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/LazyDynaBean.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/IntrospectionContext.html)
* [Next Class](http://docs.google.com/org/apache/commons/beanutils/LazyDynaClass.html)
* [Frames](http://docs.google.com/index.html?org/apache/commons/beanutils/LazyDynaBean.html)
* [No Frames](http://docs.google.com/LazyDynaBean.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)
* Summary:
* Nested |
* [Field](#3znysh7) |
* [Constr](#2et92p0) |
* [Method](#tyjcwt)
* Detail:
* [Field](#1t3h5sf) |
* [Constr](#3j2qqm3) |
* [Method](#1ci93xb)

org.apache.commons.beanutils

## Class LazyDynaBean

* [java.lang.Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)
  + org.apache.commons.beanutils.LazyDynaBean
* 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: [LazyDynaMap](http://docs.google.com/org/apache/commons/beanutils/LazyDynaMap.html)  
    
  public class LazyDynaBean  
  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)
* DynaBean which automatically adds properties to the DynaClass and provides *Lazy List* and *Lazy Map* features.  
  DynaBeans deal with three types of properties - *simple*, *indexed* and *mapped* and have the following get() and set() methods for each of these types:
  + *Simple* property methods - get(name) and set(name, value)
  + *Indexed* property methods - get(name, index) and set(name, index, value)
  + *Mapped* property methods - get(name, key) and set(name, key, value)

**Getting Property Values**  
Calling any of the get() methods, for a property which doesn't exist, returns null in this implementation.  
**Setting Simple Properties**  
The LazyDynaBean will automatically add a property to the DynaClass if it doesn't exist when the set(name, value) method is called.DynaBean myBean = new LazyDynaBean();  
myBean.set("myProperty", "myValue");  
  
**Setting Indexed Properties**  
If the property **doesn't** exist, the LazyDynaBean will automatically add a property with an ArrayList type to the DynaClass when the set(name, index, value) method is called. It will also instantiate a new ArrayList and automatically *grow* the List so that it is big enough to accomodate the index being set. ArrayList is the default indexed property that LazyDynaBean uses but this can be easily changed by overriding the defaultIndexedProperty(name) method.DynaBean myBean = new LazyDynaBean();  
myBean.set("myIndexedProperty", 0, "myValue1");  
myBean.set("myIndexedProperty", 1, "myValue2");  
  
If the indexed property **does** exist in the DynaClass but is set to null in the LazyDynaBean, then it will instantiate a new List or Array as specified by the property's type in the DynaClass and automatically *grow* the List or Array so that it is big enough to accomodate the index being set.DynaBean myBean = new LazyDynaBean();  
MutableDynaClass myClass = (MutableDynaClass)myBean.getDynaClass();  
myClass.add("myIndexedProperty", int[].class);  
myBean.set("myIndexedProperty", 0, new Integer(10));  
myBean.set("myIndexedProperty", 1, new Integer(20));  
  
**Setting Mapped Properties**  
If the property **doesn't** exist, the LazyDynaBean will automatically add a property with a HashMap type to the DynaClass and instantiate a new HashMap in the DynaBean when the set(name, key, value) method is called. HashMap is the default mapped property that LazyDynaBean uses but this can be easily changed by overriding the defaultMappedProperty(name) method.DynaBean myBean = new LazyDynaBean();  
myBean.set("myMappedProperty", "myKey", "myValue");  
  
If the mapped property **does** exist in the DynaClass but is set to null in the LazyDynaBean, then it will instantiate a new Map as specified by the property's type in the DynaClass.DynaBean myBean = new LazyDynaBean();  
MutableDynaClass myClass = (MutableDynaClass)myBean.getDynaClass();  
myClass.add("myMappedProperty", TreeMap.class);  
myBean.set("myMappedProperty", "myKey", "myValue");  
  
***Restricted* DynaClass**  
MutableDynaClass have a facility to *restrict* the DynaClass so that its properties cannot be modified. If the MutableDynaClass is restricted then calling any of the set() methods for a property which doesn't exist will result in a IllegalArgumentException being thrown.Version: $Id$ See Also: [LazyDynaClass](http://docs.google.com/org/apache/commons/beanutils/LazyDynaClass.html), [Serialized Form](http://docs.google.com/serialized-form.html#org.apache.commons.beanutils.LazyDynaBean)

