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org.apache.commons.beanutils

## Class LazyDynaList

* [java.lang.Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)
  + [java.util.AbstractCollection](https://docs.oracle.com/javase/7/docs/api/java/util/AbstractCollection.html?is-external=true)<E>
    - [java.util.AbstractList](https://docs.oracle.com/javase/7/docs/api/java/util/AbstractList.html?is-external=true)<E>
      * [java.util.ArrayList](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true)<[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)>
        + org.apache.commons.beanutils.LazyDynaList
* All Implemented Interfaces: [Serializable](https://docs.oracle.com/javase/7/docs/api/java/io/Serializable.html?is-external=true), [Cloneable](https://docs.oracle.com/javase/7/docs/api/java/lang/Cloneable.html?is-external=true), [Iterable](https://docs.oracle.com/javase/7/docs/api/java/lang/Iterable.html?is-external=true)<[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)>, [Collection](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true)<[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)>, [List](https://docs.oracle.com/javase/7/docs/api/java/util/List.html?is-external=true)<[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)>, [RandomAccess](https://docs.oracle.com/javase/7/docs/api/java/util/RandomAccess.html?is-external=true)  
    
  public class LazyDynaList  
  extends [ArrayList](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true)<[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)>

## ***Lazy*** DynaBean List. There are two main purposes for this class:

* + To provide *Lazy List* behaviour - automatically *growing* and *populating* the List with either DynaBean, java.util.Map or POJO Beans.
  + To provide a straight forward way of putting a Collection or Array into the lazy list *and* a straight forward way to get it out again at the end.
* All elements added to the List are stored as DynaBean's:
  + java.util.Map elements are "wrapped" in a LazyDynaMap.
  + POJO Bean elements are "wrapped" in a WrapDynaBean.
  + DynaBean's are stored un-changed.

### toArray() The toArray() method returns an array of the elements of the appropriate type. If the LazyDynaList is populated with java.util.Map objects a Map[] array is returned. If the list is populated with POJO Beans an appropriate array of the POJO Beans is returned. Otherwise a DynaBean[] array is returned. toDynaBeanArray() The toDynaBeanArray() method returns a DynaBean[] array of the elements in the List. **N.B.**All the elements in the List must be the same type. If the DynaClass or Class of the LazyDynaList's elements is not specified, then it will be automatically set to the type of the first element populated. Example 1 If you have an array of java.util.Map[] - you can put that into a LazyDynaList. TreeMap[] myArray = .... // your Map[] List lazyList = new LazyDynaList(myArray); New elements of the appropriate Map type are automatically populated: // get(index) automatically grows the list DynaBean newElement = (DynaBean)lazyList.get(lazyList.size()); newElement.put("someProperty", "someValue"); Once you've finished you can get back an Array of the elements of the appropriate type: // Retrieve the array from the list TreeMap[] myArray = (TreeMap[])lazyList.toArray()); Example 2 Alternatively you can create an *empty* List and specify the Class for List's elements. The LazyDynaList uses the Class to automatically populate elements: // e.g. For Maps List lazyList = new LazyDynaList(TreeMap.class); // e.g. For POJO Beans List lazyList = new LazyDynaList(MyPojo.class); // e.g. For DynaBeans List lazyList = new LazyDynaList(MyDynaBean.class); Example 3 Alternatively you can create an *empty* List and specify the DynaClass for List's elements. The LazyDynaList uses the DynaClass to automatically populate elements: // e.g. For Maps DynaClass dynaClass = new LazyDynaMap(new HashMap()); List lazyList = new LazyDynaList(dynaClass); // e.g. For POJO Beans DynaClass dynaClass = (new WrapDynaBean(myPojo)).getDynaClass(); List lazyList = new LazyDynaList(dynaClass); // e.g. For DynaBeans DynaClass dynaClass = new BasicDynaClass(properties); List lazyList = new LazyDynaList(dynaClass); **N.B.** You may wonder why control the type using a DynaClass rather than the Class as in the previous example - the reason is that some DynaBean implementations don't have a *default* empty constructor and therefore need to be instantiated using the DynaClass.newInstance() method. Example 4 A slight variation - set the element type using either the setElementType(Class) method or the setElementDynaClass(DynaClass) method - then populate with the normal java.util.List methods(i.e. add(), addAll() or set()). // Create a new LazyDynaList (100 element capacity) LazyDynaList lazyList = new LazyDynaList(100); // Either Set the element type... lazyList.setElementType(TreeMap.class); // ...or the element DynaClass... lazyList.setElementDynaClass(new MyCustomDynaClass()); // Populate from a collection lazyList.addAll(myCollection); Since: 1.8.0 Version: $Id$ See Also: [Serialized Form](http://docs.google.com/serialized-form.html#org.apache.commons.beanutils.LazyDynaList)

