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org.apache.commons.collections4.map

## Class AbstractLinkedMap.LinkMapIterator<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.AbstractLinkedMap.LinkIterator](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkIterator.html)<K,V>
    - org.apache.commons.collections4.map.AbstractLinkedMap.LinkMapIterator<K,V>
* All Implemented Interfaces: [Iterator](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true)<K>, [MapIterator](http://docs.google.com/org/apache/commons/collections4/MapIterator.html)<K,V>, [OrderedIterator](http://docs.google.com/org/apache/commons/collections4/OrderedIterator.html)<K>, [OrderedMapIterator](http://docs.google.com/org/apache/commons/collections4/OrderedMapIterator.html)<K,V>, [ResettableIterator](http://docs.google.com/org/apache/commons/collections4/ResettableIterator.html)<K> Enclosing class: [AbstractLinkedMap](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.html)<[K](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.html),[V](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.html)>  
    
  protected static class AbstractLinkedMap.LinkMapIterator<K,V>  
  extends [AbstractLinkedMap.LinkIterator](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkIterator.html)<K,V>  
  implements [OrderedMapIterator](http://docs.google.com/org/apache/commons/collections4/OrderedMapIterator.html)<K,V>, [ResettableIterator](http://docs.google.com/org/apache/commons/collections4/ResettableIterator.html)<K>  
  MapIterator implementation.

### Field Summary

### Fields inherited from class org.apache.commons.collections4.map.[**AbstractLinkedMap.LinkIterator**](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkIterator.html)[expectedModCount](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkIterator.html#expectedModCount), [last](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkIterator.html#last), [next](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkIterator.html#next), [parent](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkIterator.html#parent)

### Constructor SummaryConstructors

|  |  |
| --- | --- |
| * + Modifier | * + Constructor and Description |
| * + protected | * + [LinkMapIterator](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkMapIterator.html#LinkMapIterator-org.apache.commons.collections4.map.AbstractLinkedMap-)([AbstractLinkedMap](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.html)<[K](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkMapIterator.html),[V](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkMapIterator.html)> parent) |

### Method SummaryAll Methods Instance Methods Concrete Methods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + [K](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkMapIterator.html) | * + [getKey](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkMapIterator.html#getKey--)() Gets the current key, which is the key returned by the last call to next(). |
| * + [V](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkMapIterator.html) | * + [getValue](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkMapIterator.html#getValue--)() Gets the current value, which is the value associated with the last key returned by next(). |
| * + [K](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkMapIterator.html) | * + [next](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkMapIterator.html#next--)() Gets the next *key* from the Map. |
| * + [K](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkMapIterator.html) | * + [previous](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkMapIterator.html#previous--)() Gets the previous *key* from the Map. |
| * + [V](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkMapIterator.html) | * + [setValue](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkMapIterator.html#setValue-V-)([V](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkMapIterator.html) value) Sets the value associated with the current key (optional operation). |

### Methods inherited from class org.apache.commons.collections4.map.[**AbstractLinkedMap.LinkIterator**](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkIterator.html)[currentEntry](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkIterator.html#currentEntry--), [hasNext](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkIterator.html#hasNext--), [hasPrevious](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkIterator.html#hasPrevious--), [nextEntry](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkIterator.html#nextEntry--), [previousEntry](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkIterator.html#previousEntry--), [remove](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkIterator.html#remove--), [reset](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkIterator.html#reset--), [toString](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkIterator.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--), [equals](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#equals-java.lang.Object-), [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--), [hashCode](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true#hashCode--), [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 org.apache.commons.collections4.[**OrderedMapIterator**](http://docs.google.com/org/apache/commons/collections4/OrderedMapIterator.html)[hasPrevious](http://docs.google.com/org/apache/commons/collections4/OrderedMapIterator.html#hasPrevious--)

### Methods inherited from interface org.apache.commons.collections4.[**MapIterator**](http://docs.google.com/org/apache/commons/collections4/MapIterator.html)[hasNext](http://docs.google.com/org/apache/commons/collections4/MapIterator.html#hasNext--), [remove](http://docs.google.com/org/apache/commons/collections4/MapIterator.html#remove--)

