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Uses of Interface

org.apache.commons.collections4.ResettableIterator

* Packages that use [ResettableIterator](http://docs.google.com/org/apache/commons/collections4/ResettableIterator.html)

|  |  |
| --- | --- |
| * Package | * Description |
| * [org.apache.commons.collections4](#3znysh7) | * This package contains the interfaces and utilities shared across all the subpackages of this component. |
| * [org.apache.commons.collections4.bidimap](#2et92p0) | * This package contains implementations of the [BidiMap](http://docs.google.com/org/apache/commons/collections4/BidiMap.html), [OrderedBidiMap](http://docs.google.com/org/apache/commons/collections4/OrderedBidiMap.html) and [SortedBidiMap](http://docs.google.com/org/apache/commons/collections4/SortedBidiMap.html) interfaces. |
| * [org.apache.commons.collections4.iterators](#tyjcwt) | * This package contains implementations of the [Iterator](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true) interface. |
| * [org.apache.commons.collections4.map](#3dy6vkm) | * This package contains implementations of the [Map](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true), [IterableMap](http://docs.google.com/org/apache/commons/collections4/IterableMap.html), [OrderedMap](http://docs.google.com/org/apache/commons/collections4/OrderedMap.html) and [SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true) interfaces. |

### Uses of [**ResettableIterator**](http://docs.google.com/org/apache/commons/collections4/ResettableIterator.html) in [**org.apache.commons.collections4**](http://docs.google.com/org/apache/commons/collections4/package-summary.html)Subinterfaces of [ResettableIterator](http://docs.google.com/org/apache/commons/collections4/ResettableIterator.html) in [org.apache.commons.collections4](http://docs.google.com/org/apache/commons/collections4/package-summary.html)

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| * + Modifier and Type | * + Interface and Description |
| * + interface | * + [ResettableListIterator](http://docs.google.com/org/apache/commons/collections4/ResettableListIterator.html)<E> Defines a list iterator that can be reset back to an initial state. |

* + Fields in [org.apache.commons.collections4](http://docs.google.com/org/apache/commons/collections4/package-summary.html) declared as [ResettableIterator](http://docs.google.com/org/apache/commons/collections4/ResettableIterator.html)

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| * + Modifier and Type | * + Field and Description |
| * + static [ResettableIterator](http://docs.google.com/org/apache/commons/collections4/ResettableIterator.html) | * + IteratorUtils.[EMPTY\_ITERATOR](http://docs.google.com/org/apache/commons/collections4/IteratorUtils.html#EMPTY_ITERATOR) An iterator over no elements. |

* + Methods in [org.apache.commons.collections4](http://docs.google.com/org/apache/commons/collections4/package-summary.html) that return [ResettableIterator](http://docs.google.com/org/apache/commons/collections4/ResettableIterator.html)

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| * + Modifier and Type | * + Method and Description |
| * + static <E> [ResettableIterator](http://docs.google.com/org/apache/commons/collections4/ResettableIterator.html)<E> | * + IteratorUtils.[arrayIterator](http://docs.google.com/org/apache/commons/collections4/IteratorUtils.html#arrayIterator-E...-)(E... array) Gets an iterator over an object array. |
| * + static <E> [ResettableIterator](http://docs.google.com/org/apache/commons/collections4/ResettableIterator.html)<E> | * + IteratorUtils.[arrayIterator](http://docs.google.com/org/apache/commons/collections4/IteratorUtils.html#arrayIterator-E:A-int-)(E[] array, int start) Gets an iterator over the end part of an object array. |
| * + static <E> [ResettableIterator](http://docs.google.com/org/apache/commons/collections4/ResettableIterator.html)<E> | * + IteratorUtils.[arrayIterator](http://docs.google.com/org/apache/commons/collections4/IteratorUtils.html#arrayIterator-E:A-int-int-)(E[] array, int start, int end) Gets an iterator over part of an object array. |
| * + static <E> [ResettableIterator](http://docs.google.com/org/apache/commons/collections4/ResettableIterator.html)<E> | * + IteratorUtils.[arrayIterator](http://docs.google.com/org/apache/commons/collections4/IteratorUtils.html#arrayIterator-java.lang.Object-)([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) array) Gets an iterator over an object or primitive array. |
| * + static <E> [ResettableIterator](http://docs.google.com/org/apache/commons/collections4/ResettableIterator.html)<E> | * + IteratorUtils.[arrayIterator](http://docs.google.com/org/apache/commons/collections4/IteratorUtils.html#arrayIterator-java.lang.Object-int-)([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) array, int start) Gets an iterator over the end part of an object or primitive array. |
| * + static <E> [ResettableIterator](http://docs.google.com/org/apache/commons/collections4/ResettableIterator.html)<E> | * + IteratorUtils.[arrayIterator](http://docs.google.com/org/apache/commons/collections4/IteratorUtils.html#arrayIterator-java.lang.Object-int-int-)([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) array, int start, int end) Gets an iterator over part of an object or primitive array. |
| * + static <E> [ResettableIterator](http://docs.google.com/org/apache/commons/collections4/ResettableIterator.html)<E> | * + IteratorUtils.[emptyIterator](http://docs.google.com/org/apache/commons/collections4/IteratorUtils.html#emptyIterator--)() Gets an empty iterator. |
| * + static <E> [ResettableIterator](http://docs.google.com/org/apache/commons/collections4/ResettableIterator.html)<E> | * + IteratorUtils.[loopingIterator](http://docs.google.com/org/apache/commons/collections4/IteratorUtils.html#loopingIterator-java.util.Collection-)([Collection](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true)<? extends E> coll) Gets an iterator that loops continuously over the supplied collection. |
| * + static <E> [ResettableIterator](http://docs.google.com/org/apache/commons/collections4/ResettableIterator.html)<E> | * + IteratorUtils.[singletonIterator](http://docs.google.com/org/apache/commons/collections4/IteratorUtils.html#singletonIterator-E-)(E object) Gets a singleton iterator. |

