| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/util/Iterator.html) | **Use** | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?java/util//class-useIterator.html)    [**NO FRAMES**](http://docs.google.com/Iterator.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Interface**

**java.util.Iterator**

| Packages that use [Iterator](http://docs.google.com/java/util/Iterator.html) | |
| --- | --- |
| [**java.applet**](#3znysh7) | Provides the classes necessary to create an applet and the classes an applet uses to communicate with its applet context. |
| [**java.awt.dnd**](#2et92p0) | Drag and Drop is a direct manipulation gesture found in many Graphical User Interface systems that provides a mechanism to transfer information between two entities logically associated with presentation elements in the GUI. |
| [**java.beans.beancontext**](#tyjcwt) | Provides classes and interfaces relating to bean context. |
| [**java.lang**](#3dy6vkm) | Provides classes that are fundamental to the design of the Java programming language. |
| [**java.nio.charset.spi**](#1t3h5sf) | Service-provider classes for the [java.nio.charset](http://docs.google.com/java/nio/charset/package-summary.html) package. |
| [**java.security.cert**](#4d34og8) | Provides classes and interfaces for parsing and managing certificates, certificate revocation lists (CRLs), and certification paths. |
| [**java.sql**](#2s8eyo1) | Provides the API for accessing and processing data stored in a data source (usually a relational database) using the JavaTM programming language. |
| [**java.util**](#17dp8vu) | Contains the collections framework, legacy collection classes, event model, date and time facilities, internationalization, and miscellaneous utility classes (a string tokenizer, a random-number generator, and a bit array). |
| [**java.util.concurrent**](#3rdcrjn) | Utility classes commonly useful in concurrent programming. |
| [**javax.imageio**](#26in1rg) | The main package of the Java Image I/O API. |
| [**javax.imageio.spi**](#lnxbz9) | A package of the Java Image I/O API containing the plug-in interfaces for readers, writers, transcoders, and streams, and a runtime registry. |
| [**javax.tools**](#35nkun2) | Provides interfaces for tools which can be invoked from a program, for example, compilers. |
| [**javax.xml.crypto**](#1ksv4uv) | Common classes for XML cryptography. |
| [**javax.xml.crypto.dom**](#44sinio) | DOM-specific classes for the [javax.xml.crypto](http://docs.google.com/javax/xml/crypto/package-summary.html) package. |
| [**javax.xml.namespace**](#2jxsxqh) | XML Namespace processing. |
| [**javax.xml.soap**](#z337ya) | Provides the API for creating and building SOAP messages. |
| [**javax.xml.stream**](#3j2qqm3) |  |
| [**javax.xml.stream.events**](#1y810tw) |  |
| [**javax.xml.stream.util**](#4i7ojhp) |  |
| [**javax.xml.ws**](#2xcytpi) | This package contains the core JAX-WS APIs. |
| [**javax.xml.ws.spi**](#1ci93xb) | This package defines SPIs for JAX-WS 2.0. |

| Uses of [Iterator](http://docs.google.com/java/util/Iterator.html) in [java.applet](http://docs.google.com/java/applet/package-summary.html) | |
| --- | --- |

| Methods in [java.applet](http://docs.google.com/java/applet/package-summary.html) that return [Iterator](http://docs.google.com/java/util/Iterator.html) | |
| --- | --- |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[String](http://docs.google.com/java/lang/String.html)> | **AppletContext.**[**getStreamKeys**](http://docs.google.com/java/applet/AppletContext.html#getStreamKeys())()            Finds all the keys of the streams in this applet context. |

| Uses of [Iterator](http://docs.google.com/java/util/Iterator.html) in [java.awt.dnd](http://docs.google.com/java/awt/dnd/package-summary.html) | |
| --- | --- |

| Methods in [java.awt.dnd](http://docs.google.com/java/awt/dnd/package-summary.html) that return [Iterator](http://docs.google.com/java/util/Iterator.html) | |
| --- | --- |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[InputEvent](http://docs.google.com/java/awt/event/InputEvent.html)> | **DragGestureEvent.**[**iterator**](http://docs.google.com/java/awt/dnd/DragGestureEvent.html#iterator())()            Returns an Iterator for the events comprising the gesture. |

| Uses of [Iterator](http://docs.google.com/java/util/Iterator.html) in [java.beans.beancontext](http://docs.google.com/java/beans/beancontext/package-summary.html) | |
| --- | --- |

| Classes in [java.beans.beancontext](http://docs.google.com/java/beans/beancontext/package-summary.html) that implement [Iterator](http://docs.google.com/java/util/Iterator.html) | |
| --- | --- |
| protected static class | [**BeanContextSupport.BCSIterator**](http://docs.google.com/java/beans/beancontext/BeanContextSupport.BCSIterator.html)            protected final subclass that encapsulates an iterator but implements a noop remove() method. |

| Methods in [java.beans.beancontext](http://docs.google.com/java/beans/beancontext/package-summary.html) that return [Iterator](http://docs.google.com/java/util/Iterator.html) | |
| --- | --- |
| protected  [Iterator](http://docs.google.com/java/util/Iterator.html) | **BeanContextSupport.**[**bcsChildren**](http://docs.google.com/java/beans/beancontext/BeanContextSupport.html#bcsChildren())()            Returns an iterator of all children of this BeanContext. |
| [Iterator](http://docs.google.com/java/util/Iterator.html) | **BeanContextServicesSupport.**[**getCurrentServiceClasses**](http://docs.google.com/java/beans/beancontext/BeanContextServicesSupport.html#getCurrentServiceClasses())() |
| [Iterator](http://docs.google.com/java/util/Iterator.html) | **BeanContextServices.**[**getCurrentServiceClasses**](http://docs.google.com/java/beans/beancontext/BeanContextServices.html#getCurrentServiceClasses())()            Gets the currently available services for this context. |
| [Iterator](http://docs.google.com/java/util/Iterator.html) | **BeanContextServiceAvailableEvent.**[**getCurrentServiceSelectors**](http://docs.google.com/java/beans/beancontext/BeanContextServiceAvailableEvent.html#getCurrentServiceSelectors())()            Gets the list of service dependent selectors. |
| [Iterator](http://docs.google.com/java/util/Iterator.html) | **BeanContextServicesSupport.BCSSProxyServiceProvider.**[**getCurrentServiceSelectors**](http://docs.google.com/java/beans/beancontext/BeanContextServicesSupport.BCSSProxyServiceProvider.html#getCurrentServiceSelectors(java.beans.beancontext.BeanContextServices,%20java.lang.Class))([BeanContextServices](http://docs.google.com/java/beans/beancontext/BeanContextServices.html) bcs, [Class](http://docs.google.com/java/lang/Class.html) serviceClass) |
| [Iterator](http://docs.google.com/java/util/Iterator.html) | **BeanContextServiceProvider.**[**getCurrentServiceSelectors**](http://docs.google.com/java/beans/beancontext/BeanContextServiceProvider.html#getCurrentServiceSelectors(java.beans.beancontext.BeanContextServices,%20java.lang.Class))([BeanContextServices](http://docs.google.com/java/beans/beancontext/BeanContextServices.html) bcs, [Class](http://docs.google.com/java/lang/Class.html) serviceClass)            Invoked by BeanContextServices, this method gets the current service selectors for the specified service. |
| [Iterator](http://docs.google.com/java/util/Iterator.html) | **BeanContextServicesSupport.**[**getCurrentServiceSelectors**](http://docs.google.com/java/beans/beancontext/BeanContextServicesSupport.html#getCurrentServiceSelectors(java.lang.Class))([Class](http://docs.google.com/java/lang/Class.html) serviceClass) |
| [Iterator](http://docs.google.com/java/util/Iterator.html) | **BeanContextServices.**[**getCurrentServiceSelectors**](http://docs.google.com/java/beans/beancontext/BeanContextServices.html#getCurrentServiceSelectors(java.lang.Class))([Class](http://docs.google.com/java/lang/Class.html) serviceClass)            Gets the list of service dependent service parameters (Service Selectors) for the specified service, by calling getCurrentServiceSelectors() on the underlying BeanContextServiceProvider. |
| [Iterator](http://docs.google.com/java/util/Iterator.html) | **BeanContextMembershipEvent.**[**iterator**](http://docs.google.com/java/beans/beancontext/BeanContextMembershipEvent.html#iterator())()            Gets the array of children affected by this event. |
| [Iterator](http://docs.google.com/java/util/Iterator.html) | **BeanContextSupport.**[**iterator**](http://docs.google.com/java/beans/beancontext/BeanContextSupport.html#iterator())()            Gets all JavaBean or BeanContext instances currently nested in this BeanContext. |

