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/EnumerationIterator.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/iterators/EntrySetMapIterator.html)
* [Next Class](http://docs.google.com/org/apache/commons/collections4/iterators/FilterIterator.html)
* [Frames](http://docs.google.com/index.html?org/apache/commons/collections4/iterators/EnumerationIterator.html)
* [No Frames](http://docs.google.com/EnumerationIterator.html)
* [All Classes](http://docs.google.com/allclasses-noframe.html)
* Summary:
* Nested |
* Field |
* [Constr](#3znysh7) |
* [Method](#2et92p0)
* Detail:
* Field |
* [Constr](#1t3h5sf) |
* [Method](#3rdcrjn)

org.apache.commons.collections4.iterators

## Class EnumerationIterator<E>

* [java.lang.Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)
  + org.apache.commons.collections4.iterators.EnumerationIterator<E>
* All Implemented Interfaces: [Iterator](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true)<E>  
    
  public class EnumerationIterator<E>  
  extends [Object](https://docs.oracle.com/javase/7/docs/api/java/lang/Object.html?is-external=true)  
  implements [Iterator](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true)<E>  
  Adapter to make [Enumeration](https://docs.oracle.com/javase/7/docs/api/java/util/Enumeration.html?is-external=true) instances appear to be [Iterator](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true) instances.Since: 1.0

### Constructor SummaryConstructors

|  |
| --- |
| * + Constructor and Description |
| * + [EnumerationIterator](http://docs.google.com/org/apache/commons/collections4/iterators/EnumerationIterator.html#EnumerationIterator--)() Constructs a new EnumerationIterator that will not function until [setEnumeration(Enumeration)](http://docs.google.com/org/apache/commons/collections4/iterators/EnumerationIterator.html#setEnumeration-java.util.Enumeration-) is called. |
| * + [EnumerationIterator](http://docs.google.com/org/apache/commons/collections4/iterators/EnumerationIterator.html#EnumerationIterator-java.util.Enumeration-)([Enumeration](https://docs.oracle.com/javase/7/docs/api/java/util/Enumeration.html?is-external=true)<? extends [E](http://docs.google.com/org/apache/commons/collections4/iterators/EnumerationIterator.html)> enumeration) Constructs a new EnumerationIterator that provides an iterator view of the given enumeration. |
| * + [EnumerationIterator](http://docs.google.com/org/apache/commons/collections4/iterators/EnumerationIterator.html#EnumerationIterator-java.util.Enumeration-java.util.Collection-)([Enumeration](https://docs.oracle.com/javase/7/docs/api/java/util/Enumeration.html?is-external=true)<? extends [E](http://docs.google.com/org/apache/commons/collections4/iterators/EnumerationIterator.html)> enumeration, [Collection](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true)<? super [E](http://docs.google.com/org/apache/commons/collections4/iterators/EnumerationIterator.html)> collection) Constructs a new EnumerationIterator that will remove elements from the specified collection. |

### Method SummaryAll Methods Instance Methods Concrete Methods

|  |  |
| --- | --- |
| * + Modifier and Type | * + Method and Description |
| * + [Enumeration](https://docs.oracle.com/javase/7/docs/api/java/util/Enumeration.html?is-external=true)<? extends [E](http://docs.google.com/org/apache/commons/collections4/iterators/EnumerationIterator.html)> | * + [getEnumeration](http://docs.google.com/org/apache/commons/collections4/iterators/EnumerationIterator.html#getEnumeration--)() Returns the underlying enumeration. |
| * + boolean | * + [hasNext](http://docs.google.com/org/apache/commons/collections4/iterators/EnumerationIterator.html#hasNext--)() Returns true if the underlying enumeration has more elements. |
| * + [E](http://docs.google.com/org/apache/commons/collections4/iterators/EnumerationIterator.html) | * + [next](http://docs.google.com/org/apache/commons/collections4/iterators/EnumerationIterator.html#next--)() Returns the next object from the enumeration. |
| * + void | * + [remove](http://docs.google.com/org/apache/commons/collections4/iterators/EnumerationIterator.html#remove--)() Removes the last retrieved element if a collection is attached. |
| * + void | * + [setEnumeration](http://docs.google.com/org/apache/commons/collections4/iterators/EnumerationIterator.html#setEnumeration-java.util.Enumeration-)([Enumeration](https://docs.oracle.com/javase/7/docs/api/java/util/Enumeration.html?is-external=true)<? extends [E](http://docs.google.com/org/apache/commons/collections4/iterators/EnumerationIterator.html)> enumeration) Sets the underlying enumeration. |

