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/LazyDynaMap.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/LazyDynaList.html)
* [Next Class](http://docs.google.com/org/apache/commons/beanutils/MappedPropertyDescriptor.html)
* [Frames](http://docs.google.com/index.html?org/apache/commons/beanutils/LazyDynaMap.html)
* [No Frames](http://docs.google.com/LazyDynaMap.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)
* Summary:
* Nested |
* [Field](#3znysh7) |
* [Constr](#tyjcwt) |
* [Method](#3dy6vkm)
* Detail:
* [Field](#2s8eyo1) |
* [Constr](#lnxbz9) |
* [Method](#4i7ojhp)

org.apache.commons.beanutils

## Class LazyDynaMap

* [java.lang.Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)
  + [org.apache.commons.beanutils.LazyDynaBean](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html)
    - org.apache.commons.beanutils.LazyDynaMap
* 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), [DynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html), [MutableDynaClass](http://docs.google.com/org/apache/commons/beanutils/MutableDynaClass.html)  
    
  public class LazyDynaMap  
  extends [LazyDynaBean](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html)  
  implements [MutableDynaClass](http://docs.google.com/org/apache/commons/beanutils/MutableDynaClass.html)
* Provides a *light weight* DynaBean facade to a Map with *lazy* map/list processing.  
  Its a *light weight* DynaBean implementation because there is no actual DynaClass associated with this DynaBean - in fact it implements the DynaClass interface itself providing *pseudo* DynaClass behaviour from the actual values stored in the Map.  
  As well providing rhe standard DynaBean access to the Map's properties this class also provides the usual *Lazy* behaviour:
  + Properties don't need to be pre-defined in a DynaClass
  + Indexed properties (Lists or Arrays) are automatically instantiated and *grown* so that they are large enough to cater for the index being set.
  + Mapped properties are automatically instantiated.

***Restricted* DynaClass**  
This class implements the MutableDynaClass interface. 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: [Serialized Form](http://docs.google.com/serialized-form.html#org.apache.commons.beanutils.LazyDynaMap)

### Field SummaryFields

|  |  |
| --- | --- |
| * + Modifier and Type | * + Field and Description |
| * + protected [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) | * + [name](http://docs.google.com/org/apache/commons/beanutils/LazyDynaMap.html#name) The name of this DynaClass (analogous to the getName() method of java.lang.Class). |
| * + protected boolean | * + [restricted](http://docs.google.com/org/apache/commons/beanutils/LazyDynaMap.html#restricted) Controls whether changes to this DynaClass's properties are allowed. |
| * + protected boolean | * + [returnNull](http://docs.google.com/org/apache/commons/beanutils/LazyDynaMap.html#returnNull) Controls whether the getDynaProperty() method returns null if a property doesn't exist - or creates a new one. |

### Fields inherited from class org.apache.commons.beanutils.[**LazyDynaBean**](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html)[BigDecimal\_ZERO](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#BigDecimal_ZERO), [BigInteger\_ZERO](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#BigInteger_ZERO), [Byte\_ZERO](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#Byte_ZERO), [Character\_SPACE](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#Character_SPACE), [Double\_ZERO](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#Double_ZERO), [dynaClass](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#dynaClass), [Float\_ZERO](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#Float_ZERO), [Integer\_ZERO](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#Integer_ZERO), [Long\_ZERO](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#Long_ZERO), [Short\_ZERO](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#Short_ZERO), [values](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#values)