| Uses of [Iterator](http://docs.google.com/java/util/Iterator.html) in [java.lang](http://docs.google.com/java/lang/package-summary.html) | |
| --- | --- |

| Methods in [java.lang](http://docs.google.com/java/lang/package-summary.html) that return [Iterator](http://docs.google.com/java/util/Iterator.html) | |
| --- | --- |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[T](http://docs.google.com/java/lang/Iterable.html)> | **Iterable.**[**iterator**](http://docs.google.com/java/lang/Iterable.html#iterator())()            Returns an iterator over a set of elements of type T. |

| Uses of [Iterator](http://docs.google.com/java/util/Iterator.html) in [java.nio.charset.spi](http://docs.google.com/java/nio/charset/spi/package-summary.html) | |
| --- | --- |

| Methods in [java.nio.charset.spi](http://docs.google.com/java/nio/charset/spi/package-summary.html) that return [Iterator](http://docs.google.com/java/util/Iterator.html) | |
| --- | --- |
| abstract  [Iterator](http://docs.google.com/java/util/Iterator.html)<[Charset](http://docs.google.com/java/nio/charset/Charset.html)> | **CharsetProvider.**[**charsets**](http://docs.google.com/java/nio/charset/spi/CharsetProvider.html#charsets())()            Creates an iterator that iterates over the charsets supported by this provider. |

| Uses of [Iterator](http://docs.google.com/java/util/Iterator.html) in [java.security.cert](http://docs.google.com/java/security/cert/package-summary.html) | |
| --- | --- |

| Methods in [java.security.cert](http://docs.google.com/java/security/cert/package-summary.html) that return [Iterator](http://docs.google.com/java/util/Iterator.html) | |
| --- | --- |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[String](http://docs.google.com/java/lang/String.html)> | **CertificateFactorySpi.**[**engineGetCertPathEncodings**](http://docs.google.com/java/security/cert/CertificateFactorySpi.html#engineGetCertPathEncodings())()            Returns an iteration of the CertPath encodings supported by this certificate factory, with the default encoding first. |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[String](http://docs.google.com/java/lang/String.html)> | **CertificateFactory.**[**getCertPathEncodings**](http://docs.google.com/java/security/cert/CertificateFactory.html#getCertPathEncodings())()            Returns an iteration of the CertPath encodings supported by this certificate factory, with the default encoding first. |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<? extends [PolicyNode](http://docs.google.com/java/security/cert/PolicyNode.html)> | **PolicyNode.**[**getChildren**](http://docs.google.com/java/security/cert/PolicyNode.html#getChildren())()            Returns an iterator over the children of this node. |
| abstract  [Iterator](http://docs.google.com/java/util/Iterator.html)<[String](http://docs.google.com/java/lang/String.html)> | **CertPath.**[**getEncodings**](http://docs.google.com/java/security/cert/CertPath.html#getEncodings())()            Returns an iteration of the encodings supported by this certification path, with the default encoding first. |

| Uses of [Iterator](http://docs.google.com/java/util/Iterator.html) in [java.sql](http://docs.google.com/java/sql/package-summary.html) | |
| --- | --- |

| Methods in [java.sql](http://docs.google.com/java/sql/package-summary.html) that return [Iterator](http://docs.google.com/java/util/Iterator.html) | |
| --- | --- |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[Throwable](http://docs.google.com/java/lang/Throwable.html)> | **SQLException.**[**iterator**](http://docs.google.com/java/sql/SQLException.html#iterator())()            Returns an iterator over the chained SQLExceptions. |

| Uses of [Iterator](http://docs.google.com/java/util/Iterator.html) in [java.util](http://docs.google.com/java/util/package-summary.html) | |
| --- | --- |

| Subinterfaces of [Iterator](http://docs.google.com/java/util/Iterator.html) in [java.util](http://docs.google.com/java/util/package-summary.html) | |
| --- | --- |
| interface | [**ListIterator<E>**](http://docs.google.com/java/util/ListIterator.html)            An iterator for lists that allows the programmer to traverse the list in either direction, modify the list during iteration, and obtain the iterator's current position in the list. |

| Classes in [java.util](http://docs.google.com/java/util/package-summary.html) that implement [Iterator](http://docs.google.com/java/util/Iterator.html) | |
| --- | --- |
| class | [**Scanner**](http://docs.google.com/java/util/Scanner.html)            A simple text scanner which can parse primitive types and strings using regular expressions. |