### Methods inherited from interface java.util.[**Iterator**](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true)[forEachRemaining](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true#forEachRemaining-java.util.function.Consumer-)

### Methods inherited from interface org.apache.commons.collections4.[**ResettableIterator**](http://docs.google.com/org/apache/commons/collections4/ResettableIterator.html)[reset](http://docs.google.com/org/apache/commons/collections4/ResettableIterator.html#reset--)

### Constructor Detail

#### LinkMapIterator protected LinkMapIterator([AbstractLinkedMap](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.html)<[K](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkMapIterator.html),[V](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkMapIterator.html)> parent)

### Method Detail

#### next public [K](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkMapIterator.html) next() Description copied from interface: [MapIterator](http://docs.google.com/org/apache/commons/collections4/MapIterator.html#next--) Gets the next *key* from the Map.Specified by: [next](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true#next--) in interface [Iterator](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true)<[K](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkMapIterator.html)> Specified by: [next](http://docs.google.com/org/apache/commons/collections4/MapIterator.html#next--) in interface [MapIterator](http://docs.google.com/org/apache/commons/collections4/MapIterator.html)<[K](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkMapIterator.html),[V](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkMapIterator.html)> Returns: the next key in the iteration

#### previous public [K](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkMapIterator.html) previous() Description copied from interface: [OrderedMapIterator](http://docs.google.com/org/apache/commons/collections4/OrderedMapIterator.html#previous--) Gets the previous *key* from the Map.Specified by: [previous](http://docs.google.com/org/apache/commons/collections4/OrderedIterator.html#previous--) in interface [OrderedIterator](http://docs.google.com/org/apache/commons/collections4/OrderedIterator.html)<[K](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkMapIterator.html)> Specified by: [previous](http://docs.google.com/org/apache/commons/collections4/OrderedMapIterator.html#previous--) in interface [OrderedMapIterator](http://docs.google.com/org/apache/commons/collections4/OrderedMapIterator.html)<[K](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkMapIterator.html),[V](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkMapIterator.html)> Returns: the previous key in the iteration

#### getKey public [K](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkMapIterator.html) getKey() Description copied from interface: [MapIterator](http://docs.google.com/org/apache/commons/collections4/MapIterator.html#getKey--) Gets the current key, which is the key returned by the last call to next().Specified by: [getKey](http://docs.google.com/org/apache/commons/collections4/MapIterator.html#getKey--) in interface [MapIterator](http://docs.google.com/org/apache/commons/collections4/MapIterator.html)<[K](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkMapIterator.html),[V](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkMapIterator.html)> Returns: the current key

#### getValue public [V](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkMapIterator.html) getValue() Description copied from interface: [MapIterator](http://docs.google.com/org/apache/commons/collections4/MapIterator.html#getValue--) Gets the current value, which is the value associated with the last key returned by next().Specified by: [getValue](http://docs.google.com/org/apache/commons/collections4/MapIterator.html#getValue--) in interface [MapIterator](http://docs.google.com/org/apache/commons/collections4/MapIterator.html)<[K](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkMapIterator.html),[V](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkMapIterator.html)> Returns: the current value

#### setValue public [V](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkMapIterator.html) setValue([V](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkMapIterator.html) value) Description copied from interface: [MapIterator](http://docs.google.com/org/apache/commons/collections4/MapIterator.html#setValue-V-) Sets the value associated with the current key (optional operation).Specified by: [setValue](http://docs.google.com/org/apache/commons/collections4/MapIterator.html#setValue-V-) in interface [MapIterator](http://docs.google.com/org/apache/commons/collections4/MapIterator.html)<[K](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkMapIterator.html),[V](http://docs.google.com/org/apache/commons/collections4/map/AbstractLinkedMap.LinkMapIterator.html)> Parameters: value - the new value Returns: the previous value

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