### Field SummaryFields

|  |  |
| --- | --- |
| * + Modifier and Type | * + Field and Description |
| * + protected static [BigDecimal](https://docs.oracle.com/javase/7/docs/api/java/math/BigDecimal.html?is-external=true) | * + [BigDecimal\_ZERO](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#BigDecimal_ZERO) BigDecimal Zero |
| * + protected static [BigInteger](https://docs.oracle.com/javase/7/docs/api/java/math/BigInteger.html?is-external=true) | * + [BigInteger\_ZERO](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#BigInteger_ZERO) BigInteger Zero |
| * + protected static [Byte](https://docs.oracle.com/javase/7/docs/api/java/lang/Byte.html?is-external=true) | * + [Byte\_ZERO](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#Byte_ZERO) Byte Zero |
| * + protected static [Character](https://docs.oracle.com/javase/7/docs/api/java/lang/Character.html?is-external=true) | * + [Character\_SPACE](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#Character_SPACE) Character Space |
| * + protected static [Double](https://docs.oracle.com/javase/7/docs/api/java/lang/Double.html?is-external=true) | * + [Double\_ZERO](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#Double_ZERO) Double Zero |
| * + protected [MutableDynaClass](http://docs.google.com/org/apache/commons/beanutils/MutableDynaClass.html) | * + [dynaClass](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#dynaClass) The MutableDynaClass "base class" that this DynaBean is associated with. |
| * + protected static [Float](https://docs.oracle.com/javase/7/docs/api/java/lang/Float.html?is-external=true) | * + [Float\_ZERO](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#Float_ZERO) Float Zero |
| * + protected static [Integer](https://docs.oracle.com/javase/7/docs/api/java/lang/Integer.html?is-external=true) | * + [Integer\_ZERO](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#Integer_ZERO) Integer Zero |
| * + protected static [Long](https://docs.oracle.com/javase/7/docs/api/java/lang/Long.html?is-external=true) | * + [Long\_ZERO](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#Long_ZERO) Long Zero |
| * + protected static [Short](https://docs.oracle.com/javase/7/docs/api/java/lang/Short.html?is-external=true) | * + [Short\_ZERO](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#Short_ZERO) Short Zero |
| * + protected [Map](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<[String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.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/LazyDynaBean.html#values) The MutableDynaClass "base class" that this DynaBean is associated with. |

### Constructor SummaryConstructors

|  |
| --- |
| * + Constructor and Description |
| * + [LazyDynaBean](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#LazyDynaBean--)() Construct a new LazyDynaBean with a LazyDynaClass instance. |
| * + [LazyDynaBean](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#LazyDynaBean-org.apache.commons.beanutils.DynaClass-)([DynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html) dynaClass) Construct a new DynaBean associated with the specified DynaClass instance - if its not a MutableDynaClass then a new LazyDynaClass is created and the properties copied. |
| * + [LazyDynaBean](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#LazyDynaBean-java.lang.String-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name) Construct a new LazyDynaBean with a LazyDynaClass instance. |