### Uses of [**ResettableIterator**](http://docs.google.com/org/apache/commons/collections4/ResettableIterator.html) in [**org.apache.commons.collections4.bidimap**](http://docs.google.com/org/apache/commons/collections4/bidimap/package-summary.html)Classes in [org.apache.commons.collections4.bidimap](http://docs.google.com/org/apache/commons/collections4/bidimap/package-summary.html) that implement [ResettableIterator](http://docs.google.com/org/apache/commons/collections4/ResettableIterator.html)

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| * + Modifier and Type | * + Class and Description |
| * + protected static class | * + [AbstractDualBidiMap.BidiMapIterator](http://docs.google.com/org/apache/commons/collections4/bidimap/AbstractDualBidiMap.BidiMapIterator.html)<K,V> Inner class MapIterator. |
| * + protected static class | * + [DualTreeBidiMap.BidiOrderedMapIterator](http://docs.google.com/org/apache/commons/collections4/bidimap/DualTreeBidiMap.BidiOrderedMapIterator.html)<K,V> Inner class MapIterator. |

### Uses of [**ResettableIterator**](http://docs.google.com/org/apache/commons/collections4/ResettableIterator.html) in [**org.apache.commons.collections4.iterators**](http://docs.google.com/org/apache/commons/collections4/iterators/package-summary.html)Classes in [org.apache.commons.collections4.iterators](http://docs.google.com/org/apache/commons/collections4/iterators/package-summary.html) that implement [ResettableIterator](http://docs.google.com/org/apache/commons/collections4/ResettableIterator.html)

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| * + Modifier and Type | * + Class and Description |
| * + class | * + [ArrayIterator](http://docs.google.com/org/apache/commons/collections4/iterators/ArrayIterator.html)<E> Implements an [Iterator](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true) over any array. |
| * + class | * + [ArrayListIterator](http://docs.google.com/org/apache/commons/collections4/iterators/ArrayListIterator.html)<E> Implements a [ListIterator](https://docs.oracle.com/javase/7/docs/api/java/util/ListIterator.html?is-external=true) over an array. |
| * + class | * + [EmptyIterator](http://docs.google.com/org/apache/commons/collections4/iterators/EmptyIterator.html)<E> Provides an implementation of an empty iterator. |
| * + class | * + [EmptyListIterator](http://docs.google.com/org/apache/commons/collections4/iterators/EmptyListIterator.html)<E> Provides an implementation of an empty list iterator. |
| * + class | * + [EmptyMapIterator](http://docs.google.com/org/apache/commons/collections4/iterators/EmptyMapIterator.html)<K,V> Provides an implementation of an empty map iterator. |
| * + class | * + [EmptyOrderedIterator](http://docs.google.com/org/apache/commons/collections4/iterators/EmptyOrderedIterator.html)<E> Provides an implementation of an empty ordered iterator. |
| * + class | * + [EmptyOrderedMapIterator](http://docs.google.com/org/apache/commons/collections4/iterators/EmptyOrderedMapIterator.html)<K,V> Provides an implementation of an empty ordered map iterator. |
| * + class | * + [EntrySetMapIterator](http://docs.google.com/org/apache/commons/collections4/iterators/EntrySetMapIterator.html)<K,V> Implements a MapIterator using a Map entrySet. |
| * + class | * + [ListIteratorWrapper](http://docs.google.com/org/apache/commons/collections4/iterators/ListIteratorWrapper.html)<E> Converts an [Iterator](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true) into a [ResettableListIterator](http://docs.google.com/org/apache/commons/collections4/ResettableListIterator.html). |
| * + class | * + [LoopingIterator](http://docs.google.com/org/apache/commons/collections4/iterators/LoopingIterator.html)<E> An Iterator that restarts when it reaches the end. |
| * + class | * + [LoopingListIterator](http://docs.google.com/org/apache/commons/collections4/iterators/LoopingListIterator.html)<E> A ListIterator that restarts when it reaches the end or when it reaches the beginning. |
| * + class | * + [ObjectArrayIterator](http://docs.google.com/org/apache/commons/collections4/iterators/ObjectArrayIterator.html)<E> An [Iterator](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true) over an array of objects. |
| * + class | * + [ObjectArrayListIterator](http://docs.google.com/org/apache/commons/collections4/iterators/ObjectArrayListIterator.html)<E> Implements a [ListIterator](https://docs.oracle.com/javase/7/docs/api/java/util/ListIterator.html?is-external=true) over an array of objects. |
| * + class | * + [ReverseListIterator](http://docs.google.com/org/apache/commons/collections4/iterators/ReverseListIterator.html)<E> Iterates backwards through a List, starting with the last element and continuing to the first. |
| * + class | * + [SingletonIterator](http://docs.google.com/org/apache/commons/collections4/iterators/SingletonIterator.html)<E> SingletonIterator is an [Iterator](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true) over a single object instance. |
| * + class | * + [SingletonListIterator](http://docs.google.com/org/apache/commons/collections4/iterators/SingletonListIterator.html)<E> SingletonIterator is an [ListIterator](https://docs.oracle.com/javase/7/docs/api/java/util/ListIterator.html?is-external=true) over a single object instance. |