### 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-)

### 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-)

### Constructor Detail

#### EnumerationIterator public EnumerationIterator() Constructs a new EnumerationIterator that will not function until [setEnumeration(Enumeration)](http://docs.google.com/org/apache/commons/collections4/iterators/EnumerationIterator.html#setEnumeration-java.util.Enumeration-) is called.

#### EnumerationIterator public EnumerationIterator([Enumeration](https://docs.oracle.com/javase/7/docs/api/java/util/Enumeration.html?is-external=true)<? extends [E](http://docs.google.com/org/apache/commons/collections4/iterators/EnumerationIterator.html)> enumeration) Constructs a new EnumerationIterator that provides an iterator view of the given enumeration.Parameters: enumeration - the enumeration to use

#### EnumerationIterator public EnumerationIterator([Enumeration](https://docs.oracle.com/javase/7/docs/api/java/util/Enumeration.html?is-external=true)<? extends [E](http://docs.google.com/org/apache/commons/collections4/iterators/EnumerationIterator.html)> enumeration, [Collection](https://docs.oracle.com/javase/7/docs/api/java/util/Collection.html?is-external=true)<? super [E](http://docs.google.com/org/apache/commons/collections4/iterators/EnumerationIterator.html)> collection) Constructs a new EnumerationIterator that will remove elements from the specified collection.Parameters: enumeration - the enumeration to use collection - the collection to remove elements from

### Method Detail

#### hasNext public boolean hasNext() Returns true if the underlying enumeration has more elements.Specified by: [hasNext](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true#hasNext--) in interface [Iterator](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true)<[E](http://docs.google.com/org/apache/commons/collections4/iterators/EnumerationIterator.html)> Returns: true if the underlying enumeration has more elements Throws: [NullPointerException](https://docs.oracle.com/javase/7/docs/api/java/lang/NullPointerException.html?is-external=true) - if the underlying enumeration is null

#### next public [E](http://docs.google.com/org/apache/commons/collections4/iterators/EnumerationIterator.html) next() Returns the next object from the enumeration.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)<[E](http://docs.google.com/org/apache/commons/collections4/iterators/EnumerationIterator.html)> Returns: the next object from the enumeration Throws: [NullPointerException](https://docs.oracle.com/javase/7/docs/api/java/lang/NullPointerException.html?is-external=true) - if the enumeration is null

#### remove public void remove() Removes the last retrieved element if a collection is attached. Functions if an associated Collection is known. If so, the first occurrence of the last returned object from this iterator will be removed from the collection.Specified by: [remove](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true#remove--) in interface [Iterator](https://docs.oracle.com/javase/7/docs/api/java/util/Iterator.html?is-external=true)<[E](http://docs.google.com/org/apache/commons/collections4/iterators/EnumerationIterator.html)> Throws: [IllegalStateException](https://docs.oracle.com/javase/7/docs/api/java/lang/IllegalStateException.html?is-external=true) - next() not called. [UnsupportedOperationException](https://docs.oracle.com/javase/7/docs/api/java/lang/UnsupportedOperationException.html?is-external=true) - if no associated collection

#### getEnumeration public [Enumeration](https://docs.oracle.com/javase/7/docs/api/java/util/Enumeration.html?is-external=true)<? extends [E](http://docs.google.com/org/apache/commons/collections4/iterators/EnumerationIterator.html)> getEnumeration() Returns the underlying enumeration.Returns: the underlying enumeration

#### setEnumeration public void setEnumeration([Enumeration](https://docs.oracle.com/javase/7/docs/api/java/util/Enumeration.html?is-external=true)<? extends [E](http://docs.google.com/org/apache/commons/collections4/iterators/EnumerationIterator.html)> enumeration) Sets the underlying enumeration.Parameters: enumeration - the new underlying enumeration

[Skip navigation links](#3j2qqm3)

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

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