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org.apache.commons.collections4.map

## Class AbstractHashedMap.HashEntry<K,V>

* [java.lang.Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)
  + org.apache.commons.collections4.map.AbstractHashedMap.HashEntry<K,V>
* 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: [AbstractLinkedMap.LinkEntry](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkEntry.html), [AbstractReferenceMap.ReferenceEntry](http://docs.google.com/org/apache/commons/collections4/map/AbstractReferenceMap.ReferenceEntry.html) Enclosing class: [AbstractHashedMap](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.html)<[K](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.html),[V](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.html)>  
    
  protected static class AbstractHashedMap.HashEntry<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>  
  HashEntry used to store the data.  
  If you subclass AbstractHashedMap but not HashEntry then you will not be able to access the protected fields. The entryXxx() methods on AbstractHashedMap exist to provide the necessary access.

### Field SummaryFields

|  |  |
| --- | --- |
| * + Modifier and Type | * + Field and Description |
| * + protected int | * + [hashCode](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.html#hashCode) The hash code of the key |
| * + protected [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) | * + [key](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.html#key) The key |
| * + protected [AbstractHashedMap.HashEntry](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.html)<[K](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.html),[V](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.html)> | * + [next](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.html#next) The next entry in the hash chain |
| * + protected [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) | * + [value](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.html#value) The value |

### Constructor SummaryConstructors

|  |  |
| --- | --- |
| * + Modifier | * + Constructor and Description |
| * + protected | * + [HashEntry](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.html#HashEntry-org.apache.commons.collections4.map.AbstractHashedMap.HashEntry-int-java.lang.Object-V-)([AbstractHashedMap.HashEntry](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.html)<[K](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.html),[V](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.html)> next, int hashCode, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) key, [V](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.html) value) |

### Method SummaryAll Methods Instance Methods Concrete Methods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + boolean | * + [equals](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.html#equals-java.lang.Object-)([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) obj) |
| * + [K](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.html) | * + [getKey](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.html#getKey--)() Gets the key from the pair. |
| * + [V](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.html) | * + [getValue](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.html#getValue--)() Gets the value from the pair. |
| * + int | * + [hashCode](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.html#hashCode--)() |
| * + [V](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.html) | * + [setValue](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.html#setValue-V-)([V](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.html) value) |
| * + [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/map/AbstractHashedMap.HashEntry.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-)

### Field Detail

#### next protected [AbstractHashedMap.HashEntry](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.html)<[K](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.html),[V](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.html)> next The next entry in the hash chain

#### hashCode protected int hashCode The hash code of the key

#### key protected [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) key The key

#### value protected [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) value The value

### Constructor Detail

#### HashEntry protected HashEntry([AbstractHashedMap.HashEntry](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.html)<[K](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.html),[V](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.html)> next, int hashCode, [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) key, [V](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.html) value)

### Method Detail

#### getKey public [K](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.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/map/AbstractHashedMap.HashEntry.html),[V](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.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/map/AbstractHashedMap.HashEntry.html),[V](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.html)> Returns: the key

#### getValue public [V](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.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/map/AbstractHashedMap.HashEntry.html),[V](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.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/map/AbstractHashedMap.HashEntry.html),[V](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.html)> Returns: the value

#### setValue public [V](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.html) setValue([V](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.html) value)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/map/AbstractHashedMap.HashEntry.html),[V](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.html)>

#### equals public boolean equals([Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true) obj)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/map/AbstractHashedMap.HashEntry.html),[V](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.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/map/AbstractHashedMap.HashEntry.html),[V](http://docs.google.com/org/apache/commons/collections4/map/AbstractHashedMap.HashEntry.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)

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