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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/keyvalue/MultiKey.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/keyvalue/class-use/MultiKey.html)
* [No Frames](http://docs.google.com/MultiKey.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)

Uses of Class

org.apache.commons.collections4.keyvalue.MultiKey

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

|  |  |
| --- | --- |
| * Package | * Description |
| * [org.apache.commons.collections4.map](#3znysh7) | * 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 [**MultiKey**](http://docs.google.com/org/apache/commons/collections4/keyvalue/MultiKey.html) in [**org.apache.commons.collections4.map**](http://docs.google.com/org/apache/commons/collections4/map/package-summary.html)Methods in [org.apache.commons.collections4.map](http://docs.google.com/org/apache/commons/collections4/map/package-summary.html) that return types with arguments of type [MultiKey](http://docs.google.com/org/apache/commons/collections4/keyvalue/MultiKey.html)

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| * + Modifier and Type | * + Method and Description |
| * + protected [AbstractHashedMap](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.html)<[MultiKey](http://docs.google.com/org/apache/commons/collections4/keyvalue/MultiKey.html)<? extends [K](http://docs.google.com/org/apache/commons/collections4/map/MultiKeyMap.html)>,[V](http://docs.google.com/org/apache/commons/collections4/map/MultiKeyMap.html)> | * + MultiKeyMap.[decorated](http://docs.google.com/org/apache/commons/collections4/map/MultiKeyMap.html#decorated--)() Gets the map being decorated. |
| * + [MapIterator](http://docs.google.com/org/apache/commons/collections4/MapIterator.html)<[MultiKey](http://docs.google.com/org/apache/commons/collections4/keyvalue/MultiKey.html)<? extends [K](http://docs.google.com/org/apache/commons/collections4/map/MultiKeyMap.html)>,[V](http://docs.google.com/org/apache/commons/collections4/map/MultiKeyMap.html)> | * + MultiKeyMap.[mapIterator](http://docs.google.com/org/apache/commons/collections4/map/MultiKeyMap.html#mapIterator--)() |

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

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| * + Modifier and Type | * + Method and Description |
| * + protected void | * + MultiKeyMap.[checkKey](http://docs.google.com/org/apache/commons/collections4/map/MultiKeyMap.html#checkKey-org.apache.commons.collections4.keyvalue.MultiKey-)([MultiKey](http://docs.google.com/org/apache/commons/collections4/keyvalue/MultiKey.html)<?> key) Check to ensure that input keys are valid MultiKey objects. |
| * + [V](http://docs.google.com/org/apache/commons/collections4/map/MultiKeyMap.html) | * + MultiKeyMap.[put](http://docs.google.com/org/apache/commons/collections4/map/MultiKeyMap.html#put-org.apache.commons.collections4.keyvalue.MultiKey-V-)([MultiKey](http://docs.google.com/org/apache/commons/collections4/keyvalue/MultiKey.html)<? extends [K](http://docs.google.com/org/apache/commons/collections4/map/MultiKeyMap.html)> key, [V](http://docs.google.com/org/apache/commons/collections4/map/MultiKeyMap.html) value) Puts the key and value into the map, where the key must be a non-null MultiKey object. |