| Methods in [java.util](http://docs.google.com/java/util/package-summary.html) that return [Iterator](http://docs.google.com/java/util/Iterator.html) | |
| --- | --- |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[E](http://docs.google.com/java/util/ArrayDeque.html)> | **ArrayDeque.**[**descendingIterator**](http://docs.google.com/java/util/ArrayDeque.html#descendingIterator())() |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[E](http://docs.google.com/java/util/LinkedList.html)> | **LinkedList.**[**descendingIterator**](http://docs.google.com/java/util/LinkedList.html#descendingIterator())() |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[E](http://docs.google.com/java/util/TreeSet.html)> | **TreeSet.**[**descendingIterator**](http://docs.google.com/java/util/TreeSet.html#descendingIterator())()            Returns an iterator over the elements in this set in descending order. |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[E](http://docs.google.com/java/util/NavigableSet.html)> | **NavigableSet.**[**descendingIterator**](http://docs.google.com/java/util/NavigableSet.html#descendingIterator())()            Returns an iterator over the elements in this set, in descending order. |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[E](http://docs.google.com/java/util/Deque.html)> | **Deque.**[**descendingIterator**](http://docs.google.com/java/util/Deque.html#descendingIterator())()            Returns an iterator over the elements in this deque in reverse sequential order. |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[S](http://docs.google.com/java/util/ServiceLoader.html)> | **ServiceLoader.**[**iterator**](http://docs.google.com/java/util/ServiceLoader.html#iterator())()            Lazily loads the available providers of this loader's service. |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[E](http://docs.google.com/java/util/ArrayDeque.html)> | **ArrayDeque.**[**iterator**](http://docs.google.com/java/util/ArrayDeque.html#iterator())()            Returns an iterator over the elements in this deque. |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[E](http://docs.google.com/java/util/PriorityQueue.html)> | **PriorityQueue.**[**iterator**](http://docs.google.com/java/util/PriorityQueue.html#iterator())()            Returns an iterator over the elements in this queue. |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[E](http://docs.google.com/java/util/AbstractSequentialList.html)> | **AbstractSequentialList.**[**iterator**](http://docs.google.com/java/util/AbstractSequentialList.html#iterator())()            Returns an iterator over the elements in this list (in proper sequence). |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[E](http://docs.google.com/java/util/TreeSet.html)> | **TreeSet.**[**iterator**](http://docs.google.com/java/util/TreeSet.html#iterator())()            Returns an iterator over the elements in this set in ascending order. |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[E](http://docs.google.com/java/util/HashSet.html)> | **HashSet.**[**iterator**](http://docs.google.com/java/util/HashSet.html#iterator())()            Returns an iterator over the elements in this set. |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[E](http://docs.google.com/java/util/NavigableSet.html)> | **NavigableSet.**[**iterator**](http://docs.google.com/java/util/NavigableSet.html#iterator())()            Returns an iterator over the elements in this set, in ascending order. |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[E](http://docs.google.com/java/util/Deque.html)> | **Deque.**[**iterator**](http://docs.google.com/java/util/Deque.html#iterator())()            Returns an iterator over the elements in this deque in proper sequence. |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[E](http://docs.google.com/java/util/List.html)> | **List.**[**iterator**](http://docs.google.com/java/util/List.html#iterator())()            Returns an iterator over the elements in this list in proper sequence. |
| abstract  [Iterator](http://docs.google.com/java/util/Iterator.html)<[E](http://docs.google.com/java/util/AbstractCollection.html)> | **AbstractCollection.**[**iterator**](http://docs.google.com/java/util/AbstractCollection.html#iterator())()            Returns an iterator over the elements contained in this collection. |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[E](http://docs.google.com/java/util/AbstractList.html)> | **AbstractList.**[**iterator**](http://docs.google.com/java/util/AbstractList.html#iterator())()            Returns an iterator over the elements in this list in proper sequence. |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[E](http://docs.google.com/java/util/Collection.html)> | **Collection.**[**iterator**](http://docs.google.com/java/util/Collection.html#iterator())()            Returns an iterator over the elements in this collection. |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[E](http://docs.google.com/java/util/Set.html)> | **Set.**[**iterator**](http://docs.google.com/java/util/Set.html#iterator())()            Returns an iterator over the elements in this set. |

| Uses of [Iterator](http://docs.google.com/java/util/Iterator.html) in [java.util.concurrent](http://docs.google.com/java/util/concurrent/package-summary.html) | |
| --- | --- |

| Methods in [java.util.concurrent](http://docs.google.com/java/util/concurrent/package-summary.html) that return [Iterator](http://docs.google.com/java/util/Iterator.html) | |
| --- | --- |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[E](http://docs.google.com/java/util/concurrent/LinkedBlockingDeque.html)> | **LinkedBlockingDeque.**[**descendingIterator**](http://docs.google.com/java/util/concurrent/LinkedBlockingDeque.html#descendingIterator())()            Returns an iterator over the elements in this deque in reverse sequential order. |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[E](http://docs.google.com/java/util/concurrent/ConcurrentSkipListSet.html)> | **ConcurrentSkipListSet.**[**descendingIterator**](http://docs.google.com/java/util/concurrent/ConcurrentSkipListSet.html#descendingIterator())()            Returns an iterator over the elements in this set in descending order. |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[E](http://docs.google.com/java/util/concurrent/SynchronousQueue.html)> | **SynchronousQueue.**[**iterator**](http://docs.google.com/java/util/concurrent/SynchronousQueue.html#iterator())()            Returns an empty iterator in which hasNext always returns false. |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[E](http://docs.google.com/java/util/concurrent/PriorityBlockingQueue.html)> | **PriorityBlockingQueue.**[**iterator**](http://docs.google.com/java/util/concurrent/PriorityBlockingQueue.html#iterator())()            Returns an iterator over the elements in this queue. |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[E](http://docs.google.com/java/util/concurrent/LinkedBlockingQueue.html)> | **LinkedBlockingQueue.**[**iterator**](http://docs.google.com/java/util/concurrent/LinkedBlockingQueue.html#iterator())()            Returns an iterator over the elements in this queue in proper sequence. |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[E](http://docs.google.com/java/util/concurrent/LinkedBlockingDeque.html)> | **LinkedBlockingDeque.**[**iterator**](http://docs.google.com/java/util/concurrent/LinkedBlockingDeque.html#iterator())()            Returns an iterator over the elements in this deque in proper sequence. |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[E](http://docs.google.com/java/util/concurrent/DelayQueue.html)> | **DelayQueue.**[**iterator**](http://docs.google.com/java/util/concurrent/DelayQueue.html#iterator())()            Returns an iterator over all the elements (both expired and unexpired) in this queue. |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[E](http://docs.google.com/java/util/concurrent/CopyOnWriteArraySet.html)> | **CopyOnWriteArraySet.**[**iterator**](http://docs.google.com/java/util/concurrent/CopyOnWriteArraySet.html#iterator())()            Returns an iterator over the elements contained in this set in the order in which these elements were added. |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[E](http://docs.google.com/java/util/concurrent/CopyOnWriteArrayList.html)> | **CopyOnWriteArrayList.**[**iterator**](http://docs.google.com/java/util/concurrent/CopyOnWriteArrayList.html#iterator())()            Returns an iterator over the elements in this list in proper sequence. |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[E](http://docs.google.com/java/util/concurrent/ConcurrentSkipListSet.html)> | **ConcurrentSkipListSet.**[**iterator**](http://docs.google.com/java/util/concurrent/ConcurrentSkipListSet.html#iterator())()            Returns an iterator over the elements in this set in ascending order. |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[E](http://docs.google.com/java/util/concurrent/ConcurrentLinkedQueue.html)> | **ConcurrentLinkedQueue.**[**iterator**](http://docs.google.com/java/util/concurrent/ConcurrentLinkedQueue.html#iterator())()            Returns an iterator over the elements in this queue in proper sequence. |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[E](http://docs.google.com/java/util/concurrent/BlockingDeque.html)> | **BlockingDeque.**[**iterator**](http://docs.google.com/java/util/concurrent/BlockingDeque.html#iterator())()            Returns an iterator over the elements in this deque in proper sequence. |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[E](http://docs.google.com/java/util/concurrent/ArrayBlockingQueue.html)> | **ArrayBlockingQueue.**[**iterator**](http://docs.google.com/java/util/concurrent/ArrayBlockingQueue.html#iterator())()            Returns an iterator over the elements in this queue in proper sequence. |

