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org.apache.commons.collections4.list

## Class AbstractLinkedList.Node<E>

* [java.lang.Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)
  + org.apache.commons.collections4.list.AbstractLinkedList.Node<E>
* Enclosing class: [AbstractLinkedList](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.html)<[E](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.html)>  
    
  protected static class AbstractLinkedList.Node<E>  
  extends [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)  
  A node within the linked list.  
  From Commons Collections 3.1, all access to the value property is via the methods on this class.

### Field SummaryFields

|  |  |
| --- | --- |
| * + Modifier and Type | * + Field and Description |
| * + protected [AbstractLinkedList.Node](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html)<[E](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html)> | * + [next](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html#next) A pointer to the node after this node |
| * + protected [AbstractLinkedList.Node](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html)<[E](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html)> | * + [previous](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html#previous) A pointer to the node before this node |
| * + protected [E](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html) | * + [value](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html#value) The object contained within this node |

### Constructor SummaryConstructors

|  |  |
| --- | --- |
| * + Modifier | * + Constructor and Description |
| * + protected | * + [Node](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html#Node--)() Constructs a new header node. |
| * + protected | * + [Node](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html#Node-org.apache.commons.collections4.list.AbstractLinkedList.Node-org.apache.commons.collections4.list.AbstractLinkedList.Node-E-)([AbstractLinkedList.Node](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html)<[E](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html)> previous, [AbstractLinkedList.Node](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html)<[E](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html)> next, [E](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html) value) Constructs a new node. |
| * + protected | * + [Node](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html#Node-E-)([E](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html) value) Constructs a new node. |

### Method SummaryAll Methods Instance Methods Concrete Methods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + protected [AbstractLinkedList.Node](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html)<[E](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html)> | * + [getNextNode](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html#getNextNode--)() Gets the next node. |
| * + protected [AbstractLinkedList.Node](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html)<[E](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html)> | * + [getPreviousNode](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html#getPreviousNode--)() Gets the previous node. |
| * + protected [E](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html) | * + [getValue](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html#getValue--)() Gets the value of the node. |
| * + protected void | * + [setNextNode](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html#setNextNode-org.apache.commons.collections4.list.AbstractLinkedList.Node-)([AbstractLinkedList.Node](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html)<[E](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html)> next) Sets the next node. |
| * + protected void | * + [setPreviousNode](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html#setPreviousNode-org.apache.commons.collections4.list.AbstractLinkedList.Node-)([AbstractLinkedList.Node](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html)<[E](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html)> previous) Sets the previous node. |
| * + protected void | * + [setValue](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html#setValue-E-)([E](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html) value) Sets the value of the node. |

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

### Field Detail

#### previous protected [AbstractLinkedList.Node](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html)<[E](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html)> previous A pointer to the node before this node

#### next protected [AbstractLinkedList.Node](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html)<[E](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html)> next A pointer to the node after this node

#### value protected [E](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html) value The object contained within this node

### Constructor Detail

#### Node protected Node() Constructs a new header node.

#### Node protected Node([E](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html) value) Constructs a new node.Parameters: value - the value to store

#### Node protected Node([AbstractLinkedList.Node](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html)<[E](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html)> previous, [AbstractLinkedList.Node](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html)<[E](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html)> next, [E](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html) value) Constructs a new node.Parameters: previous - the previous node in the list next - the next node in the list value - the value to store

### Method Detail

#### getValue protected [E](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html) getValue() Gets the value of the node.Returns: the value Since: 3.1

#### setValue protected void setValue([E](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html) value) Sets the value of the node.Parameters: value - the value Since: 3.1

#### getPreviousNode protected [AbstractLinkedList.Node](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html)<[E](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html)> getPreviousNode() Gets the previous node.Returns: the previous node Since: 3.1

#### setPreviousNode protected void setPreviousNode([AbstractLinkedList.Node](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html)<[E](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html)> previous) Sets the previous node.Parameters: previous - the previous node Since: 3.1

#### getNextNode protected [AbstractLinkedList.Node](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html)<[E](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html)> getNextNode() Gets the next node.Returns: the next node Since: 3.1

#### setNextNode protected void setNextNode([AbstractLinkedList.Node](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html)<[E](http://docs.google.com/org/apache/commons/collections4/list/AbstractLinkedList.Node.html)> next) Sets the next node.Parameters: next - the next node Since: 3.1

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