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/WrapDynaBean.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](http://docs.google.com/org/apache/commons/beanutils/SuppressPropertiesBeanIntrospector.html)
* [Next Class](http://docs.google.com/org/apache/commons/beanutils/WrapDynaClass.html)
* [Frames](http://docs.google.com/index.html?org/apache/commons/beanutils/WrapDynaBean.html)
* [No Frames](http://docs.google.com/WrapDynaBean.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)
* Summary:
* Nested |
* [Field](#3znysh7) |
* [Constr](#2et92p0) |
* [Method](#tyjcwt)
* Detail:
* [Field](#1t3h5sf) |
* [Constr](#17dp8vu) |
* [Method](#lnxbz9)

org.apache.commons.beanutils

## Class WrapDynaBean

* [java.lang.Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)
  + org.apache.commons.beanutils.WrapDynaBean
* All Implemented Interfaces: [Serializable](https://docs.oracle.com/javase/7/docs/api/java/io/Serializable.html?is-external=true), [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) Direct Known Subclasses: [ConvertingWrapDynaBean](http://docs.google.com/org/apache/commons/beanutils/ConvertingWrapDynaBean.html)  
    
  public class WrapDynaBean  
  extends [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)  
  implements [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html), [Serializable](https://docs.oracle.com/javase/7/docs/api/java/io/Serializable.html?is-external=true)  
  Implementation of DynaBean that wraps a standard JavaBean instance, so that DynaBean APIs can be used to access its properties.  
  The most common use cases for this class involve wrapping an existing java bean. (This makes it different from the typical use cases for other DynaBean's.) For example:  
   Object aJavaBean = ...;  
   ...  
   DynaBean db = new WrapDynaBean(aJavaBean);  
   ...  
     
  **IMPLEMENTATION NOTE** - This implementation does not support the contains() and remove() methods.Version: $Id$ See Also: [Serialized Form](http://docs.google.com/serialized-form.html#org.apache.commons.beanutils.WrapDynaBean)

### Field SummaryFields

|  |  |
| --- | --- |
| * + Modifier and Type | * + Field and Description |
| * + protected [WrapDynaClass](http://docs.google.com/org/apache/commons/beanutils/WrapDynaClass.html) | * + [dynaClass](http://docs.google.com/org/apache/commons/beanutils/WrapDynaBean.html#dynaClass) The DynaClass "base class" that this DynaBean is associated with. |
| * + protected [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) | * + [instance](http://docs.google.com/org/apache/commons/beanutils/WrapDynaBean.html#instance) The JavaBean instance wrapped by this WrapDynaBean. |

### Constructor SummaryConstructors

|  |
| --- |
| * + Constructor and Description |
| * + [WrapDynaBean](http://docs.google.com/org/apache/commons/beanutils/WrapDynaBean.html#WrapDynaBean-java.lang.Object-)([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) instance) Construct a new DynaBean associated with the specified JavaBean instance. |
| * + [WrapDynaBean](http://docs.google.com/org/apache/commons/beanutils/WrapDynaBean.html#WrapDynaBean-java.lang.Object-org.apache.commons.beanutils.WrapDynaClass-)([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) instance, [WrapDynaClass](http://docs.google.com/org/apache/commons/beanutils/WrapDynaClass.html) cls) Creates a new instance of WrapDynaBean, associates it with the specified JavaBean instance, and initializes the bean's DynaClass. |