| Uses of [Iterator](http://docs.google.com/java/util/Iterator.html) in [javax.imageio](http://docs.google.com/javax/imageio/package-summary.html) | |
| --- | --- |

| Methods in [javax.imageio](http://docs.google.com/javax/imageio/package-summary.html) that return [Iterator](http://docs.google.com/java/util/Iterator.html) | |
| --- | --- |
| static [Iterator](http://docs.google.com/java/util/Iterator.html)<[ImageReader](http://docs.google.com/javax/imageio/ImageReader.html)> | **ImageIO.**[**getImageReaders**](http://docs.google.com/javax/imageio/ImageIO.html#getImageReaders(java.lang.Object))([Object](http://docs.google.com/java/lang/Object.html) input)            Returns an Iterator containing all currently registered ImageReaders that claim to be able to decode the supplied Object, typically an ImageInputStream. |
| static [Iterator](http://docs.google.com/java/util/Iterator.html)<[ImageReader](http://docs.google.com/javax/imageio/ImageReader.html)> | **ImageIO.**[**getImageReadersByFormatName**](http://docs.google.com/javax/imageio/ImageIO.html#getImageReadersByFormatName(java.lang.String))([String](http://docs.google.com/java/lang/String.html) formatName)            Returns an Iterator containing all currently registered ImageReaders that claim to be able to decode the named format. |
| static [Iterator](http://docs.google.com/java/util/Iterator.html)<[ImageReader](http://docs.google.com/javax/imageio/ImageReader.html)> | **ImageIO.**[**getImageReadersByMIMEType**](http://docs.google.com/javax/imageio/ImageIO.html#getImageReadersByMIMEType(java.lang.String))([String](http://docs.google.com/java/lang/String.html) MIMEType)            Returns an Iterator containing all currently registered ImageReaders that claim to be able to decode files with the given MIME type. |
| static [Iterator](http://docs.google.com/java/util/Iterator.html)<[ImageReader](http://docs.google.com/javax/imageio/ImageReader.html)> | **ImageIO.**[**getImageReadersBySuffix**](http://docs.google.com/javax/imageio/ImageIO.html#getImageReadersBySuffix(java.lang.String))([String](http://docs.google.com/java/lang/String.html) fileSuffix)            Returns an Iterator containing all currently registered ImageReaders that claim to be able to decode files with the given suffix. |
| static [Iterator](http://docs.google.com/java/util/Iterator.html)<[ImageTranscoder](http://docs.google.com/javax/imageio/ImageTranscoder.html)> | **ImageIO.**[**getImageTranscoders**](http://docs.google.com/javax/imageio/ImageIO.html#getImageTranscoders(javax.imageio.ImageReader,%20javax.imageio.ImageWriter))([ImageReader](http://docs.google.com/javax/imageio/ImageReader.html) reader, [ImageWriter](http://docs.google.com/javax/imageio/ImageWriter.html) writer)            Returns an Iterator containing all currently registered ImageTranscoders that claim to be able to transcode between the metadata of the given ImageReader and ImageWriter. |
| abstract  [Iterator](http://docs.google.com/java/util/Iterator.html)<[ImageTypeSpecifier](http://docs.google.com/javax/imageio/ImageTypeSpecifier.html)> | **ImageReader.**[**getImageTypes**](http://docs.google.com/javax/imageio/ImageReader.html#getImageTypes(int))(int imageIndex)            Returns an Iterator containing possible image types to which the given image may be decoded, in the form of ImageTypeSpecifierss. |
| static [Iterator](http://docs.google.com/java/util/Iterator.html)<[ImageWriter](http://docs.google.com/javax/imageio/ImageWriter.html)> | **ImageIO.**[**getImageWriters**](http://docs.google.com/javax/imageio/ImageIO.html#getImageWriters(javax.imageio.ImageTypeSpecifier,%20java.lang.String))([ImageTypeSpecifier](http://docs.google.com/javax/imageio/ImageTypeSpecifier.html) type, [String](http://docs.google.com/java/lang/String.html) formatName)            Returns an Iterator containing all currently registered ImageWriters that claim to be able to encode images of the given layout (specified using an ImageTypeSpecifier) in the given format. |
| static [Iterator](http://docs.google.com/java/util/Iterator.html)<[ImageWriter](http://docs.google.com/javax/imageio/ImageWriter.html)> | **ImageIO.**[**getImageWritersByFormatName**](http://docs.google.com/javax/imageio/ImageIO.html#getImageWritersByFormatName(java.lang.String))([String](http://docs.google.com/java/lang/String.html) formatName)            Returns an Iterator containing all currently registered ImageWriters that claim to be able to encode the named format. |
| static [Iterator](http://docs.google.com/java/util/Iterator.html)<[ImageWriter](http://docs.google.com/javax/imageio/ImageWriter.html)> | **ImageIO.**[**getImageWritersByMIMEType**](http://docs.google.com/javax/imageio/ImageIO.html#getImageWritersByMIMEType(java.lang.String))([String](http://docs.google.com/java/lang/String.html) MIMEType)            Returns an Iterator containing all currently registered ImageWriters that claim to be able to encode files with the given MIME type. |
| static [Iterator](http://docs.google.com/java/util/Iterator.html)<[ImageWriter](http://docs.google.com/javax/imageio/ImageWriter.html)> | **ImageIO.**[**getImageWritersBySuffix**](http://docs.google.com/javax/imageio/ImageIO.html#getImageWritersBySuffix(java.lang.String))([String](http://docs.google.com/java/lang/String.html) fileSuffix)            Returns an Iterator containing all currently registered ImageWriters that claim to be able to encode files with the given suffix. |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[IIOImage](http://docs.google.com/javax/imageio/IIOImage.html)> | **ImageReader.**[**readAll**](http://docs.google.com/javax/imageio/ImageReader.html#readAll(java.util.Iterator))([Iterator](http://docs.google.com/java/util/Iterator.html)<? extends [ImageReadParam](http://docs.google.com/javax/imageio/ImageReadParam.html)> params)            Returns an Iterator containing all the images, thumbnails, and metadata, starting at the index given by getMinIndex, from the input source in the form of IIOImage objects. |

