeanUtils and [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html)s - such as the expression languages of JSTL and JSF.  
  This rather technical base class implements the methods of the Map interface on top of a DynaBean. It was introduced to handle generic parameters in a meaningful way without breaking backwards compatibility of the [DynaBeanMapDecorator](http://docs.google.com/org/apache/commons/beanutils/DynaBeanMapDecorator.html) class: A map wrapping a DynaBean should be of type Map<String, Object>. However, when using these generic parameters in DynaBeanMapDecorator this would be an incompatible change (as method signatures would have to be adapted). To solve this problem, this generic base class is added which allows specifying the key type as parameter. This makes it easy to have a new subclass using the correct generic parameters while DynaBeanMapDecorator could still remain with compatible parameters.Since: BeanUtils 1.9.0 Version: $Id$

### Nested Class Summary

### Nested classes/interfaces inherited from interface java.util.[**Map**](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)[Map.Entry](https://docs.oracle.com/javase/7/docs/api/java/util/Map.Entry.html?is-external=true)<[K](https://docs.oracle.com/javase/7/docs/api/java/util/Map.Entry.html?is-external=true),[V](https://docs.oracle.com/javase/7/docs/api/java/util/Map.Entry.html?is-external=true)>

### Constructor SummaryConstructors

|  |
| --- |
| * + Constructor and Description |
| * + [BaseDynaBeanMapDecorator](http://docs.google.com/org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html#BaseDynaBeanMapDecorator-org.apache.commons.beanutils.DynaBean-)([DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) dynaBean) Constructs a read only Map for the specified [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html). |
| * + [BaseDynaBeanMapDecorator](http://docs.google.com/org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html#BaseDynaBeanMapDecorator-org.apache.commons.beanutils.DynaBean-boolean-)([DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) dynaBean, boolean readOnly) Construct a Map for the specified [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html). |

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

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + void | * + [clear](http://docs.google.com/org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html#clear--)() clear() operation is not supported. |
| * + boolean | * + [containsKey](http://docs.google.com/org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html#containsKey-java.lang.Object-)([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) key) Indicate whether the [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) contains a specified value for one (or more) of its properties. |
| * + boolean | * + [containsValue](http://docs.google.com/org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html#containsValue-java.lang.Object-)([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) value) Indicates whether the decorated [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) contains a specified value. |
| * + protected abstract [K](http://docs.google.com/org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html) | * + [convertKey](http://docs.google.com/org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html#convertKey-java.lang.String-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) propertyName) Converts the name of a property to the key type of this decorator. |
| * + [Set](https://docs.oracle.com/javase/7/docs/api/java/util/Set.html?is-external=true)<[Map.Entry](https://docs.oracle.com/javase/7/docs/api/java/util/Map.Entry.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html),[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)>> | * + [entrySet](http://docs.google.com/org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html#entrySet--)() Returns the Set of the property/value mappings in the decorated [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html). |
| * + [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) | * + [get](http://docs.google.com/org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html#get-java.lang.Object-)([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) key) Return the value for the specified key from the decorated [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html). |
| * + [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) | * + [getDynaBean](http://docs.google.com/org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html#getDynaBean--)() Provide access to the underlying [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) this Map decorates. |
| * + boolean | * + [isEmpty](http://docs.google.com/org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html#isEmpty--)() Indicate whether the decorated [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) has any properties. |
| * + boolean | * + [isReadOnly](http://docs.google.com/org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html#isReadOnly--)() Indicate whether the Map is read only. |
| * + [Set](https://docs.oracle.com/javase/7/docs/api/java/util/Set.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html)> | * + [keySet](http://docs.google.com/org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html#keySet--)() Returns the Set of the property names in the decorated [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html). |
| * + [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) | * + [put](http://docs.google.com/org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html#put-K-java.lang.Object-)([K](http://docs.google.com/org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html) key, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) value) Set the value for the specified property in the decorated [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html). |
| * + void | * + [putAll](http://docs.google.com/org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html#putAll-java.util.Map-)([Map](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<? extends [K](http://docs.google.com/org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html),? extends [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> map) Copy the contents of a Map to the decorated [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html). |
| * + [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) | * + [remove](http://docs.google.com/org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html#remove-java.lang.Object-)([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) key) remove() operation is not supported. |
| * + int | * + [size](http://docs.google.com/org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html#size--)() Returns the number properties in the decorated [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html). |
| * + [Collection](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true)<[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> | * + [values](http://docs.google.com/org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html#values--)() Returns the set of property values in the decorated [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html). |

### 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-)

### Methods inherited from interface java.util.[**Map**](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)[compute](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#compute-K-java.util.function.BiFunction-), [computeIfAbsent](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#computeIfAbsent-K-java.util.function.Function-), [computeIfPresent](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#computeIfPresent-K-java.util.function.BiFunction-), [equals](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#equals-java.lang.Object-), [forEach](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#forEach-java.util.function.BiConsumer-), [getOrDefault](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#getOrDefault-java.lang.Object-V-), [hashCode](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#hashCode--), [merge](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#merge-K-V-java.util.function.BiFunction-), [putIfAbsent](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#putIfAbsent-K-V-), [remove](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#remove-java.lang.Object-java.lang.Object-), [replace](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#replace-K-V-), [replace](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#replace-K-V-V-), [replaceAll](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#replaceAll-java.util.function.BiFunction-)

### Constructor Detail

#### BaseDynaBeanMapDecorator public BaseDynaBeanMapDecorator([DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) dynaBean) Constructs a read only Map for the specified [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html).Parameters: dynaBean - The dyna bean being decorated Throws: [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - if the [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) is null.