### Method SummaryAll Methods Instance Methods Concrete Methods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + boolean | * + [contains](http://docs.google.com/org/apache/commons/beanutils/WrapDynaBean.html#contains-java.lang.String-java.lang.String-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) key) Does the specified mapped property contain a value for the specified key value? |
| * + [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/WrapDynaBean.html#get-java.lang.String-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name) Return the value of a simple property with the specified name. |
| * + [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/WrapDynaBean.html#get-java.lang.String-int-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, int index) Return the value of an indexed property with the specified name. |
| * + [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/WrapDynaBean.html#get-java.lang.String-java.lang.String-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) key) Return the value of a mapped property with the specified name, or null if there is no value for the specified key. |
| * + [DynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html) | * + [getDynaClass](http://docs.google.com/org/apache/commons/beanutils/WrapDynaBean.html#getDynaClass--)() Return the DynaClass instance that describes the set of properties available for this DynaBean. |
| * + protected [DynaProperty](http://docs.google.com/org/apache/commons/beanutils/DynaProperty.html) | * + [getDynaProperty](http://docs.google.com/org/apache/commons/beanutils/WrapDynaBean.html#getDynaProperty-java.lang.String-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name) Return the property descriptor for the specified property name. |
| * + [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) | * + [getInstance](http://docs.google.com/org/apache/commons/beanutils/WrapDynaBean.html#getInstance--)() Gets the bean instance wrapped by this DynaBean. |
| * + void | * + [remove](http://docs.google.com/org/apache/commons/beanutils/WrapDynaBean.html#remove-java.lang.String-java.lang.String-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) key) Remove any existing value for the specified key on the specified mapped property. |
| * + void | * + [set](http://docs.google.com/org/apache/commons/beanutils/WrapDynaBean.html#set-java.lang.String-int-java.lang.Object-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, int index, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) value) Set the value of an indexed property with the specified name. |
| * + void | * + [set](http://docs.google.com/org/apache/commons/beanutils/WrapDynaBean.html#set-java.lang.String-java.lang.Object-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) value) Set the value of a simple property with the specified name. |
| * + void | * + [set](http://docs.google.com/org/apache/commons/beanutils/WrapDynaBean.html#set-java.lang.String-java.lang.String-java.lang.Object-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) key, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) value) Set the value of a mapped property with the specified name. |

### 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

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

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

### Constructor Detail

#### WrapDynaBean public WrapDynaBean([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) instance) Construct a new DynaBean associated with the specified JavaBean instance.Parameters: instance - JavaBean instance to be wrapped

#### WrapDynaBean public WrapDynaBean([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) instance, [WrapDynaClass](http://docs.google.com/org/apache/commons/beanutils/WrapDynaClass.html) cls) Creates a new instance of WrapDynaBean, associates it with the specified JavaBean instance, and initializes the bean's DynaClass. Using this constructor this WrapDynaBean instance can be assigned a class which has been configured externally. If no WrapDynaClass is provided, a new one is created using a standard mechanism.Parameters: instance - JavaBean instance to be wrapped cls - the optional WrapDynaClass to be used for this bean Since: 1.9

### Method Detail

#### contains public boolean contains([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) key) Does the specified mapped property contain a value for the specified key value?Specified by: [contains](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html#contains-java.lang.String-java.lang.String-) in interface [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) Parameters: name - Name of the property to check key - Name of the key to check Returns: true if the mapped property contains a value for the specified key, otherwise false Throws: [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - if there is no property of the specified name

#### get public [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) get([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name) Return the value of a simple property with the specified name.Specified by: [get](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html#get-java.lang.String-) in interface [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) Parameters: name - Name of the property whose value is to be retrieved Returns: The property's value Throws: [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - if there is no property of the specified name

#### get public [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) get([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, int index) Return the value of an indexed property with the specified name.Specified by: [get](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html#get-java.lang.String-int-) in interface [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) Parameters: name - Name of the property whose value is to be retrieved index - Index of the value to be retrieved Returns: The indexed property's value Throws: [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - if there is no property of the specified name [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - if the specified property exists, but is not indexed [IndexOutOfBoundsException](https://docs.oracle.com/javase/7/docs/api/java/lang/IndexOutOfBoundsException.html?is-external=true) - if the specified index is outside the range of the underlying property [NullPointerException](https://docs.oracle.com/javase/7/docs/api/java/lang/NullPointerException.html?is-external=true) - if no array or List has been initialized for this property

#### get public [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) get([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) key) Return the value of a mapped property with the specified name, or null if there is no value for the specified key.Specified by: [get](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html#get-java.lang.String-java.lang.String-) in interface [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) Parameters: name - Name of the property whose value is to be retrieved key - Key of the value to be retrieved Returns: The mapped property's value Throws: [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - if there is no property of the specified name [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - if the specified property exists, but is not mapped