| Methods in [javax.imageio](http://docs.google.com/javax/imageio/package-summary.html) with parameters of type [Iterator](http://docs.google.com/java/util/Iterator.html) | |
| --- | --- |
| protected static [BufferedImage](http://docs.google.com/java/awt/image/BufferedImage.html) | **ImageReader.**[**getDestination**](http://docs.google.com/javax/imageio/ImageReader.html#getDestination(javax.imageio.ImageReadParam,%20java.util.Iterator,%20int,%20int))([ImageReadParam](http://docs.google.com/javax/imageio/ImageReadParam.html) param, [Iterator](http://docs.google.com/java/util/Iterator.html)<[ImageTypeSpecifier](http://docs.google.com/javax/imageio/ImageTypeSpecifier.html)> imageTypes, int width, int height)            Returns the BufferedImage to which decoded pixel data should be written. |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[IIOImage](http://docs.google.com/javax/imageio/IIOImage.html)> | **ImageReader.**[**readAll**](http://docs.google.com/javax/imageio/ImageReader.html#readAll(java.util.Iterator))([Iterator](http://docs.google.com/java/util/Iterator.html)<? extends [ImageReadParam](http://docs.google.com/javax/imageio/ImageReadParam.html)> params)            Returns an Iterator containing all the images, thumbnails, and metadata, starting at the index given by getMinIndex, from the input source in the form of IIOImage objects. |

| Uses of [Iterator](http://docs.google.com/java/util/Iterator.html) in [javax.imageio.spi](http://docs.google.com/javax/imageio/spi/package-summary.html) | |
| --- | --- |

| Methods in [javax.imageio.spi](http://docs.google.com/javax/imageio/spi/package-summary.html) that return [Iterator](http://docs.google.com/java/util/Iterator.html) | |
| --- | --- |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[Class](http://docs.google.com/java/lang/Class.html)<?>> | **ServiceRegistry.**[**getCategories**](http://docs.google.com/javax/imageio/spi/ServiceRegistry.html#getCategories())()            Returns an Iterator of Class objects indicating the current set of categories. |
| | <T> [Iterator](http://docs.google.com/java/util/Iterator.html)<T> | | --- | | **ServiceRegistry.**[**getServiceProviders**](http://docs.google.com/javax/imageio/spi/ServiceRegistry.html#getServiceProviders(java.lang.Class,%20boolean))([Class](http://docs.google.com/java/lang/Class.html)<T> category, boolean useOrdering)            Returns an Iterator containing all registered service providers in the given category. |
| | <T> [Iterator](http://docs.google.com/java/util/Iterator.html)<T> | | --- | | **ServiceRegistry.**[**getServiceProviders**](http://docs.google.com/javax/imageio/spi/ServiceRegistry.html#getServiceProviders(java.lang.Class,%20javax.imageio.spi.ServiceRegistry.Filter,%20boolean))([Class](http://docs.google.com/java/lang/Class.html)<T> category, [ServiceRegistry.Filter](http://docs.google.com/javax/imageio/spi/ServiceRegistry.Filter.html) filter, boolean useOrdering)            Returns an Iterator containing service provider objects within a given category that satisfy a criterion imposed by the supplied ServiceRegistry.Filter object's filter method. |
| static   | <T> [Iterator](http://docs.google.com/java/util/Iterator.html)<T> | | --- | | **ServiceRegistry.**[**lookupProviders**](http://docs.google.com/javax/imageio/spi/ServiceRegistry.html#lookupProviders(java.lang.Class))([Class](http://docs.google.com/java/lang/Class.html)<T> providerClass)            Locates and incrementally instantiates the available providers of a given service using the context class loader. |
| static   | <T> [Iterator](http://docs.google.com/java/util/Iterator.html)<T> | | --- | | **ServiceRegistry.**[**lookupProviders**](http://docs.google.com/javax/imageio/spi/ServiceRegistry.html#lookupProviders(java.lang.Class,%20java.lang.ClassLoader))([Class](http://docs.google.com/java/lang/Class.html)<T> providerClass, [ClassLoader](http://docs.google.com/java/lang/ClassLoader.html) loader)            Searches for implementations of a particular service class using the given class loader. |

| Methods in [javax.imageio.spi](http://docs.google.com/javax/imageio/spi/package-summary.html) with parameters of type [Iterator](http://docs.google.com/java/util/Iterator.html) | |
| --- | --- |
| void | **ServiceRegistry.**[**registerServiceProviders**](http://docs.google.com/javax/imageio/spi/ServiceRegistry.html#registerServiceProviders(java.util.Iterator))([Iterator](http://docs.google.com/java/util/Iterator.html)<?> providers)            Adds a set of service provider objects, taken from an Iterator to the registry. |

| Constructors in [javax.imageio.spi](http://docs.google.com/javax/imageio/spi/package-summary.html) with parameters of type [Iterator](http://docs.google.com/java/util/Iterator.html) | |
| --- | --- |
| [**ServiceRegistry**](http://docs.google.com/javax/imageio/spi/ServiceRegistry.html#ServiceRegistry(java.util.Iterator))([Iterator](http://docs.google.com/java/util/Iterator.html)<[Class](http://docs.google.com/java/lang/Class.html)<?>> categories)            Constructs a ServiceRegistry instance with a set of categories taken from the categories argument. |

| Uses of [Iterator](http://docs.google.com/java/util/Iterator.html) in [javax.tools](http://docs.google.com/javax/tools/package-summary.html) | |
| --- | --- |

| Methods in [javax.tools](http://docs.google.com/javax/tools/package-summary.html) with parameters of type [Iterator](http://docs.google.com/java/util/Iterator.html) | |
| --- | --- |
| boolean | **ForwardingJavaFileManager.**[**handleOption**](http://docs.google.com/javax/tools/ForwardingJavaFileManager.html#handleOption(java.lang.String,%20java.util.Iterator))([String](http://docs.google.com/java/lang/String.html) current, [Iterator](http://docs.google.com/java/util/Iterator.html)<[String](http://docs.google.com/java/lang/String.html)> remaining) |
| boolean | **JavaFileManager.**[**handleOption**](http://docs.google.com/javax/tools/JavaFileManager.html#handleOption(java.lang.String,%20java.util.Iterator))([String](http://docs.google.com/java/lang/String.html) current, [Iterator](http://docs.google.com/java/util/Iterator.html)<[String](http://docs.google.com/java/lang/String.html)> remaining)            Handles one option. |