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

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| * + Modifier and Type | * + Method and Description |
| * + protected boolean | * + MultiKeyMap.[isEqualKey](http://docs.google.com/org/apache/commons/collections4/map/MultiKeyMap.html#isEqualKey-org.apache.commons.collections4.map.AbstractHashedMap.HashEntry-java.lang.Object-java.lang.Object-)([AbstractHashedMap.HashEntry](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.html)<[MultiKey](http://docs.google.com/org/apache/commons/collections4/keyvalue/MultiKey.html)<? extends [K](http://docs.google.com/org/apache/commons/collections4/map/MultiKeyMap.html)>,[V](http://docs.google.com/org/apache/commons/collections4/map/MultiKeyMap.html)> entry, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) key1, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) key2) Is the key equal to the combined key. |
| * + protected boolean | * + MultiKeyMap.[isEqualKey](http://docs.google.com/org/apache/commons/collections4/map/MultiKeyMap.html#isEqualKey-org.apache.commons.collections4.map.AbstractHashedMap.HashEntry-java.lang.Object-java.lang.Object-java.lang.Object-)([AbstractHashedMap.HashEntry](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.html)<[MultiKey](http://docs.google.com/org/apache/commons/collections4/keyvalue/MultiKey.html)<? extends [K](http://docs.google.com/org/apache/commons/collections4/map/MultiKeyMap.html)>,[V](http://docs.google.com/org/apache/commons/collections4/map/MultiKeyMap.html)> entry, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) key1, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) key2, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) key3) Is the key equal to the combined key. |
| * + protected boolean | * + MultiKeyMap.[isEqualKey](http://docs.google.com/org/apache/commons/collections4/map/MultiKeyMap.html#isEqualKey-org.apache.commons.collections4.map.AbstractHashedMap.HashEntry-java.lang.Object-java.lang.Object-java.lang.Object-java.lang.Object-)([AbstractHashedMap.HashEntry](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.html)<[MultiKey](http://docs.google.com/org/apache/commons/collections4/keyvalue/MultiKey.html)<? extends [K](http://docs.google.com/org/apache/commons/collections4/map/MultiKeyMap.html)>,[V](http://docs.google.com/org/apache/commons/collections4/map/MultiKeyMap.html)> entry, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) key1, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) key2, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) key3, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) key4) Is the key equal to the combined key. |
| * + protected boolean | * + MultiKeyMap.[isEqualKey](http://docs.google.com/org/apache/commons/collections4/map/MultiKeyMap.html#isEqualKey-org.apache.commons.collections4.map.AbstractHashedMap.HashEntry-java.lang.Object-java.lang.Object-java.lang.Object-java.lang.Object-java.lang.Object-)([AbstractHashedMap.HashEntry](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.html)<[MultiKey](http://docs.google.com/org/apache/commons/collections4/keyvalue/MultiKey.html)<? extends [K](http://docs.google.com/org/apache/commons/collections4/map/MultiKeyMap.html)>,[V](http://docs.google.com/org/apache/commons/collections4/map/MultiKeyMap.html)> entry, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) key1, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) key2, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) key3, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) key4, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) key5) Is the key equal to the combined key. |
| * + static <K,V> [MultiKeyMap](http://docs.google.com/org/apache/commons/collections4/map/MultiKeyMap.html)<K,V> | * + MultiKeyMap.[multiKeyMap](http://docs.google.com/org/apache/commons/collections4/map/MultiKeyMap.html#multiKeyMap-org.apache.commons.collections4.map.AbstractHashedMap-)([AbstractHashedMap](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.html)<[MultiKey](http://docs.google.com/org/apache/commons/collections4/keyvalue/MultiKey.html)<? extends K>,V> map) Decorates the specified map to add the MultiKeyMap API and fast query. |
| * + void | * + MultiKeyMap.[putAll](http://docs.google.com/org/apache/commons/collections4/map/MultiKeyMap.html#putAll-java.util.Map-)([Map](https://docs.oracle.com/javase/7/docs/api/java/util/Map.html?is-external=true)<? extends [MultiKey](http://docs.google.com/org/apache/commons/collections4/keyvalue/MultiKey.html)<? extends [K](http://docs.google.com/org/apache/commons/collections4/map/MultiKeyMap.html)>,? extends [V](http://docs.google.com/org/apache/commons/collections4/map/MultiKeyMap.html)> mapToCopy) Copies all of the keys and values from the specified map to this map. |

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

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| * + Constructor and Description |
| * + [MultiKeyMap](http://docs.google.com/org/apache/commons/collections4/map/MultiKeyMap.html#MultiKeyMap-org.apache.commons.collections4.map.AbstractHashedMap-)([AbstractHashedMap](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.html)<[MultiKey](http://docs.google.com/org/apache/commons/collections4/keyvalue/MultiKey.html)<? extends [K](http://docs.google.com/org/apache/commons/collections4/map/MultiKeyMap.html)>,[V](http://docs.google.com/org/apache/commons/collections4/map/MultiKeyMap.html)> map) Constructor that decorates the specified map and is called from [MultiKeyMap.multiKeyMap(AbstractHashedMap)](http://docs.google.com/org/apache/commons/collections4/map/MultiKeyMap.html#multiKeyMap-org.apache.commons.collections4.map.AbstractHashedMap-). |

[Skip navigation links](#3dy6vkm)

* [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/keyvalue/MultiKey.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/keyvalue/class-use/MultiKey.html)
* [No Frames](http://docs.google.com/MultiKey.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)

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