### Field Summary

### Fields inherited from class java.util.[**AbstractList**](https://docs.oracle.com/javase/7/docs/api/java/util/AbstractList.html?is-external=true)[modCount](https://docs.oracle.com/javase/7/docs/api/java/util/AbstractList.html?is-external=true#modCount)

### Constructor SummaryConstructors

|  |
| --- |
| * + Constructor and Description |
| * + [LazyDynaList](http://docs.google.com/org/apache/commons/beanutils/LazyDynaList.html#LazyDynaList--)() Default Constructor. |
| * + [LazyDynaList](http://docs.google.com/org/apache/commons/beanutils/LazyDynaList.html#LazyDynaList-java.lang.Class-)([Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<?> elementType) Construct a LazyDynaList with a specified type for its elements. |
| * + [LazyDynaList](http://docs.google.com/org/apache/commons/beanutils/LazyDynaList.html#LazyDynaList-java.util.Collection-)([Collection](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true)<?> collection) Construct a LazyDynaList populated with the elements of a Collection. |
| * + [LazyDynaList](http://docs.google.com/org/apache/commons/beanutils/LazyDynaList.html#LazyDynaList-org.apache.commons.beanutils.DynaClass-)([DynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html) elementDynaClass) Construct a LazyDynaList with a specified DynaClass for its elements. |
| * + [LazyDynaList](http://docs.google.com/org/apache/commons/beanutils/LazyDynaList.html#LazyDynaList-int-)(int capacity) Construct a LazyDynaList with the specified capacity. |
| * + [LazyDynaList](http://docs.google.com/org/apache/commons/beanutils/LazyDynaList.html#LazyDynaList-java.lang.Object:A-)([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)[] array) Construct a LazyDynaList populated with the elements of an Array. |

### Method SummaryAll Methods Instance Methods Concrete Methods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + void | * + [add](http://docs.google.com/org/apache/commons/beanutils/LazyDynaList.html#add-int-java.lang.Object-)(int index, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) element) Insert an element at the specified index position. |
| * + boolean | * + [add](http://docs.google.com/org/apache/commons/beanutils/LazyDynaList.html#add-java.lang.Object-)([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) element) Add an element to the List. |
| * + boolean | * + [addAll](http://docs.google.com/org/apache/commons/beanutils/LazyDynaList.html#addAll-java.util.Collection-)([Collection](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true)<?> collection) Add all the elements from a Collection to the list. |
| * + boolean | * + [addAll](http://docs.google.com/org/apache/commons/beanutils/LazyDynaList.html#addAll-int-java.util.Collection-)(int index, [Collection](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true)<?> collection) Insert all the elements from a Collection into the list at a specified position. |
| * + [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/LazyDynaList.html#get-int-)(int index) Return the element at the specified position. |
| * + [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) | * + [set](http://docs.google.com/org/apache/commons/beanutils/LazyDynaList.html#set-int-java.lang.Object-)(int index, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) element) Set the element at the specified position. |
| * + void | * + [setElementDynaClass](http://docs.google.com/org/apache/commons/beanutils/LazyDynaList.html#setElementDynaClass-org.apache.commons.beanutils.DynaClass-)([DynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html) elementDynaClass) Set the element Type and DynaClass. |
| * + void | * + [setElementType](http://docs.google.com/org/apache/commons/beanutils/LazyDynaList.html#setElementType-java.lang.Class-)([Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<?> elementType) Set the element Type and DynaClass. |
| * + [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)[] | * + [toArray](http://docs.google.com/org/apache/commons/beanutils/LazyDynaList.html#toArray--)() Converts the List to an Array. |
| * + <T> T[] | * + [toArray](http://docs.google.com/org/apache/commons/beanutils/LazyDynaList.html#toArray-T:A-)(T[] model) Converts the List to an Array of the specified type. |
| * + [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html)[] | * + [toDynaBeanArray](http://docs.google.com/org/apache/commons/beanutils/LazyDynaList.html#toDynaBeanArray--)() Converts the List to an DynaBean Array. |

