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org.apache.commons.beanutils

## Interface DynaBean

* All Known Implementing Classes: [BasicDynaBean](http://docs.google.com/org/apache/commons/beanutils/BasicDynaBean.html), [ConvertingWrapDynaBean](http://docs.google.com/org/apache/commons/beanutils/ConvertingWrapDynaBean.html), [LazyDynaBean](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html), [LazyDynaMap](http://docs.google.com/org/apache/commons/beanutils/LazyDynaMap.html), [ResultSetIterator](http://docs.google.com/org/apache/commons/beanutils/ResultSetIterator.html), [WrapDynaBean](http://docs.google.com/org/apache/commons/beanutils/WrapDynaBean.html)  
    
  public interface DynaBean  
  A **DynaBean** is a Java object that supports properties whose names and data types, as well as values, may be dynamically modified. To the maximum degree feasible, other components of the BeanUtils package will recognize such beans and treat them as standard JavaBeans for the purpose of retrieving and setting property values.Version: $Id$

### Method SummaryAll Methods Instance Methods Abstract Methods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + boolean | * + [contains](http://docs.google.com/org/apache/commons/beanutils/DynaBean.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/DynaBean.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/DynaBean.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/DynaBean.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/DynaBean.html#getDynaClass--)() Return the DynaClass instance that describes the set of properties available for this DynaBean. |
| * + void | * + [remove](http://docs.google.com/org/apache/commons/beanutils/DynaBean.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/DynaBean.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/DynaBean.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/DynaBean.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. |

### Method Detail

#### contains 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?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 [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.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 [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.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 [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.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 [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.Returns: The associated DynaClass

#### remove 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.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 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.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 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.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 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.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

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