JavaScript is disabled on your browser.

[Skip navigation links](#1fob9te)

* [Overview](http://docs.google.com/overview-summary.html)
* [Package](http://docs.google.com/package-summary.html)
* Class
* [Use](http://docs.google.com/class-use/AbstractMapEntryDecorator.html)
* [Tree](http://docs.google.com/package-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 Class](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntry.html)
* [Next Class](http://docs.google.com/org/apache/commons/collections4/keyvalue/DefaultKeyValue.html)
* [Frames](http://docs.google.com/index.html?org/apache/commons/collections4/keyvalue/AbstractMapEntryDecorator.html)
* [No Frames](http://docs.google.com/AbstractMapEntryDecorator.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)
* Summary:
* Nested |
* Field |
* [Constr](#3znysh7) |
* [Method](#2et92p0)
* Detail:
* Field |
* [Constr](#1t3h5sf) |
* [Method](#2s8eyo1)

org.apache.commons.collections4.keyvalue

## Class AbstractMapEntryDecorator<K,V>

* [java.lang.Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)
  + org.apache.commons.collections4.keyvalue.AbstractMapEntryDecorator<K,V>
* Type Parameters: K - the type of keys V - the type of mapped values All Implemented Interfaces: [Map.Entry](https://docs.oracle.com/javase/7/docs/api/java/util/Map.Entry.html?is-external=true)<K,V>, [KeyValue](http://docs.google.com/org/apache/commons/collections4/KeyValue.html)<K,V> Direct Known Subclasses: [AbstractDualBidiMap.MapEntry](http://docs.google.com/org/apache/commons/collections4/bidimap/AbstractDualBidiMap.MapEntry.html)  
    
  public abstract class AbstractMapEntryDecorator<K,V>  
  extends [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)  
  implements [Map.Entry](https://docs.oracle.com/javase/7/docs/api/java/util/Map.Entry.html?is-external=true)<K,V>, [KeyValue](http://docs.google.com/org/apache/commons/collections4/KeyValue.html)<K,V>  
  Provides a base decorator that allows additional functionality to be added to a [Map.Entry](https://docs.oracle.com/javase/7/docs/api/java/util/Map.Entry.html?is-external=true).Since: 3.0

### Constructor SummaryConstructors

|  |
| --- |
| * + Constructor and Description |
| * + [AbstractMapEntryDecorator](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntryDecorator.html#AbstractMapEntryDecorator-java.util.Map.Entry-)([Map.Entry](https://docs.oracle.com/javase/7/docs/api/java/util/Map.Entry.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntryDecorator.html),[V](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntryDecorator.html)> entry) Constructor that wraps (not copies). |

### Method SummaryAll Methods Instance Methods Concrete Methods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + boolean | * + [equals](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntryDecorator.html#equals-java.lang.Object-)([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) object) |
| * + [K](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntryDecorator.html) | * + [getKey](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntryDecorator.html#getKey--)() Gets the key from the pair. |
| * + protected [Map.Entry](https://docs.oracle.com/javase/7/docs/api/java/util/Map.Entry.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntryDecorator.html),[V](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntryDecorator.html)> | * + [getMapEntry](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntryDecorator.html#getMapEntry--)() Gets the map being decorated. |
| * + [V](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntryDecorator.html) | * + [getValue](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntryDecorator.html#getValue--)() Gets the value from the pair. |
| * + int | * + [hashCode](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntryDecorator.html#hashCode--)() |
| * + [V](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntryDecorator.html) | * + [setValue](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntryDecorator.html#setValue-V-)([V](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntryDecorator.html) object) |
| * + [String](https://docs.oracle.com/javase/7/docs/api/java/lang/String.html?is-external=true) | * + [toString](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntryDecorator.html#toString--)() |

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

### Constructor Detail

#### AbstractMapEntryDecorator public AbstractMapEntryDecorator([Map.Entry](https://docs.oracle.com/javase/7/docs/api/java/util/Map.Entry.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntryDecorator.html),[V](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntryDecorator.html)> entry) Constructor that wraps (not copies).Parameters: entry - the Map.Entry to decorate, must not be null Throws: [NullPointerException](https://docs.oracle.com/javase/7/docs/api/java/lang/NullPointerException.html?is-external=true) - if the collection is null