### Methods inherited from class java.util.[**ArrayList**](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true)[clear](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true#clear--), [clone](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true#clone--), [contains](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true#contains-java.lang.Object-), [ensureCapacity](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true#ensureCapacity-int-), [forEach](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true#forEach-java.util.function.Consumer-), [indexOf](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true#indexOf-java.lang.Object-), [isEmpty](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true#isEmpty--), [iterator](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true#iterator--), [lastIndexOf](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true#lastIndexOf-java.lang.Object-), [listIterator](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true#listIterator--), [listIterator](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true#listIterator-int-), [remove](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true#remove-int-), [remove](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true#remove-java.lang.Object-), [removeAll](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true#removeAll-java.util.Collection-), [removeIf](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true#removeIf-java.util.function.Predicate-), [removeRange](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true#removeRange-int-int-), [replaceAll](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true#replaceAll-java.util.function.UnaryOperator-), [retainAll](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true#retainAll-java.util.Collection-), [size](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true#size--), [sort](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true#sort-java.util.Comparator-), [spliterator](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true#spliterator--), [subList](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true#subList-int-int-), [trimToSize](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true#trimToSize--)

### Methods inherited from class java.util.[**AbstractList**](https://docs.oracle.com/javase/7/docs/api/java/util/AbstractList.html?is-external=true)[equals](https://docs.oracle.com/javase/7/docs/api/java/util/AbstractList.html?is-external=true#equals-java.lang.Object-), [hashCode](https://docs.oracle.com/javase/7/docs/api/java/util/AbstractList.html?is-external=true#hashCode--)

### Methods inherited from class java.util.[**AbstractCollection**](https://docs.oracle.com/javase/7/docs/api/java/util/AbstractCollection.html?is-external=true)[containsAll](https://docs.oracle.com/javase/7/docs/api/java/util/AbstractCollection.html?is-external=true#containsAll-java.util.Collection-), [toString](https://docs.oracle.com/javase/7/docs/api/java/util/AbstractCollection.html?is-external=true#toString--)

### Methods inherited from class java.lang.[**Object**](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)[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--), [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--), [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-)

### Methods inherited from interface java.util.[**List**](https://docs.oracle.com/javase/7/docs/api/java/util/List.html?is-external=true)[containsAll](https://docs.oracle.com/javase/7/docs/api/java/util/List.html?is-external=true#containsAll-java.util.Collection-), [equals](https://docs.oracle.com/javase/7/docs/api/java/util/List.html?is-external=true#equals-java.lang.Object-), [hashCode](https://docs.oracle.com/javase/7/docs/api/java/util/List.html?is-external=true#hashCode--)

### Methods inherited from interface java.util.[**Collection**](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true)[parallelStream](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true#parallelStream--), [stream](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true#stream--)

### Constructor Detail

#### LazyDynaList public LazyDynaList() Default Constructor.

#### LazyDynaList public LazyDynaList(int capacity) Construct a LazyDynaList with the specified capacity.Parameters: capacity - The initial capacity of the list.

#### LazyDynaList public LazyDynaList([DynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html) elementDynaClass) Construct a LazyDynaList with a specified DynaClass for its elements.Parameters: elementDynaClass - The DynaClass of the List's elements.

#### LazyDynaList public LazyDynaList([Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<?> elementType) Construct a LazyDynaList with a specified type for its elements.Parameters: elementType - The Type of the List's elements.

#### LazyDynaList public LazyDynaList([Collection](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true)<?> collection) Construct a LazyDynaList populated with the elements of a Collection.Parameters: collection - The Collection to populate the List from.

#### LazyDynaList public LazyDynaList([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)[] array) Construct a LazyDynaList populated with the elements of an Array.Parameters: array - The Array to populate the List from.

### Method Detail

#### add public void add(int index, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) element) Insert an element at the specified index position. If the index position is greater than the current size of the List, then the List is automatically *grown* to the appropriate size.Specified by: [add](https://docs.oracle.com/javase/7/docs/api/java/util/List.html?is-external=true#add-int-E-) in interface [List](https://docs.oracle.com/javase/7/docs/api/java/util/List.html?is-external=true)<[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> Overrides: [add](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true#add-int-E-) in class [ArrayList](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true)<[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> Parameters: index - The index position to insert the new element. element - The new element to add.

#### add public boolean add([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) element) Add an element to the List.Specified by: [add](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true#add-E-) in interface [Collection](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true)<[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> Specified by: [add](https://docs.oracle.com/javase/7/docs/api/java/util/List.html?is-external=true#add-E-) in interface [List](https://docs.oracle.com/javase/7/docs/api/java/util/List.html?is-external=true)<[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> Overrides: [add](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true#add-E-) in class [ArrayList](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true)<[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> Parameters: element - The new element to add. Returns: true.

#### addAll public boolean addAll([Collection](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true)<?> collection) Add all the elements from a Collection to the list.Specified by: [addAll](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true#addAll-java.util.Collection-) in interface [Collection](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true)<[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> Specified by: [addAll](https://docs.oracle.com/javase/7/docs/api/java/util/List.html?is-external=true#addAll-java.util.Collection-) in interface [List](https://docs.oracle.com/javase/7/docs/api/java/util/List.html?is-external=true)<[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> Overrides: [addAll](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true#addAll-java.util.Collection-) in class [ArrayList](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true)<[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> Parameters: collection - The Collection of new elements. Returns: true if elements were added.