### Constructor SummaryConstructors

|  |
| --- |
| * + Constructor and Description |
| * + [LazyDynaMap](http://docs.google.com/org/apache/commons/beanutils/LazyDynaMap.html#LazyDynaMap--)() Default Constructor. |
| * + [LazyDynaMap](http://docs.google.com/org/apache/commons/beanutils/LazyDynaMap.html#LazyDynaMap-org.apache.commons.beanutils.DynaClass-)([DynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html) dynaClass) Construct a new LazyDynaMap based on an exisiting DynaClass |
| * + [LazyDynaMap](http://docs.google.com/org/apache/commons/beanutils/LazyDynaMap.html#LazyDynaMap-org.apache.commons.beanutils.DynaProperty:A-)([DynaProperty](http://docs.google.com/org/apache/commons/beanutils/DynaProperty.html)[] properties) Construct a new LazyDynaMap with the specified properties. |
| * + [LazyDynaMap](http://docs.google.com/org/apache/commons/beanutils/LazyDynaMap.html#LazyDynaMap-java.util.Map-)([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) Construct a new LazyDynaMap with the specified Map. |
| * + [LazyDynaMap](http://docs.google.com/org/apache/commons/beanutils/LazyDynaMap.html#LazyDynaMap-java.lang.String-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name) Construct a new LazyDynaMap with the specified name. |
| * + [LazyDynaMap](http://docs.google.com/org/apache/commons/beanutils/LazyDynaMap.html#LazyDynaMap-java.lang.String-org.apache.commons.beanutils.DynaProperty:A-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, [DynaProperty](http://docs.google.com/org/apache/commons/beanutils/DynaProperty.html)[] properties) Construct a new LazyDynaMap with the specified name and properties. |
| * + [LazyDynaMap](http://docs.google.com/org/apache/commons/beanutils/LazyDynaMap.html#LazyDynaMap-java.lang.String-java.util.Map-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, [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) Construct a new LazyDynaMap with the specified name and Map. |

### Method SummaryAll Methods Instance Methods Concrete Methods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + protected void | * + [add](http://docs.google.com/org/apache/commons/beanutils/LazyDynaMap.html#add-org.apache.commons.beanutils.DynaProperty-)([DynaProperty](http://docs.google.com/org/apache/commons/beanutils/DynaProperty.html) property) Add a new dynamic property. |
| * + void | * + [add](http://docs.google.com/org/apache/commons/beanutils/LazyDynaMap.html#add-java.lang.String-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name) Add a new dynamic property with no restrictions on data type, readability, or writeability. |
| * + void | * + [add](http://docs.google.com/org/apache/commons/beanutils/LazyDynaMap.html#add-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) Add a new dynamic property with the specified data type, but with no restrictions on readability or writeability. |
| * + void | * + [add](http://docs.google.com/org/apache/commons/beanutils/LazyDynaMap.html#add-java.lang.String-java.lang.Class-boolean-boolean-)([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, boolean readable, boolean writeable) Add a new dynamic property with the specified data type, readability, and writeability. |
| * + [DynaProperty](http://docs.google.com/org/apache/commons/beanutils/DynaProperty.html)[] | * + [getDynaProperties](http://docs.google.com/org/apache/commons/beanutils/LazyDynaMap.html#getDynaProperties--)() Return an array of ProperyDescriptors for the properties currently defined in this DynaClass. |
| * + [DynaProperty](http://docs.google.com/org/apache/commons/beanutils/DynaProperty.html) | * + [getDynaProperty](http://docs.google.com/org/apache/commons/beanutils/LazyDynaMap.html#getDynaProperty-java.lang.String-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name) Return a property descriptor for the specified property. |
| * + [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/LazyDynaMap.html#getMap--)() Return the underlying Map backing this DynaBean |
| * + [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) | * + [getName](http://docs.google.com/org/apache/commons/beanutils/LazyDynaMap.html#getName--)() Return the name of this DynaClass (analogous to the getName() method of java.lang.Class) |
| * + protected boolean | * + [isDynaProperty](http://docs.google.com/org/apache/commons/beanutils/LazyDynaMap.html#isDynaProperty-java.lang.String-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name) Indicate whether a property actually exists. |
| * + boolean | * + [isRestricted](http://docs.google.com/org/apache/commons/beanutils/LazyDynaMap.html#isRestricted--)() Is this DynaClass currently restricted. |
| * + boolean | * + [isReturnNull](http://docs.google.com/org/apache/commons/beanutils/LazyDynaMap.html#isReturnNull--)() Should this DynaClass return a null from the getDynaProperty(name) method if the property doesn't exist. |
| * + [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) | * + [newInstance](http://docs.google.com/org/apache/commons/beanutils/LazyDynaMap.html#newInstance--)() Instantiate and return a new DynaBean instance, associated with this DynaClass. |
| * + void | * + [remove](http://docs.google.com/org/apache/commons/beanutils/LazyDynaMap.html#remove-java.lang.String-)([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name) Remove the specified dynamic property, and any associated data type, readability, and writeability, from this dynamic class. |
| * + void | * + [set](http://docs.google.com/org/apache/commons/beanutils/LazyDynaMap.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 | * + [setMap](http://docs.google.com/org/apache/commons/beanutils/LazyDynaMap.html#setMap-java.util.Map-)([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) Set the Map backing this DynaBean |
| * + void | * + [setRestricted](http://docs.google.com/org/apache/commons/beanutils/LazyDynaMap.html#setRestricted-boolean-)(boolean restricted) Set whether this DynaClass is currently restricted. |
| * + void | * + [setReturnNull](http://docs.google.com/org/apache/commons/beanutils/LazyDynaMap.html#setReturnNull-boolean-)(boolean returnNull) Set whether this DynaClass should return a null from the getDynaProperty(name) method if the property doesn't exist. |

