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org.apache.commons.collections4.keyvalue

## Class AbstractMapEntry<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.AbstractKeyValue](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractKeyValue.html)<K,V>
    - org.apache.commons.collections4.keyvalue.AbstractMapEntry<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: [DefaultMapEntry](http://docs.google.com/org/apache/commons/collections4/keyvalue/DefaultMapEntry.html), [UnmodifiableMapEntry](http://docs.google.com/org/apache/commons/collections4/keyvalue/UnmodifiableMapEntry.html)  
    
  public abstract class AbstractMapEntry<K,V>  
  extends [AbstractKeyValue](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractKeyValue.html)<K,V>  
  implements [Map.Entry](https://docs.oracle.com/javase/7/docs/api/java/util/Map.Entry.html?is-external=true)<K,V>  
  Abstract Pair class to assist with creating correct [Map.Entry](https://docs.oracle.com/javase/7/docs/api/java/util/Map.Entry.html?is-external=true) implementations.Since: 3.0

### Constructor SummaryConstructors

|  |  |
| --- | --- |
| * + Modifier | * + Constructor and Description |
| * + protected | * + [AbstractMapEntry](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntry.html#AbstractMapEntry-K-V-)([K](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntry.html) key, [V](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntry.html) value) Constructs a new entry with the given key and given value. |

### Method SummaryAll Methods Instance Methods Concrete Methods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + boolean | * + [equals](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntry.html#equals-java.lang.Object-)([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) obj) Compares this Map.Entry with another Map.Entry. |
| * + int | * + [hashCode](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntry.html#hashCode--)() Gets a hashCode compatible with the equals method. |
| * + [V](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntry.html) | * + [setValue](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntry.html#setValue-V-)([V](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntry.html) value) Sets the value stored in this Map.Entry. |

### Methods inherited from class org.apache.commons.collections4.keyvalue.[**AbstractKeyValue**](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractKeyValue.html)[getKey](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractKeyValue.html#getKey--), [getValue](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractKeyValue.html#getValue--), [setKey](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractKeyValue.html#setKey-K-), [toString](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractKeyValue.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-), [getKey](https://docs.oracle.com/javase/7/docs/api/java/util/Map.Entry.html?is-external=true#getKey--), [getValue](https://docs.oracle.com/javase/7/docs/api/java/util/Map.Entry.html?is-external=true#getValue--)

### Constructor Detail

#### AbstractMapEntry protected AbstractMapEntry([K](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntry.html) key, [V](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntry.html) value) Constructs a new entry with the given key and given value.Parameters: key - the key for the entry, may be null value - the value for the entry, may be null

### Method Detail

#### setValue public [V](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntry.html) setValue([V](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntry.html) value) Sets the value stored in this Map.Entry. This Map.Entry is not connected to a Map, so only the local data is changed.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/AbstractMapEntry.html),[V](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntry.html)> Overrides: [setValue](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractKeyValue.html#setValue-V-) in class [AbstractKeyValue](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractKeyValue.html)<[K](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntry.html),[V](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntry.html)> Parameters: value - the new value Returns: the previous value

#### equals public boolean equals([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) obj) Compares this Map.Entry with another Map.Entry. Implemented per API documentation of [Map.Entry.equals(Object)](https://docs.oracle.com/javase/7/docs/api/java/util/Map.Entry.html?is-external=true#equals-java.lang.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/AbstractMapEntry.html),[V](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntry.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) Parameters: obj - the object to compare to Returns: true if equal key and value

#### hashCode public int hashCode() Gets a hashCode compatible with the equals method. Implemented per API documentation of [Map.Entry.hashCode()](https://docs.oracle.com/javase/7/docs/api/java/util/Map.Entry.html?is-external=true#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/AbstractMapEntry.html),[V](http://docs.google.com/org/apache/commons/collections4/keyvalue/AbstractMapEntry.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) Returns: a suitable hash code

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