| Uses of [Iterator](http://docs.google.com/java/util/Iterator.html) in [javax.xml.crypto](http://docs.google.com/javax/xml/crypto/package-summary.html) | |
| --- | --- |

| Methods in [javax.xml.crypto](http://docs.google.com/javax/xml/crypto/package-summary.html) that return [Iterator](http://docs.google.com/java/util/Iterator.html) | |
| --- | --- |
| [Iterator](http://docs.google.com/java/util/Iterator.html) | **NodeSetData.**[**iterator**](http://docs.google.com/javax/xml/crypto/NodeSetData.html#iterator())()            Returns a read-only iterator over the nodes contained in this NodeSetData in  [document order](http://www.w3.org/TR/1999/REC-xpath-19991116#dt-document-order). |

| Uses of [Iterator](http://docs.google.com/java/util/Iterator.html) in [javax.xml.crypto.dom](http://docs.google.com/javax/xml/crypto/dom/package-summary.html) | |
| --- | --- |

| Methods in [javax.xml.crypto.dom](http://docs.google.com/javax/xml/crypto/dom/package-summary.html) that return [Iterator](http://docs.google.com/java/util/Iterator.html) | |
| --- | --- |
| [Iterator](http://docs.google.com/java/util/Iterator.html) | **DOMCryptoContext.**[**iterator**](http://docs.google.com/javax/xml/crypto/dom/DOMCryptoContext.html#iterator())()            Returns a read-only iterator over the set of Id/Element mappings of this DOMCryptoContext. |

| Uses of [Iterator](http://docs.google.com/java/util/Iterator.html) in [javax.xml.namespace](http://docs.google.com/javax/xml/namespace/package-summary.html) | |
| --- | --- |

| Methods in [javax.xml.namespace](http://docs.google.com/javax/xml/namespace/package-summary.html) that return [Iterator](http://docs.google.com/java/util/Iterator.html) | |
| --- | --- |
| [Iterator](http://docs.google.com/java/util/Iterator.html) | **NamespaceContext.**[**getPrefixes**](http://docs.google.com/javax/xml/namespace/NamespaceContext.html#getPrefixes(java.lang.String))([String](http://docs.google.com/java/lang/String.html) namespaceURI)            Get all prefixes bound to a Namespace URI in the current scope. |

| Uses of [Iterator](http://docs.google.com/java/util/Iterator.html) in [javax.xml.soap](http://docs.google.com/javax/xml/soap/package-summary.html) | |
| --- | --- |

