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[Skip navigation links](#1fob9te)

* [Overview](http://docs.google.com/overview-summary.html)
* [Package](http://docs.google.com/package-summary.html)
* [Class](http://docs.google.com/org/apache/commons/collections4/OrderedMap.html)
* Use
* [Tree](http://docs.google.com/overview-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
* Next
* [Frames](http://docs.google.com/index.html?org/apache/commons/collections4/class-use/OrderedMap.html)
* [No Frames](http://docs.google.com/OrderedMap.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)

Uses of Interface

org.apache.commons.collections4.OrderedMap

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

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| * 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.map](#tyjcwt) | * 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. |
| * [org.apache.commons.collections4.trie](#3dy6vkm) | * This package contains implementations of the [Trie](http://docs.google.com/org/apache/commons/collections4/Trie.html) interface. |

### Uses of [**OrderedMap**](http://docs.google.com/org/apache/commons/collections4/OrderedMap.html) in [**org.apache.commons.collections4**](http://docs.google.com/org/apache/commons/collections4/package-summary.html)Subinterfaces of [OrderedMap](http://docs.google.com/org/apache/commons/collections4/OrderedMap.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 | * + [IterableSortedMap](http://docs.google.com/org/apache/commons/collections4/IterableSortedMap.html)<K,V> [SortedMap](https://docs.oracle.com/javase/7/docs/api/java/util/SortedMap.html?is-external=true) + [OrderedMap](http://docs.google.com/org/apache/commons/collections4/OrderedMap.html). |
| * + interface | * + [OrderedBidiMap](http://docs.google.com/org/apache/commons/collections4/OrderedBidiMap.html)<K,V> Defines a map that allows bidirectional lookup between key and values and retains and provides access to an ordering. |
| * + interface | * + [SortedBidiMap](http://docs.google.com/org/apache/commons/collections4/SortedBidiMap.html)<K,V> Defines a map that allows bidirectional lookup between key and values and retains both keys and values in sorted order. |
| * + interface | * + [Trie](http://docs.google.com/org/apache/commons/collections4/Trie.html)<K,V> Defines the interface for a prefix tree, an ordered tree data structure. |

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

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| * + Modifier and Type | * + Method and Description |
| * + static <K,V> [OrderedMap](http://docs.google.com/org/apache/commons/collections4/OrderedMap.html)<K,V> | * + MapUtils.[orderedMap](http://docs.google.com/org/apache/commons/collections4/MapUtils.html#orderedMap-java.util.Map-)([Map](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<K,V> map) Returns a map that maintains the order of keys that are added backed by the given map. |

### Uses of [**OrderedMap**](http://docs.google.com/org/apache/commons/collections4/OrderedMap.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 [OrderedMap](http://docs.google.com/org/apache/commons/collections4/OrderedMap.html)