### Method SummaryAll Methods Instance Methods Concrete Methods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + boolean | * + [contains](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.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? |
| * + protected [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) | * + [createDynaBeanProperty](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#createDynaBeanProperty-java.lang.String-java.lang.Class-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, [Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<?> type) Create a new Instance of a 'DynaBean' Property. |
| * + protected [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) | * + [createIndexedProperty](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#createIndexedProperty-java.lang.String-java.lang.Class-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, [Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<?> type) Create a new Instance of an 'Indexed' Property |
| * + protected [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) | * + [createMappedProperty](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#createMappedProperty-java.lang.String-java.lang.Class-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, [Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<?> type) Create a new Instance of a 'Mapped' Property |
| * + protected [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) | * + [createNumberProperty](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#createNumberProperty-java.lang.String-java.lang.Class-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, [Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<?> type) Create a new Instance of a java.lang.Number Property. |
| * + protected [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) | * + [createOtherProperty](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#createOtherProperty-java.lang.String-java.lang.Class-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, [Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<?> type) Create a new Instance of other Property types |
| * + protected [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) | * + [createPrimitiveProperty](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#createPrimitiveProperty-java.lang.String-java.lang.Class-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, [Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<?> type) Create a new Instance of a 'Primitive' Property. |
| * + protected [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) | * + [createProperty](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#createProperty-java.lang.String-java.lang.Class-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, [Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<?> type) Create a new Instance of a Property |
| * + protected [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) | * + [defaultIndexedProperty](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#defaultIndexedProperty-java.lang.String-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name) Creates a new ArrayList for an 'indexed' property which doesn't exist. |
| * + protected [Map](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<[String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true),[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> | * + [defaultMappedProperty](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#defaultMappedProperty-java.lang.String-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name) Creates a new HashMap for a 'mapped' property which doesn't exist. |
| * + [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/LazyDynaBean.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/LazyDynaBean.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/LazyDynaBean.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. |
| * + [DynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html) | * + [getDynaClass](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#getDynaClass--)() Return the DynaClass instance that describes the set of properties available for this DynaBean. |
| * + [Map](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<[String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true),[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> | * + [getMap](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#getMap--)() Return a Map representation of this DynaBean. |
| * + protected [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) | * + [growIndexedProperty](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#growIndexedProperty-java.lang.String-java.lang.Object-int-)([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) indexedProperty, int index) Grow the size of an indexed property |
| * + protected boolean | * + [isAssignable](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#isAssignable-java.lang.Class-java.lang.Class-)([Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<?> dest, [Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<?> source) Is an object of the source class assignable to the destination class? |
| * + protected boolean | * + [isDynaProperty](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#isDynaProperty-java.lang.String-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name) Indicates if there is a property with the specified name. |
| * + protected [Map](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<[String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true),[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> | * + [newMap](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#newMap--)() Creates a new instance of the Map. |
| * + void | * + [remove](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.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/LazyDynaBean.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/LazyDynaBean.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/LazyDynaBean.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. |
| * + int | * + [size](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#size-java.lang.String-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name) Return the size of an indexed or mapped property. |

### 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

#### BigInteger\_ZERO protected static final [BigInteger](https://docs.oracle.com/javase/7/docs/api/java/math/BigInteger.html?is-external=true) BigInteger\_ZERO BigInteger Zero

#### BigDecimal\_ZERO protected static final [BigDecimal](https://docs.oracle.com/javase/7/docs/api/java/math/BigDecimal.html?is-external=true) BigDecimal\_ZERO BigDecimal Zero

#### Character\_SPACE protected static final [Character](https://docs.oracle.com/javase/7/docs/api/java/lang/Character.html?is-external=true) Character\_SPACE Character Space

#### Byte\_ZERO protected static final [Byte](https://docs.oracle.com/javase/7/docs/api/java/lang/Byte.html?is-external=true) Byte\_ZERO Byte Zero

#### Short\_ZERO protected static final [Short](https://docs.oracle.com/javase/7/docs/api/java/lang/Short.html?is-external=true) Short\_ZERO Short Zero

#### Integer\_ZERO protected static final [Integer](https://docs.oracle.com/javase/7/docs/api/java/lang/Integer.html?is-external=true) Integer\_ZERO Integer Zero

#### Long\_ZERO protected static final [Long](https://docs.oracle.com/javase/7/docs/api/java/lang/Long.html?is-external=true) Long\_ZERO Long Zero

#### Float\_ZERO protected static final [Float](https://docs.oracle.com/javase/7/docs/api/java/lang/Float.html?is-external=true) Float\_ZERO Float Zero

#### Double\_ZERO protected static final [Double](https://docs.oracle.com/javase/7/docs/api/java/lang/Double.html?is-external=true) Double\_ZERO Double Zero

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

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

### Constructor Detail

#### LazyDynaBean public LazyDynaBean() Construct a new LazyDynaBean with a LazyDynaClass instance.

#### LazyDynaBean public LazyDynaBean([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name) Construct a new LazyDynaBean with a LazyDynaClass instance.Parameters: name - Name of this DynaBean class

#### LazyDynaBean public LazyDynaBean([DynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html) dynaClass) Construct a new DynaBean associated with the specified DynaClass instance - if its not a MutableDynaClass then a new LazyDynaClass is created and the properties copied.Parameters: dynaClass - The DynaClass we are associated with

### Method Detail

#### getMap public [Map](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<[String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true),[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> getMap()

* + - Return a Map representation of this DynaBean.  
      This, for example, could be used in JSTL in the following way to access a DynaBean's fooProperty:
      * ${myDynaBean.**map**.fooProperty}