| Methods in [javax.xml.soap](http://docs.google.com/javax/xml/soap/package-summary.html) that return [Iterator](http://docs.google.com/java/util/Iterator.html) | |
| --- | --- |
| [Iterator](http://docs.google.com/java/util/Iterator.html) | **SOAPHeader.**[**examineAllHeaderElements**](http://docs.google.com/javax/xml/soap/SOAPHeader.html#examineAllHeaderElements())()            Returns an Iterator over all the SOAPHeaderElement objects in this SOAPHeader object. |
| [Iterator](http://docs.google.com/java/util/Iterator.html) | **SOAPHeader.**[**examineHeaderElements**](http://docs.google.com/javax/xml/soap/SOAPHeader.html#examineHeaderElements(java.lang.String))([String](http://docs.google.com/java/lang/String.html) actor)            Returns an Iterator over all the SOAPHeaderElement objects in this SOAPHeader object that have the specified *actor*. |
| [Iterator](http://docs.google.com/java/util/Iterator.html) | **SOAPHeader.**[**examineMustUnderstandHeaderElements**](http://docs.google.com/javax/xml/soap/SOAPHeader.html#examineMustUnderstandHeaderElements(java.lang.String))([String](http://docs.google.com/java/lang/String.html) actor)            Returns an Iterator over all the SOAPHeaderElement objects in this SOAPHeader object that have the specified *actor* and that have a MustUnderstand attribute whose value is equivalent to true. |
| [Iterator](http://docs.google.com/java/util/Iterator.html) | **SOAPHeader.**[**extractAllHeaderElements**](http://docs.google.com/javax/xml/soap/SOAPHeader.html#extractAllHeaderElements())()            Returns an Iterator over all the SOAPHeaderElement objects in this SOAPHeader object and detaches them from this SOAPHeader object. |
| [Iterator](http://docs.google.com/java/util/Iterator.html) | **SOAPHeader.**[**extractHeaderElements**](http://docs.google.com/javax/xml/soap/SOAPHeader.html#extractHeaderElements(java.lang.String))([String](http://docs.google.com/java/lang/String.html) actor)            Returns an Iterator over all the SOAPHeaderElement objects in this SOAPHeader object that have the specified *actor* and detaches them from this SOAPHeader object. |
| [Iterator](http://docs.google.com/java/util/Iterator.html) | **SOAPElement.**[**getAllAttributes**](http://docs.google.com/javax/xml/soap/SOAPElement.html#getAllAttributes())()            Returns an Iterator over all of the attribute Name objects in this SOAPElement object. |
| [Iterator](http://docs.google.com/java/util/Iterator.html) | **SOAPElement.**[**getAllAttributesAsQNames**](http://docs.google.com/javax/xml/soap/SOAPElement.html#getAllAttributesAsQNames())()            Returns an Iterator over all of the attributes in this SOAPElement as QName objects. |
| [Iterator](http://docs.google.com/java/util/Iterator.html) | **MimeHeaders.**[**getAllHeaders**](http://docs.google.com/javax/xml/soap/MimeHeaders.html#getAllHeaders())()            Returns all the MimeHeaders in this MimeHeaders object. |
| abstract  [Iterator](http://docs.google.com/java/util/Iterator.html) | **SOAPPart.**[**getAllMimeHeaders**](http://docs.google.com/javax/xml/soap/SOAPPart.html#getAllMimeHeaders())()            Retrieves all the headers for this SOAPPart object as an iterator over the MimeHeader objects. |
| abstract  [Iterator](http://docs.google.com/java/util/Iterator.html) | **AttachmentPart.**[**getAllMimeHeaders**](http://docs.google.com/javax/xml/soap/AttachmentPart.html#getAllMimeHeaders())()            Retrieves all the headers for this AttachmentPart object as an iterator over the MimeHeader objects. |
| abstract  [Iterator](http://docs.google.com/java/util/Iterator.html) | **SOAPMessage.**[**getAttachments**](http://docs.google.com/javax/xml/soap/SOAPMessage.html#getAttachments())()            Retrieves all the AttachmentPart objects that are part of this SOAPMessage object. |
| abstract  [Iterator](http://docs.google.com/java/util/Iterator.html) | **SOAPMessage.**[**getAttachments**](http://docs.google.com/javax/xml/soap/SOAPMessage.html#getAttachments(javax.xml.soap.MimeHeaders))([MimeHeaders](http://docs.google.com/javax/xml/soap/MimeHeaders.html) headers)            Retrieves all the AttachmentPart objects that have header entries that match the specified headers. |
| [Iterator](http://docs.google.com/java/util/Iterator.html) | **SOAPElement.**[**getChildElements**](http://docs.google.com/javax/xml/soap/SOAPElement.html#getChildElements())()            Returns an Iterator over all the immediate child [Node](http://docs.google.com/javax/xml/soap/Node.html)s of this element. |
| [Iterator](http://docs.google.com/java/util/Iterator.html) | **SOAPElement.**[**getChildElements**](http://docs.google.com/javax/xml/soap/SOAPElement.html#getChildElements(javax.xml.soap.Name))([Name](http://docs.google.com/javax/xml/soap/Name.html) name)            Returns an Iterator over all the immediate child [Node](http://docs.google.com/javax/xml/soap/Node.html)s of this element with the specified name. |
| [Iterator](http://docs.google.com/java/util/Iterator.html) | **SOAPElement.**[**getChildElements**](http://docs.google.com/javax/xml/soap/SOAPElement.html#getChildElements(javax.xml.namespace.QName))([QName](http://docs.google.com/javax/xml/namespace/QName.html) qname)            Returns an Iterator over all the immediate child [Node](http://docs.google.com/javax/xml/soap/Node.html)s of this element with the specified qname. |
| [Iterator](http://docs.google.com/java/util/Iterator.html) | **Detail.**[**getDetailEntries**](http://docs.google.com/javax/xml/soap/Detail.html#getDetailEntries())()            Gets an Iterator over all of the DetailEntrys in this Detail object. |
| [Iterator](http://docs.google.com/java/util/Iterator.html) | **SOAPFault.**[**getFaultReasonLocales**](http://docs.google.com/javax/xml/soap/SOAPFault.html#getFaultReasonLocales())()            Returns an Iterator over a distinct sequence of Locales for which there are associated Reason Text items. |
| [Iterator](http://docs.google.com/java/util/Iterator.html) | **SOAPFault.**[**getFaultReasonTexts**](http://docs.google.com/javax/xml/soap/SOAPFault.html#getFaultReasonTexts())()            Returns an Iterator over a sequence of String objects containing all of the Reason Text items for this SOAPFault. |
| [Iterator](http://docs.google.com/java/util/Iterator.html) | **SOAPFault.**[**getFaultSubcodes**](http://docs.google.com/javax/xml/soap/SOAPFault.html#getFaultSubcodes())()            Gets the Subcodes for this SOAPFault as an iterator over QNames. |
| [Iterator](http://docs.google.com/java/util/Iterator.html) | **MimeHeaders.**[**getMatchingHeaders**](http://docs.google.com/javax/xml/soap/MimeHeaders.html#getMatchingHeaders(java.lang.String%5B%5D))([String](http://docs.google.com/java/lang/String.html)[] names)            Returns all the MimeHeader objects whose name matches a name in the given array of names. |
| abstract  [Iterator](http://docs.google.com/java/util/Iterator.html) | **SOAPPart.**[**getMatchingMimeHeaders**](http://docs.google.com/javax/xml/soap/SOAPPart.html#getMatchingMimeHeaders(java.lang.String%5B%5D))([String](http://docs.google.com/java/lang/String.html)[] names)            Retrieves all MimeHeader objects that match a name in the given array. |
| abstract  [Iterator](http://docs.google.com/java/util/Iterator.html) | **AttachmentPart.**[**getMatchingMimeHeaders**](http://docs.google.com/javax/xml/soap/AttachmentPart.html#getMatchingMimeHeaders(java.lang.String%5B%5D))([String](http://docs.google.com/java/lang/String.html)[] names)            Retrieves all MimeHeader objects that match a name in the given array. |
| [Iterator](http://docs.google.com/java/util/Iterator.html) | **SOAPElement.**[**getNamespacePrefixes**](http://docs.google.com/javax/xml/soap/SOAPElement.html#getNamespacePrefixes())()            Returns an Iterator over the namespace prefix Strings declared by this element. |
| [Iterator](http://docs.google.com/java/util/Iterator.html) | **MimeHeaders.**[**getNonMatchingHeaders**](http://docs.google.com/javax/xml/soap/MimeHeaders.html#getNonMatchingHeaders(java.lang.String%5B%5D))([String](http://docs.google.com/java/lang/String.html)[] names)            Returns all of the MimeHeader objects whose name does not match a name in the given array of names. |
| abstract  [Iterator](http://docs.google.com/java/util/Iterator.html) | **SOAPPart.**[**getNonMatchingMimeHeaders**](http://docs.google.com/javax/xml/soap/SOAPPart.html#getNonMatchingMimeHeaders(java.lang.String%5B%5D))([String](http://docs.google.com/java/lang/String.html)[] names)            Retrieves all MimeHeader objects whose name does not match a name in the given array. |
| abstract  [Iterator](http://docs.google.com/java/util/Iterator.html) | **AttachmentPart.**[**getNonMatchingMimeHeaders**](http://docs.google.com/javax/xml/soap/AttachmentPart.html#getNonMatchingMimeHeaders(java.lang.String%5B%5D))([String](http://docs.google.com/java/lang/String.html)[] names)            Retrieves all MimeHeader objects whose name does not match a name in the given array. |
| [Iterator](http://docs.google.com/java/util/Iterator.html) | **SOAPElement.**[**getVisibleNamespacePrefixes**](http://docs.google.com/javax/xml/soap/SOAPElement.html#getVisibleNamespacePrefixes())()            Returns an Iterator over the namespace prefix Strings visible to this element. |

| Methods in [javax.xml.soap](http://docs.google.com/javax/xml/soap/package-summary.html) with parameters of type [Iterator](http://docs.google.com/java/util/Iterator.html) | |
| --- | --- |
| [SOAPHeaderElement](http://docs.google.com/javax/xml/soap/SOAPHeaderElement.html) | **SOAPHeader.**[**addUpgradeHeaderElement**](http://docs.google.com/javax/xml/soap/SOAPHeader.html#addUpgradeHeaderElement(java.util.Iterator))([Iterator](http://docs.google.com/java/util/Iterator.html) supportedSOAPURIs)            Creates a new Upgrade SOAPHeaderElement object initialized with the specified List of supported SOAP URIs and adds it to this SOAPHeader object. |

| Uses of [Iterator](http://docs.google.com/java/util/Iterator.html) in [javax.xml.stream](http://docs.google.com/javax/xml/stream/package-summary.html) | |
| --- | --- |