### Methods inherited from class org.apache.commons.beanutils.[**LazyDynaBean**](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html)[contains](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#contains-java.lang.String-java.lang.String-), [createDynaBeanProperty](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#createDynaBeanProperty-java.lang.String-java.lang.Class-), [createIndexedProperty](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#createIndexedProperty-java.lang.String-java.lang.Class-), [createMappedProperty](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#createMappedProperty-java.lang.String-java.lang.Class-), [createNumberProperty](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#createNumberProperty-java.lang.String-java.lang.Class-), [createOtherProperty](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#createOtherProperty-java.lang.String-java.lang.Class-), [createPrimitiveProperty](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#createPrimitiveProperty-java.lang.String-java.lang.Class-), [createProperty](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#createProperty-java.lang.String-java.lang.Class-), [defaultIndexedProperty](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#defaultIndexedProperty-java.lang.String-), [defaultMappedProperty](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#defaultMappedProperty-java.lang.String-), [get](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#get-java.lang.String-), [get](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#get-java.lang.String-int-), [get](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#get-java.lang.String-java.lang.String-), [getDynaClass](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#getDynaClass--), [growIndexedProperty](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#growIndexedProperty-java.lang.String-java.lang.Object-int-), [isAssignable](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#isAssignable-java.lang.Class-java.lang.Class-), [newMap](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#newMap--), [remove](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#remove-java.lang.String-java.lang.String-), [set](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#set-java.lang.String-int-java.lang.Object-), [set](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#set-java.lang.String-java.lang.String-java.lang.Object-), [size](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#size-java.lang.String-)

### 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

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

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

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

### Constructor Detail

#### LazyDynaMap public LazyDynaMap() Default Constructor.

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

#### LazyDynaMap public LazyDynaMap([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) Construct a new LazyDynaMap with the specified Map.Parameters: values - The Map backing this LazyDynaMap

#### LazyDynaMap public LazyDynaMap([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, [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) Construct a new LazyDynaMap with the specified name and Map.Parameters: name - Name of this DynaBean class values - The Map backing this LazyDynaMap

#### LazyDynaMap public LazyDynaMap([DynaProperty](http://docs.google.com/org/apache/commons/beanutils/DynaProperty.html)[] properties) Construct a new LazyDynaMap with the specified properties.Parameters: properties - Property descriptors for the supported properties

#### LazyDynaMap public LazyDynaMap([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name, [DynaProperty](http://docs.google.com/org/apache/commons/beanutils/DynaProperty.html)[] properties) Construct a new LazyDynaMap with the specified name and properties.Parameters: name - Name of this DynaBean class properties - Property descriptors for the supported properties

#### LazyDynaMap public LazyDynaMap([DynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html) dynaClass) Construct a new LazyDynaMap based on an exisiting DynaClassParameters: dynaClass - DynaClass to copy the name and properties from

### Method Detail

#### setMap public void setMap([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) Set the Map backing this DynaBeanParameters: values - The new Map of values