* + Fields in [org.apache.commons.collections4.iterators](http://docs.google.com/org/apache/commons/collections4/iterators/package-summary.html) declared as [ResettableIterator](http://docs.google.com/org/apache/commons/collections4/ResettableIterator.html)

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| * + Modifier and Type | * + Field and Description |
| * + static [ResettableIterator](http://docs.google.com/org/apache/commons/collections4/ResettableIterator.html) | * + EmptyIterator.[RESETTABLE\_INSTANCE](http://docs.google.com/org/apache/commons/collections4/iterators/EmptyIterator.html#RESETTABLE_INSTANCE) Singleton instance of the iterator. |

* + Methods in [org.apache.commons.collections4.iterators](http://docs.google.com/org/apache/commons/collections4/iterators/package-summary.html) that return [ResettableIterator](http://docs.google.com/org/apache/commons/collections4/ResettableIterator.html)

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| * + Modifier and Type | * + Method and Description |
| * + static <E> [ResettableIterator](http://docs.google.com/org/apache/commons/collections4/ResettableIterator.html)<E> | * + EmptyIterator.[resettableEmptyIterator](http://docs.google.com/org/apache/commons/collections4/iterators/EmptyIterator.html#resettableEmptyIterator--)() Get a typed resettable empty iterator instance. |

### Uses of [**ResettableIterator**](http://docs.google.com/org/apache/commons/collections4/ResettableIterator.html) in [**org.apache.commons.collections4.map**](http://docs.google.com/org/apache/commons/collections4/map/package-summary.html)Classes in [org.apache.commons.collections4.map](http://docs.google.com/org/apache/commons/collections4/map/package-summary.html) that implement [ResettableIterator](http://docs.google.com/org/apache/commons/collections4/ResettableIterator.html)

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| * + Modifier and Type | * + Class and Description |
| * + protected static class | * + [AbstractLinkedMap.EntrySetIterator](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.EntrySetIterator.html)<K,V> EntrySet iterator. |
| * + protected static class | * + [AbstractLinkedMap.KeySetIterator](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.KeySetIterator.html)<K> KeySet iterator. |
| * + protected static class | * + [AbstractLinkedMap.LinkMapIterator](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkMapIterator.html)<K,V> MapIterator implementation. |
| * + protected static class | * + [AbstractLinkedMap.ValuesIterator](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.ValuesIterator.html)<V> Values iterator. |
| * + protected static class | * + [AbstractSortedMapDecorator.SortedMapIterator](http://docs.google.com/org/apache/commons/collections4/map/AbstractSortedMapDecorator.SortedMapIterator.html)<K,V> OrderedMapIterator implementation. |
| * + class | * + [EntrySetToMapIteratorAdapter](http://docs.google.com/org/apache/commons/collections4/map/EntrySetToMapIteratorAdapter.html)<K,V> Adapts a Map entrySet to the MapIterator interface. |

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