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| * + Modifier and Type | * + Class and Description |
| * + class | * + [AbstractOrderedBidiMapDecorator](http://docs.google.com/org/apache/commons/collections4/bidimap/AbstractOrderedBidiMapDecorator.html)<K,V> Provides a base decorator that enables additional functionality to be added to an OrderedBidiMap via decoration. |
| * + class | * + [AbstractSortedBidiMapDecorator](http://docs.google.com/org/apache/commons/collections4/bidimap/AbstractSortedBidiMapDecorator.html)<K,V> Provides a base decorator that enables additional functionality to be added to a SortedBidiMap via decoration. |
| * + class | * + [DualTreeBidiMap](http://docs.google.com/org/apache/commons/collections4/bidimap/DualTreeBidiMap.html)<K,V> Implementation of [BidiMap](http://docs.google.com/org/apache/commons/collections4/BidiMap.html) that uses two [TreeMap](https://docs.oracle.com/javase/7/docs/api/java/util/TreeMap.html?is-external=true) instances. |
| * + protected static class | * + [DualTreeBidiMap.ViewMap](http://docs.google.com/org/apache/commons/collections4/bidimap/DualTreeBidiMap.ViewMap.html)<K,V> Internal sorted map view. |
| * + class | * + [TreeBidiMap](http://docs.google.com/org/apache/commons/collections4/bidimap/TreeBidiMap.html)<K extends [Comparable](https://docs.oracle.com/javase/7/docs/api/java/lang/Comparable.html?is-external=true)<K>,V extends [Comparable](https://docs.oracle.com/javase/7/docs/api/java/lang/Comparable.html?is-external=true)<V>> Red-Black tree-based implementation of BidiMap where all objects added implement the Comparable interface. |
| * + class | * + [UnmodifiableOrderedBidiMap](http://docs.google.com/org/apache/commons/collections4/bidimap/UnmodifiableOrderedBidiMap.html)<K,V> Decorates another [OrderedBidiMap](http://docs.google.com/org/apache/commons/collections4/OrderedBidiMap.html) to ensure it can't be altered. |
| * + class | * + [UnmodifiableSortedBidiMap](http://docs.google.com/org/apache/commons/collections4/bidimap/UnmodifiableSortedBidiMap.html)<K,V> Decorates another [SortedBidiMap](http://docs.google.com/org/apache/commons/collections4/SortedBidiMap.html) to ensure it can't be altered. |

### Uses of [**OrderedMap**](http://docs.google.com/org/apache/commons/collections4/OrderedMap.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 [OrderedMap](http://docs.google.com/org/apache/commons/collections4/OrderedMap.html)

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| * + Modifier and Type | * + Class and Description |
| * + class | * + [AbstractLinkedMap](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.html)<K,V> An abstract implementation of a hash-based map that links entries to create an ordered map and which provides numerous points for subclasses to override. |
| * + class | * + [AbstractOrderedMapDecorator](http://docs.google.com/org/apache/commons/collections4/map/AbstractOrderedMapDecorator.html)<K,V> Provides a base decorator that enables additional functionality to be added to an OrderedMap via decoration. |
| * + class | * + [AbstractSortedMapDecorator](http://docs.google.com/org/apache/commons/collections4/map/AbstractSortedMapDecorator.html)<K,V> Provides a base decorator that enables additional functionality to be added to a Map via decoration. |
| * + class | * + [FixedSizeSortedMap](http://docs.google.com/org/apache/commons/collections4/map/FixedSizeSortedMap.html)<K,V> Decorates another SortedMap to fix the size blocking add/remove. |
| * + class | * + [LinkedMap](http://docs.google.com/org/apache/commons/collections4/map/LinkedMap.html)<K,V> A Map implementation that maintains the order of the entries. |
| * + class | * + [ListOrderedMap](http://docs.google.com/org/apache/commons/collections4/map/ListOrderedMap.html)<K,V> Decorates a Map to ensure that the order of addition is retained using a List to maintain order. |
| * + class | * + [LRUMap](http://docs.google.com/org/apache/commons/collections4/map/LRUMap.html)<K,V> A Map implementation with a fixed maximum size which removes the least recently used entry if an entry is added when full. |
| * + class | * + [SingletonMap](http://docs.google.com/org/apache/commons/collections4/map/SingletonMap.html)<K,V> A Map implementation that holds a single item and is fixed size. |
| * + class | * + [UnmodifiableOrderedMap](http://docs.google.com/org/apache/commons/collections4/map/UnmodifiableOrderedMap.html)<K,V> Decorates another OrderedMap to ensure it can't be altered. |
| * + class | * + [UnmodifiableSortedMap](http://docs.google.com/org/apache/commons/collections4/map/UnmodifiableSortedMap.html)<K,V> Decorates another SortedMap to ensure it can't be altered. |

