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org.apache.commons.collections4

## Interface BoundedCollection<E>

* Type Parameters: E - the type of elements in this collection All Superinterfaces: [Collection](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true)<E>, [Iterable](https://docs.oracle.com/javase/7/docs/api/java/lang/Iterable.html?is-external=true)<E> All Known Implementing Classes: [CircularFifoQueue](http://docs.google.com/org/apache/commons/collections4/queue/CircularFifoQueue.html), [FixedSizeList](http://docs.google.com/org/apache/commons/collections4/list/FixedSizeList.html), [UnmodifiableBoundedCollection](http://docs.google.com/org/apache/commons/collections4/collection/UnmodifiableBoundedCollection.html)  
    
  public interface BoundedCollection<E>  
  extends [Collection](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true)<E>  
  Defines a collection that is bounded in size.  
  The size of the collection can vary, but it can never exceed a preset maximum number of elements. This interface allows the querying of details associated with the maximum number of elements.Since: 3.0 See Also: [CollectionUtils.isFull(java.util.Collection<? extends java.lang.Object>)](http://docs.google.com/org/apache/commons/collections4/CollectionUtils.html#isFull-java.util.Collection-), [CollectionUtils.maxSize(java.util.Collection<? extends java.lang.Object>)](http://docs.google.com/org/apache/commons/collections4/CollectionUtils.html#maxSize-java.util.Collection-)

### Method SummaryAll Methods Instance Methods Abstract Methods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + boolean | * + [isFull](http://docs.google.com/org/apache/commons/collections4/BoundedCollection.html#isFull--)() Returns true if this collection is full and no new elements can be added. |
| * + int | * + [maxSize](http://docs.google.com/org/apache/commons/collections4/BoundedCollection.html#maxSize--)() Gets the maximum size of the collection (the bound). |

### Methods inherited from interface java.util.[**Collection**](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true)[add](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true#add-E-), [addAll](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true#addAll-java.util.Collection-), [clear](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true#clear--), [contains](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true#contains-java.lang.Object-), [containsAll](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true#containsAll-java.util.Collection-), [equals](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true#equals-java.lang.Object-), [hashCode](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true#hashCode--), [isEmpty](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true#isEmpty--), [iterator](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true#iterator--), [parallelStream](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true#parallelStream--), [remove](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true#remove-java.lang.Object-), [removeAll](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true#removeAll-java.util.Collection-), [removeIf](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true#removeIf-java.util.function.Predicate-), [retainAll](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true#retainAll-java.util.Collection-), [size](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true#size--), [spliterator](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true#spliterator--), [stream](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true#stream--), [toArray](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true#toArray--), [toArray](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true#toArray-T:A-)

### Methods inherited from interface java.lang.[**Iterable**](https://docs.oracle.com/javase/7/docs/api/java/lang/Iterable.html?is-external=true)[forEach](https://docs.oracle.com/javase/7/docs/api/java/lang/Iterable.html?is-external=true#forEach-java.util.function.Consumer-)

### Method Detail

#### isFull boolean isFull() Returns true if this collection is full and no new elements can be added.Returns: true if the collection is full.

#### maxSize int maxSize() Gets the maximum size of the collection (the bound).Returns: the maximum number of elements the collection can hold.

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