Returns: a Map representation of this DynaBean

#### size public int size([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name) Return the size of an indexed or mapped property.Parameters: name - Name of the property Returns: The indexed or mapped property size Throws: [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - if no property name is specified

#### 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 no property name is specified

#### 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. **N.B.** Returns null if there is no property of 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 no property name is specified

#### 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. **N.B.** Returns null if there is no 'indexed' property of 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 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

#### 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. **N.B.** Returns null if there is no 'mapped' property of the specified name.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 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: [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - if this is not an existing property name for our DynaClass and the MutableDynaClass is restricted [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 [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

#### growIndexedProperty protected [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) growIndexedProperty([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) indexedProperty, int index) Grow the size of an indexed propertyParameters: name - The name of the property indexedProperty - The current property value index - The indexed value to grow the property to (i.e. one less than the required size) Returns: The new property value (grown to the appropriate size)

#### createProperty protected [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) createProperty([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, [Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<?> type) Create a new Instance of a PropertyParameters: name - The name of the property type - The class of the property Returns: The new value

#### createIndexedProperty protected [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) createIndexedProperty([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, [Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<?> type) Create a new Instance of an 'Indexed' PropertyParameters: name - The name of the property type - The class of the property Returns: The new value

#### createMappedProperty protected [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) createMappedProperty([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, [Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<?> type) Create a new Instance of a 'Mapped' PropertyParameters: name - The name of the property type - The class of the property Returns: The new value

#### createDynaBeanProperty protected [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) createDynaBeanProperty([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, [Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<?> type) Create a new Instance of a 'DynaBean' Property.Parameters: name - The name of the property type - The class of the property Returns: The new value

#### createPrimitiveProperty protected [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) createPrimitiveProperty([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, [Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<?> type) Create a new Instance of a 'Primitive' Property.Parameters: name - The name of the property type - The class of the property Returns: The new value

#### createNumberProperty protected [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) createNumberProperty([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, [Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<?> type) Create a new Instance of a java.lang.Number Property.Parameters: name - The name of the property type - The class of the property Returns: The new value

#### createOtherProperty protected [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) createOtherProperty([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, [Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<?> type) Create a new Instance of other Property typesParameters: name - The name of the property type - The class of the property Returns: The new value

#### defaultIndexedProperty protected [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) defaultIndexedProperty([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name) Creates a new ArrayList for an 'indexed' property which doesn't exist. This method should be overridden if an alternative List or Array implementation is required for 'indexed' properties.Parameters: name - Name of the 'indexed property. Returns: The default value for an indexed property (java.util.ArrayList)

#### defaultMappedProperty protected [Map](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<[String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true),[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> defaultMappedProperty([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name) Creates a new HashMap for a 'mapped' property which doesn't exist. This method can be overridden if an alternative Map implementation is required for 'mapped' properties.Parameters: name - Name of the 'mapped property. Returns: The default value for a mapped property (java.util.HashMap)

#### isDynaProperty protected boolean isDynaProperty([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name) Indicates if there is a property with the specified name.Parameters: name - The name of the property to check Returns: true if there is a property of the specified name, otherwise false

#### isAssignable protected boolean isAssignable([Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<?> dest, [Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<?> source) Is an object of the source class assignable to the destination class?Parameters: dest - Destination class source - Source class Returns: true if the source class is assignable to the destination class, otherwise false

#### newMap protected [Map](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<[String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true),[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> newMap() Creates a new instance of the Map.Returns: a new Map instance

[Skip navigation links](#46r0co2)

* [Overview](http://docs.google.com/overview-summary.html)
* [Package](http://docs.google.com/package-summary.html)
* Class
* [Use](http://docs.google.com/class-use/LazyDynaBean.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/IntrospectionContext.html)
* [Next Class](http://docs.google.com/org/apache/commons/beanutils/LazyDynaClass.html)
* [Frames](http://docs.google.com/index.html?org/apache/commons/beanutils/LazyDynaBean.html)
* [No Frames](http://docs.google.com/LazyDynaBean.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)
* Summary:
* Nested |
* [Field](#3znysh7) |
* [Constr](#2et92p0) |
* [Method](#tyjcwt)
* Detail:
* [Field](#1t3h5sf) |
* [Constr](#3j2qqm3) |
* [Method](#1ci93xb)

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