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

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| * + Modifier and Type | * + Method and Description |
| * + protected [OrderedMap](http://docs.google.com/org/apache/commons/collections4/OrderedMap.html)<[K](http://docs.google.com/org/apache/commons/collections4/map/AbstractOrderedMapDecorator.html),[V](http://docs.google.com/org/apache/commons/collections4/map/AbstractOrderedMapDecorator.html)> | * + AbstractOrderedMapDecorator.[decorated](http://docs.google.com/org/apache/commons/collections4/map/AbstractOrderedMapDecorator.html#decorated--)() Gets the map being decorated. |
| * + static <K,V> [OrderedMap](http://docs.google.com/org/apache/commons/collections4/OrderedMap.html)<K,V> | * + UnmodifiableOrderedMap.[unmodifiableOrderedMap](http://docs.google.com/org/apache/commons/collections4/map/UnmodifiableOrderedMap.html#unmodifiableOrderedMap-org.apache.commons.collections4.OrderedMap-)([OrderedMap](http://docs.google.com/org/apache/commons/collections4/OrderedMap.html)<? extends K,? extends V> map) Factory method to create an unmodifiable sorted map. |

* + Methods in [org.apache.commons.collections4.map](http://docs.google.com/org/apache/commons/collections4/map/package-summary.html) with parameters of type [OrderedMap](http://docs.google.com/org/apache/commons/collections4/OrderedMap.html)

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| * + Modifier and Type | * + Method and Description |
| * + static <K,V> [OrderedMap](http://docs.google.com/org/apache/commons/collections4/OrderedMap.html)<K,V> | * + UnmodifiableOrderedMap.[unmodifiableOrderedMap](http://docs.google.com/org/apache/commons/collections4/map/UnmodifiableOrderedMap.html#unmodifiableOrderedMap-org.apache.commons.collections4.OrderedMap-)([OrderedMap](http://docs.google.com/org/apache/commons/collections4/OrderedMap.html)<? extends K,? extends V> map) Factory method to create an unmodifiable sorted map. |

* + Constructors in [org.apache.commons.collections4.map](http://docs.google.com/org/apache/commons/collections4/map/package-summary.html) with parameters of type [OrderedMap](http://docs.google.com/org/apache/commons/collections4/OrderedMap.html)

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| * + Constructor and Description |
| * + [AbstractOrderedMapDecorator](http://docs.google.com/org/apache/commons/collections4/map/AbstractOrderedMapDecorator.html#AbstractOrderedMapDecorator-org.apache.commons.collections4.OrderedMap-)([OrderedMap](http://docs.google.com/org/apache/commons/collections4/OrderedMap.html)<[K](http://docs.google.com/org/apache/commons/collections4/map/AbstractOrderedMapDecorator.html),[V](http://docs.google.com/org/apache/commons/collections4/map/AbstractOrderedMapDecorator.html)> map) Constructor that wraps (not copies). |

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

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| * + Modifier and Type | * + Class and Description |
| * + class | * + [AbstractBitwiseTrie](http://docs.google.com/org/apache/commons/collections4/trie/AbstractBitwiseTrie.html)<K,V> This class provides some basic [Trie](http://docs.google.com/org/apache/commons/collections4/Trie.html) functionality and utility methods for actual bitwise [Trie](http://docs.google.com/org/apache/commons/collections4/Trie.html) implementations. |
| * + class | * + [PatriciaTrie](http://docs.google.com/org/apache/commons/collections4/trie/PatriciaTrie.html)<E> Implementation of a PATRICIA Trie (Practical Algorithm to Retrieve Information Coded in Alphanumeric). |
| * + class | * + [UnmodifiableTrie](http://docs.google.com/org/apache/commons/collections4/trie/UnmodifiableTrie.html)<K,V> An unmodifiable [Trie](http://docs.google.com/org/apache/commons/collections4/Trie.html). |

[Skip navigation links](#2s8eyo1)

* [Overview](http://docs.google.com/overview-summary.html)
* [Package](http://docs.google.com/package-summary.html)
* [Class](http://docs.google.com/org/apache/commons/collections4/OrderedMap.html)
* Use
* [Tree](http://docs.google.com/overview-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
* Next
* [Frames](http://docs.google.com/index.html?org/apache/commons/collections4/class-use/OrderedMap.html)
* [No Frames](http://docs.google.com/OrderedMap.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)

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