#### 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 the underlying Map backing this DynaBeanOverrides: [getMap](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#getMap--) in class [LazyDynaBean](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html) Returns: the underlying Map Since: 1.8.0

#### 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) Overrides: [set](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#set-java.lang.String-java.lang.Object-) in class [LazyDynaBean](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html) Parameters: name - Name of the property whose value is to be set value - Value to which this property is to be set

#### getName public [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) getName() Return the name of this DynaClass (analogous to the getName() method of java.lang.Class)Specified by: [getName](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html#getName--) in interface [DynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html) Returns: the name of the DynaClass

#### getDynaProperty public [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 a property descriptor for the specified property. If the property is not found and the returnNull indicator is true, this method always returns null. If the property is not found and the returnNull indicator is false a new property descriptor is created and returned (although its not actually added to the DynaClass's properties). This is the default beahviour. The reason for not returning a null property descriptor is that BeanUtils uses this method to check if a property exists before trying to set it - since these *Map* implementations automatically add any new properties when they are set, returning null from this method would defeat their purpose.Specified by: [getDynaProperty](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html#getDynaProperty-java.lang.String-) in interface [DynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html) Parameters: name - Name of the dynamic property for which a descriptor is requested 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 no property name is specified

#### getDynaProperties public [DynaProperty](http://docs.google.com/org/apache/commons/beanutils/DynaProperty.html)[] getDynaProperties() Return an array of ProperyDescriptors for the properties currently defined in this DynaClass. If no properties are defined, a zero-length array will be returned. **FIXME** - Should we really be implementing getBeanInfo() instead, which returns property descriptors and a bunch of other stuff?Specified by: [getDynaProperties](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html#getDynaProperties--) in interface [DynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html) Returns: the set of properties for this DynaClass

#### newInstance public [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html) newInstance() Instantiate and return a new DynaBean instance, associated with this DynaClass.Specified by: [newInstance](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html#newInstance--) in interface [DynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html) Returns: A new DynaBean instance

#### isRestricted public boolean isRestricted() Is this DynaClass currently restricted. If restricted, no changes to the existing registration of property names, data types, readability, or writeability are allowed.Specified by: [isRestricted](http://docs.google.com/org/apache/commons/beanutils/MutableDynaClass.html#isRestricted--) in interface [MutableDynaClass](http://docs.google.com/org/apache/commons/beanutils/MutableDynaClass.html) Returns: true if this Mutable [DynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html) is restricted, otherwise false

#### setRestricted public void setRestricted(boolean restricted) Set whether this DynaClass is currently restricted. If restricted, no changes to the existing registration of property names, data types, readability, or writeability are allowed.Specified by: [setRestricted](http://docs.google.com/org/apache/commons/beanutils/MutableDynaClass.html#setRestricted-boolean-) in interface [MutableDynaClass](http://docs.google.com/org/apache/commons/beanutils/MutableDynaClass.html) Parameters: restricted - The new restricted state

#### add public void add([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name) Add a new dynamic property with no restrictions on data type, readability, or writeability.Specified by: [add](http://docs.google.com/org/apache/commons/beanutils/MutableDynaClass.html#add-java.lang.String-) in interface [MutableDynaClass](http://docs.google.com/org/apache/commons/beanutils/MutableDynaClass.html) Parameters: name - Name of the new dynamic property Throws: [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - if name is null

#### add public void add([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) Add a new dynamic property with the specified data type, but with no restrictions on readability or writeability.Specified by: [add](http://docs.google.com/org/apache/commons/beanutils/MutableDynaClass.html#add-java.lang.String-java.lang.Class-) in interface [MutableDynaClass](http://docs.google.com/org/apache/commons/beanutils/MutableDynaClass.html) Parameters: name - Name of the new dynamic property type - Data type of the new dynamic property (null for no restrictions) Throws: [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - if name is null [IllegalStateException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalStateException.html?is-external=true) - if this DynaClass is currently restricted, so no new properties can be added