### Method Detail

#### getMapEntry protected [Map.Entry](https://docs.oracle.com/javase/7/docs/api/java/util/Map.Entry.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntryDecorator.html),[V](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntryDecorator.html)> getMapEntry() Gets the map being decorated.Returns: the decorated map

#### getKey public [K](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntryDecorator.html) getKey() Description copied from interface: [KeyValue](http://docs.google.com/org/apache/commons/collections4/KeyValue.html#getKey--) Gets the key from the pair.Specified by: [getKey](https://docs.oracle.com/javase/7/docs/api/java/util/Map.Entry.html?is-external=true#getKey--) in interface [Map.Entry](https://docs.oracle.com/javase/7/docs/api/java/util/Map.Entry.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntryDecorator.html),[V](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntryDecorator.html)> Specified by: [getKey](http://docs.google.com/org/apache/commons/collections4/KeyValue.html#getKey--) in interface [KeyValue](http://docs.google.com/org/apache/commons/collections4/KeyValue.html)<[K](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntryDecorator.html),[V](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntryDecorator.html)> Returns: the key

#### getValue public [V](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntryDecorator.html) getValue() Description copied from interface: [KeyValue](http://docs.google.com/org/apache/commons/collections4/KeyValue.html#getValue--) Gets the value from the pair.Specified by: [getValue](https://docs.oracle.com/javase/7/docs/api/java/util/Map.Entry.html?is-external=true#getValue--) in interface [Map.Entry](https://docs.oracle.com/javase/7/docs/api/java/util/Map.Entry.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntryDecorator.html),[V](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntryDecorator.html)> Specified by: [getValue](http://docs.google.com/org/apache/commons/collections4/KeyValue.html#getValue--) in interface [KeyValue](http://docs.google.com/org/apache/commons/collections4/KeyValue.html)<[K](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntryDecorator.html),[V](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntryDecorator.html)> Returns: the value

#### setValue public [V](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntryDecorator.html) setValue([V](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntryDecorator.html) object)Specified by: [setValue](https://docs.oracle.com/javase/7/docs/api/java/util/Map.Entry.html?is-external=true#setValue-V-) in interface [Map.Entry](https://docs.oracle.com/javase/7/docs/api/java/util/Map.Entry.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntryDecorator.html),[V](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntryDecorator.html)>

#### equals public boolean equals([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) object)Specified by: [equals](https://docs.oracle.com/javase/7/docs/api/java/util/Map.Entry.html?is-external=true#equals-java.lang.Object-) in interface [Map.Entry](https://docs.oracle.com/javase/7/docs/api/java/util/Map.Entry.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntryDecorator.html),[V](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntryDecorator.html)> Overrides: [equals](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#equals-java.lang.Object-) in class [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)

#### hashCode public int hashCode()Specified by: [hashCode](https://docs.oracle.com/javase/7/docs/api/java/util/Map.Entry.html?is-external=true#hashCode--) in interface [Map.Entry](https://docs.oracle.com/javase/7/docs/api/java/util/Map.Entry.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntryDecorator.html),[V](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntryDecorator.html)> Overrides: [hashCode](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#hashCode--) in class [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)

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

[Skip navigation links](#1y810tw)

* [Overview](http://docs.google.com/overview-summary.html)
* [Package](http://docs.google.com/package-summary.html)
* Class
* [Use](http://docs.google.com/class-use/AbstractMapEntryDecorator.html)
* [Tree](http://docs.google.com/package-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 Class](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntry.html)
* [Next Class](http://docs.google.com/org/apache/commons/collections4/keyvalue/DefaultKeyValue.html)
* [Frames](http://docs.google.com/index.html?org/apache/commons/collections4/keyvalue/AbstractMapEntryDecorator.html)
* [No Frames](http://docs.google.com/AbstractMapEntryDecorator.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)
* Summary:
* Nested |
* Field |
* [Constr](#3znysh7) |
* [Method](#2et92p0)
* Detail:
* Field |
* [Constr](#1t3h5sf) |
* [Method](#2s8eyo1)

Copyright © 2001–2019 [The Apache Software Foundation](https://www.apache.org/). All rights reserved.