#### getDynaClass public [DynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html) getDynaClass() Return the DynaClass instance that describes the set of properties available for this DynaBean.Specified by: [getDynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html#getDynaClass--) in interface [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) Returns: The associated DynaClass

#### remove public void remove([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) key) Remove any existing value for the specified key on the specified mapped property.Specified by: [remove](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html#remove-java.lang.String-java.lang.String-) in interface [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) Parameters: name - Name of the property for which a value is to be removed key - Key of the value to be removed Throws: [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - if there is no property of the specified name

#### set public void set([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) value) Set the value of a simple property with the specified name.Specified by: [set](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html#set-java.lang.String-java.lang.Object-) in interface [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) Parameters: name - Name of the property whose value is to be set value - Value to which this property is to be set Throws: [ConversionException](http://docs.google.com/org/apache/commons/beanutils/ConversionException.html) - if the specified value cannot be converted to the type required for this property [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - if there is no property of the specified name [NullPointerException](https://docs.oracle.com/javase/7/docs/api/java/lang/NullPointerException.html?is-external=true) - if an attempt is made to set a primitive property to null

#### set public void set([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, int index, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) value) Set the value of an indexed property with the specified name.Specified by: [set](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html#set-java.lang.String-int-java.lang.Object-) in interface [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) Parameters: name - Name of the property whose value is to be set index - Index of the property to be set value - Value to which this property is to be set Throws: [ConversionException](http://docs.google.com/org/apache/commons/beanutils/ConversionException.html) - if the specified value cannot be converted to the type required for this property [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - if there is no property of the specified name [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - if the specified property exists, but is not indexed [IndexOutOfBoundsException](https://docs.oracle.com/javase/7/docs/api/java/lang/IndexOutOfBoundsException.html?is-external=true) - if the specified index is outside the range of the underlying property

#### set public void set([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) key, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) value) Set the value of a mapped property with the specified name.Specified by: [set](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html#set-java.lang.String-java.lang.String-java.lang.Object-) in interface [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) Parameters: name - Name of the property whose value is to be set key - Key of the property to be set value - Value to which this property is to be set Throws: [ConversionException](http://docs.google.com/org/apache/commons/beanutils/ConversionException.html) - if the specified value cannot be converted to the type required for this property [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - if there is no property of the specified name [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - if the specified property exists, but is not mapped

#### getInstance public [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) getInstance() Gets the bean instance wrapped by this DynaBean. For most common use cases, this object should already be known and this method safely be ignored. But some creators of frameworks using DynaBean's may find this useful.Returns: the java bean Object wrapped by this DynaBean

#### getDynaProperty protected [DynaProperty](http://docs.google.com/org/apache/commons/beanutils/DynaProperty.html) getDynaProperty([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name) Return the property descriptor for the specified property name.Parameters: name - Name of the property for which to retrieve the descriptor Returns: The descriptor for the specified property Throws: [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - if this is not a valid property name for our DynaClass

[Skip navigation links](#3as4poj)

* [Overview](http://docs.google.com/overview-summary.html)
* [Package](http://docs.google.com/package-summary.html)
* Class
* [Use](http://docs.google.com/class-use/WrapDynaBean.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](http://docs.google.com/org/apache/commons/beanutils/SuppressPropertiesBeanIntrospector.html)
* [Next Class](http://docs.google.com/org/apache/commons/beanutils/WrapDynaClass.html)
* [Frames](http://docs.google.com/index.html?org/apache/commons/beanutils/WrapDynaBean.html)
* [No Frames](http://docs.google.com/WrapDynaBean.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)
* Summary:
* Nested |
* [Field](#3znysh7) |
* [Constr](#2et92p0) |
* [Method](#tyjcwt)
* Detail:
* [Field](#1t3h5sf) |
* [Constr](#17dp8vu) |
* [Method](#lnxbz9)

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