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org.apache.commons.beanutils

## Interface MutableDynaClass

* All Superinterfaces: [DynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html) All Known Implementing Classes: [LazyDynaClass](http://docs.google.com/org/apache/commons/beanutils/LazyDynaClass.html), [LazyDynaMap](http://docs.google.com/org/apache/commons/beanutils/LazyDynaMap.html)  
    
  public interface MutableDynaClass  
  extends [DynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html)  
  A specialized extension to DynaClass that allows properties to be added or removed dynamically.  
  **WARNING** - No guarantees that this will be in the final APIs ... it's here primarily to preserve some concepts that were in the original proposal for further discussion.Version: $Id$

### Method SummaryAll Methods Instance Methods Abstract Methods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + void | * + [add](http://docs.google.com/org/apache/commons/beanutils/MutableDynaClass.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/MutableDynaClass.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/MutableDynaClass.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. |
| * + boolean | * + [isRestricted](http://docs.google.com/org/apache/commons/beanutils/MutableDynaClass.html#isRestricted--)() Is this DynaClass currently restricted, if so, no changes to the existing registration of property names, data types, readability, or writeability are allowed. |
| * + void | * + [remove](http://docs.google.com/org/apache/commons/beanutils/MutableDynaClass.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 | * + [setRestricted](http://docs.google.com/org/apache/commons/beanutils/MutableDynaClass.html#setRestricted-boolean-)(boolean restricted) Set the restricted state of this DynaClass to the specified value. |

### Methods inherited from interface org.apache.commons.beanutils.[**DynaClass**](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html)[getDynaProperties](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html#getDynaProperties--), [getDynaProperty](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html#getDynaProperty-java.lang.String-), [getName](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html#getName--), [newInstance](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html#newInstance--)

### Method Detail

#### add 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.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 [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 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.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 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.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: [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

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

#### remove 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.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

#### setRestricted void setRestricted(boolean restricted) Set the restricted state of this DynaClass to the specified value.Parameters: restricted - The new restricted state

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