#### addAll public boolean addAll(int index, [Collection](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true)<?> collection) Insert all the elements from a Collection into the list at a specified position. If the index position is greater than the current size of the List, then the List is automatically *grown* to the appropriate size.Specified by: [addAll](https://docs.oracle.com/javase/7/docs/api/java/util/List.html?is-external=true#addAll-int-java.util.Collection-) in interface [List](https://docs.oracle.com/javase/7/docs/api/java/util/List.html?is-external=true)<[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> Overrides: [addAll](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true#addAll-int-java.util.Collection-) in class [ArrayList](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true)<[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> Parameters: collection - The Collection of new elements. index - The index position to insert the new elements at. Returns: true if elements were added.

#### get public [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) get(int index) Return the element at the specified position. If the position requested is greater than the current size of the List, then the List is automatically *grown* (and populated) to the appropriate size.Specified by: [get](https://docs.oracle.com/javase/7/docs/api/java/util/List.html?is-external=true#get-int-) in interface [List](https://docs.oracle.com/javase/7/docs/api/java/util/List.html?is-external=true)<[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> Overrides: [get](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true#get-int-) in class [ArrayList](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true)<[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> Parameters: index - The index position to insert the new elements at. Returns: The element at the specified position.

#### set public [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) set(int index, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) element) Set the element at the specified position. If the position requested is greater than the current size of the List, then the List is automatically *grown* (and populated) to the appropriate size.Specified by: [set](https://docs.oracle.com/javase/7/docs/api/java/util/List.html?is-external=true#set-int-E-) in interface [List](https://docs.oracle.com/javase/7/docs/api/java/util/List.html?is-external=true)<[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> Overrides: [set](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true#set-int-E-) in class [ArrayList](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true)<[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> Parameters: index - The index position to insert the new element at. element - The new element. Returns: The new element.

#### toArray public [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)[] toArray()

* + - Converts the List to an Array.  
      The type of Array created depends on the contents of the List:
      * If the List contains only LazyDynaMap type elements then a java.util.Map[] array will be created.
      * If the List contains only elements which are "wrapped" DynaBeans then an Object[] of the most suitable type will be created.
      * ...otherwise a DynaBean[] will be created.

Specified by: [toArray](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true#toArray--) in interface [Collection](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true)<[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> Specified by: [toArray](https://docs.oracle.com/javase/7/docs/api/java/util/List.html?is-external=true#toArray--) in interface [List](https://docs.oracle.com/javase/7/docs/api/java/util/List.html?is-external=true)<[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> Overrides: [toArray](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true#toArray--) in class [ArrayList](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true)<[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> Returns: An Array of the elements in this List.

#### toArray public <T> T[] toArray(T[] model) Converts the List to an Array of the specified type.Specified by: [toArray](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true#toArray-T:A-) in interface [Collection](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true)<[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> Specified by: [toArray](https://docs.oracle.com/javase/7/docs/api/java/util/List.html?is-external=true#toArray-T:A-) in interface [List](https://docs.oracle.com/javase/7/docs/api/java/util/List.html?is-external=true)<[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> Overrides: [toArray](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true#toArray-T:A-) in class [ArrayList](https://docs.oracle.com/javase/7/docs/api/java/util/ArrayList.html?is-external=true)<[Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)> Type Parameters: T - The type of the array elements Parameters: model - The model for the type of array to return Returns: An Array of the elements in this List.

#### toDynaBeanArray public [DynaBean](http://docs.google.com/org/apache/commons/beanutils/DynaBean.html)[] toDynaBeanArray() Converts the List to an DynaBean Array.Returns: A DynaBean[] of the elements in this List.

#### setElementType public void setElementType([Class](https://docs.oracle.com/javase/7/docs/api/java/lang/Class.html?is-external=true)<?> elementType) Set the element Type and DynaClass.Parameters: elementType - The type of the elements. Throws: [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - if the List already contains elements or the DynaClass is null.

#### setElementDynaClass public void setElementDynaClass([DynaClass](http://docs.google.com/org/apache/commons/beanutils/DynaClass.html) elementDynaClass) Set the element Type and DynaClass.Parameters: elementDynaClass - The DynaClass of the elements. Throws: [IllegalArgumentException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalArgumentException.html?is-external=true) - if the List already contains elements or the DynaClass is null.

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* [Use](http://docs.google.com/class-use/LazyDynaList.html)
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