#### add public void add([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, boolean readable, boolean writeable) Add a new dynamic property with the specified data type, readability, and writeability. **N.B.**Support for readable/writeable properties has not been implemented and this method always throws a UnsupportedOperationException. I'm not sure the intention of the original authors for this method, but it seems to me that readable/writable should be attributes of the DynaProperty class (which they are not) and is the reason this method has not been implemented.Specified by: [add](http://docs.google.com/org/apache/commons/beanutils/MutableDynaClass.html#add-java.lang.String-java.lang.Class-boolean-boolean-) in interface [MutableDynaClass](http://docs.google.com/org/apache/commons/beanutils/MutableDynaClass.html) Parameters: name - Name of the new dynamic property type - Data type of the new dynamic property (null for no restrictions) readable - Set to true if this property value should be readable writeable - Set to true if this property value should be writeable Throws: [UnsupportedOperationException](https://docs.oracle.com/javase/7/docs/api/java/lang/UnsupportedOperationException.html?is-external=true) - anytime this method is called

#### add protected void add([DynaProperty](http://docs.google.com/org/apache/commons/beanutils/DynaProperty.html) property) Add a new dynamic property.Parameters: property - Property the new dynamic property to add. Throws: [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - if name is null

#### remove public void remove([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name) Remove the specified dynamic property, and any associated data type, readability, and writeability, from this dynamic class. **NOTE** - This does **NOT** cause any corresponding property values to be removed from DynaBean instances associated with this DynaClass.Specified by: [remove](http://docs.google.com/org/apache/commons/beanutils/MutableDynaClass.html#remove-java.lang.String-) in interface [MutableDynaClass](http://docs.google.com/org/apache/commons/beanutils/MutableDynaClass.html) Parameters: name - Name of the dynamic property to remove Throws: [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - if name is null [IllegalStateException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalStateException.html?is-external=true) - if this DynaClass is currently restricted, so no properties can be removed

#### isReturnNull public boolean isReturnNull() Should this DynaClass return a null from the getDynaProperty(name) method if the property doesn't exist.Returns: true if a null [DynaProperty](http://docs.google.com/org/apache/commons/beanutils/DynaProperty.html) should be returned if the property doesn't exist, otherwise false if a new [DynaProperty](http://docs.google.com/org/apache/commons/beanutils/DynaProperty.html) should be created.

#### setReturnNull public void setReturnNull(boolean returnNull) Set whether this DynaClass should return a null from the getDynaProperty(name) method if the property doesn't exist.Parameters: returnNull - true if a null [DynaProperty](http://docs.google.com/org/apache/commons/beanutils/DynaProperty.html) should be returned if the property doesn't exist, otherwise false if a new [DynaProperty](http://docs.google.com/org/apache/commons/beanutils/DynaProperty.html) should be created.

#### isDynaProperty protected boolean isDynaProperty([String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) name) Indicate whether a property actually exists. **N.B.** Using getDynaProperty(name) == null doesn't work in this implementation because that method might return a DynaProperty if it doesn't exist (depending on the returnNull indicator).Overrides: [isDynaProperty](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html#isDynaProperty-java.lang.String-) in class [LazyDynaBean](http://docs.google.com/org/apache/commons/beanutils/LazyDynaBean.html) Parameters: name - Name of the dynamic property Returns: true if the property exists, 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

[Skip navigation links](#1v1yuxt)

* [Overview](http://docs.google.com/overview-summary.html)
* [Package](http://docs.google.com/package-summary.html)
* Class
* [Use](http://docs.google.com/class-use/LazyDynaMap.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/LazyDynaList.html)
* [Next Class](http://docs.google.com/org/apache/commons/beanutils/MappedPropertyDescriptor.html)
* [Frames](http://docs.google.com/index.html?org/apache/commons/beanutils/LazyDynaMap.html)
* [No Frames](http://docs.google.com/LazyDynaMap.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)
* Summary:
* Nested |
* [Field](#3znysh7) |
* [Constr](#tyjcwt) |
* [Method](#3dy6vkm)
* Detail:
* [Field](#2s8eyo1) |
* [Constr](#lnxbz9) |
* [Method](#4i7ojhp)

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