#### BaseDynaBeanMapDecorator public BaseDynaBeanMapDecorator([DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) dynaBean, boolean readOnly) Construct a Map for the specified [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html).Parameters: dynaBean - The dyna bean being decorated readOnly - true if the Map is read only otherwise false Throws: [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - if the [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) is null.

### Method Detail

#### isReadOnly public boolean isReadOnly() Indicate whether the Map is read only.Returns: true if the Map is read only, otherwise false.

#### clear public void clear() clear() operation is not supported.Specified by: [clear](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#clear--) in interface [Map](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html),[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> Throws: [UnsupportedOperationException](https://docs.oracle.com/javase/7/docs/api/java/lang/UnsupportedOperationException.html?is-external=true)

#### containsKey public boolean containsKey([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) key) Indicate whether the [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) contains a specified value for one (or more) of its properties.Specified by: [containsKey](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#containsKey-java.lang.Object-) in interface [Map](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html),[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> Parameters: key - The [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html)'s property name Returns: true if one of the [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html)'s properties contains a specified value.

#### containsValue public boolean containsValue([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) value) Indicates whether the decorated [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) contains a specified value.Specified by: [containsValue](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#containsValue-java.lang.Object-) in interface [Map](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html),[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> Parameters: value - The value to check for. Returns: true if one of the the [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html)'s properties contains the specified value, otherwise false.

#### entrySet public [Set](https://docs.oracle.com/javase/7/docs/api/java/util/Set.html?is-external=true)<[Map.Entry](https://docs.oracle.com/javase/7/docs/api/java/util/Map.Entry.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html),[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)>> entrySet() Returns the Set of the property/value mappings in the decorated [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html). Each element in the Set is a Map.Entry type.Specified by: [entrySet](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#entrySet--) in interface [Map](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html),[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> Returns: An unmodifiable set of the DynaBean property name/value pairs

#### get public [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) get([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) key) Return the value for the specified key from the decorated [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html).Specified by: [get](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#get-java.lang.Object-) in interface [Map](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html),[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> Parameters: key - The [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html)'s property name Returns: The value for the specified property.

#### isEmpty public boolean isEmpty() Indicate whether the decorated [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) has any properties.Specified by: [isEmpty](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#isEmpty--) in interface [Map](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html),[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> Returns: true if the [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) has no properties, otherwise false.

#### keySet public [Set](https://docs.oracle.com/javase/7/docs/api/java/util/Set.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html)> keySet() Returns the Set of the property names in the decorated [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html). **N.B.**For [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html)s whose associated [DynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html) is a [MutableDynaClass](http://docs.google.com/org/apache/commons/beanutils/MutableDynaClass.html) a new Set is created every time, otherwise the Set is created only once and cached.Specified by: [keySet](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#keySet--) in interface [Map](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html),[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> Returns: An unmodifiable set of the [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html)s property names.

#### put public [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) put([K](http://docs.google.com/org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html) key, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) value) Set the value for the specified property in the decorated [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html).Specified by: [put](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#put-K-V-) in interface [Map](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html),[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> Parameters: key - The [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html)'s property name value - The value for the specified property. Returns: The previous property's value. Throws: [UnsupportedOperationException](https://docs.oracle.com/javase/7/docs/api/java/lang/UnsupportedOperationException.html?is-external=true) - if isReadOnly() is true.

#### putAll public void putAll([Map](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<? extends [K](http://docs.google.com/org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html),? extends [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> map) Copy the contents of a Map to the decorated [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html).Specified by: [putAll](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#putAll-java.util.Map-) in interface [Map](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html),[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> Parameters: map - The Map of values to copy. Throws: [UnsupportedOperationException](https://docs.oracle.com/javase/7/docs/api/java/lang/UnsupportedOperationException.html?is-external=true) - if isReadOnly() is true.

#### remove public [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) remove([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) key) remove() operation is not supported.Specified by: [remove](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#remove-java.lang.Object-) in interface [Map](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html),[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> Parameters: key - The [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html)'s property name Returns: the value removed Throws: [UnsupportedOperationException](https://docs.oracle.com/javase/7/docs/api/java/lang/UnsupportedOperationException.html?is-external=true)

#### size public int size() Returns the number properties in the decorated [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html).Specified by: [size](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#size--) in interface [Map](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html),[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> Returns: The number of properties.

#### values public [Collection](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true)<[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> values() Returns the set of property values in the decorated [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html).Specified by: [values](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true#values--) in interface [Map](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html),[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> Returns: Unmodifiable collection of values.

#### getDynaBean public [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) getDynaBean() Provide access to the underlying [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) this Map decorates.Returns: the decorated [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html).

#### convertKey protected abstract [K](http://docs.google.com/org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html) convertKey([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) propertyName) Converts the name of a property to the key type of this decorator.Parameters: propertyName - the name of a property Returns: the converted key to be used in the decorated map

[Skip navigation links](#147n2zr)

* [Overview](http://docs.google.com/overview-summary.html)
* [Package](http://docs.google.com/package-summary.html)
* Class
* [Use](http://docs.google.com/class-use/BaseDynaBeanMapDecorator.html)
* [Tree](http://docs.google.com/package-tree.html)
* [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 Class
* [Next Class](http://docs.google.com/org/apache/commons/beanutils/BasicDynaBean.html)
* [Frames](http://docs.google.com/index.html?org/apache/commons/beanutils/BaseDynaBeanMapDecorator.html)
* [No Frames](http://docs.google.com/BaseDynaBeanMapDecorator.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)
* Summary:
* Nested |
* Field |
* [Constr](#tyjcwt) |
* [Method](#3dy6vkm)
* Detail:
* Field |
* [Constr](#2s8eyo1) |
* [Method](#26in1rg)

Copyright © 2000–2019 [The Apache Software Foundation](https://www.apache.org/). All rights reserved.