| Subinterfaces of [Iterator](http://docs.google.com/java/util/Iterator.html) in [javax.xml.stream](http://docs.google.com/javax/xml/stream/package-summary.html) | |
| --- | --- |
| interface | [**XMLEventReader**](http://docs.google.com/javax/xml/stream/XMLEventReader.html)            This is the top level interface for parsing XML Events. |

| Methods in [javax.xml.stream](http://docs.google.com/javax/xml/stream/package-summary.html) with parameters of type [Iterator](http://docs.google.com/java/util/Iterator.html) | |
| --- | --- |
| abstract  [EndElement](http://docs.google.com/javax/xml/stream/events/EndElement.html) | **XMLEventFactory.**[**createEndElement**](http://docs.google.com/javax/xml/stream/XMLEventFactory.html#createEndElement(javax.xml.namespace.QName,%20java.util.Iterator))([QName](http://docs.google.com/javax/xml/namespace/QName.html) name, [Iterator](http://docs.google.com/java/util/Iterator.html) namespaces)            Create a new EndElement |
| abstract  [EndElement](http://docs.google.com/javax/xml/stream/events/EndElement.html) | **XMLEventFactory.**[**createEndElement**](http://docs.google.com/javax/xml/stream/XMLEventFactory.html#createEndElement(java.lang.String,%20java.lang.String,%20java.lang.String,%20java.util.Iterator))([String](http://docs.google.com/java/lang/String.html) prefix, [String](http://docs.google.com/java/lang/String.html) namespaceUri, [String](http://docs.google.com/java/lang/String.html) localName, [Iterator](http://docs.google.com/java/util/Iterator.html) namespaces)            Create a new EndElement |
| abstract  [StartElement](http://docs.google.com/javax/xml/stream/events/StartElement.html) | **XMLEventFactory.**[**createStartElement**](http://docs.google.com/javax/xml/stream/XMLEventFactory.html#createStartElement(javax.xml.namespace.QName,%20java.util.Iterator,%20java.util.Iterator))([QName](http://docs.google.com/javax/xml/namespace/QName.html) name, [Iterator](http://docs.google.com/java/util/Iterator.html) attributes, [Iterator](http://docs.google.com/java/util/Iterator.html) namespaces)            Create a new StartElement. |
| abstract  [StartElement](http://docs.google.com/javax/xml/stream/events/StartElement.html) | **XMLEventFactory.**[**createStartElement**](http://docs.google.com/javax/xml/stream/XMLEventFactory.html#createStartElement(javax.xml.namespace.QName,%20java.util.Iterator,%20java.util.Iterator))([QName](http://docs.google.com/javax/xml/namespace/QName.html) name, [Iterator](http://docs.google.com/java/util/Iterator.html) attributes, [Iterator](http://docs.google.com/java/util/Iterator.html) namespaces)            Create a new StartElement. |
| abstract  [StartElement](http://docs.google.com/javax/xml/stream/events/StartElement.html) | **XMLEventFactory.**[**createStartElement**](http://docs.google.com/javax/xml/stream/XMLEventFactory.html#createStartElement(java.lang.String,%20java.lang.String,%20java.lang.String,%20java.util.Iterator,%20java.util.Iterator))([String](http://docs.google.com/java/lang/String.html) prefix, [String](http://docs.google.com/java/lang/String.html) namespaceUri, [String](http://docs.google.com/java/lang/String.html) localName, [Iterator](http://docs.google.com/java/util/Iterator.html) attributes, [Iterator](http://docs.google.com/java/util/Iterator.html) namespaces)            Create a new StartElement. |
| abstract  [StartElement](http://docs.google.com/javax/xml/stream/events/StartElement.html) | **XMLEventFactory.**[**createStartElement**](http://docs.google.com/javax/xml/stream/XMLEventFactory.html#createStartElement(java.lang.String,%20java.lang.String,%20java.lang.String,%20java.util.Iterator,%20java.util.Iterator))([String](http://docs.google.com/java/lang/String.html) prefix, [String](http://docs.google.com/java/lang/String.html) namespaceUri, [String](http://docs.google.com/java/lang/String.html) localName, [Iterator](http://docs.google.com/java/util/Iterator.html) attributes, [Iterator](http://docs.google.com/java/util/Iterator.html) namespaces)            Create a new StartElement. |
| abstract  [StartElement](http://docs.google.com/javax/xml/stream/events/StartElement.html) | **XMLEventFactory.**[**createStartElement**](http://docs.google.com/javax/xml/stream/XMLEventFactory.html#createStartElement(java.lang.String,%20java.lang.String,%20java.lang.String,%20java.util.Iterator,%20java.util.Iterator,%20javax.xml.namespace.NamespaceContext))([String](http://docs.google.com/java/lang/String.html) prefix, [String](http://docs.google.com/java/lang/String.html) namespaceUri, [String](http://docs.google.com/java/lang/String.html) localName, [Iterator](http://docs.google.com/java/util/Iterator.html) attributes, [Iterator](http://docs.google.com/java/util/Iterator.html) namespaces, [NamespaceContext](http://docs.google.com/javax/xml/namespace/NamespaceContext.html) context)            Create a new StartElement. |
| abstract  [StartElement](http://docs.google.com/javax/xml/stream/events/StartElement.html) | **XMLEventFactory.**[**createStartElement**](http://docs.google.com/javax/xml/stream/XMLEventFactory.html#createStartElement(java.lang.String,%20java.lang.String,%20java.lang.String,%20java.util.Iterator,%20java.util.Iterator,%20javax.xml.namespace.NamespaceContext))([String](http://docs.google.com/java/lang/String.html) prefix, [String](http://docs.google.com/java/lang/String.html) namespaceUri, [String](http://docs.google.com/java/lang/String.html) localName, [Iterator](http://docs.google.com/java/util/Iterator.html) attributes, [Iterator](http://docs.google.com/java/util/Iterator.html) namespaces, [NamespaceContext](http://docs.google.com/javax/xml/namespace/NamespaceContext.html) context)            Create a new StartElement. |

| Uses of [Iterator](http://docs.google.com/java/util/Iterator.html) in [javax.xml.stream.events](http://docs.google.com/javax/xml/stream/events/package-summary.html) | |
| --- | --- |

| Methods in [javax.xml.stream.events](http://docs.google.com/javax/xml/stream/events/package-summary.html) that return [Iterator](http://docs.google.com/java/util/Iterator.html) | |
| --- | --- |
| [Iterator](http://docs.google.com/java/util/Iterator.html) | **StartElement.**[**getAttributes**](http://docs.google.com/javax/xml/stream/events/StartElement.html#getAttributes())()            Returns an Iterator of non-namespace declared attributes declared on this START\_ELEMENT, returns an empty iterator if there are no attributes. |
| [Iterator](http://docs.google.com/java/util/Iterator.html) | **EndElement.**[**getNamespaces**](http://docs.google.com/javax/xml/stream/events/EndElement.html#getNamespaces())()            Returns an Iterator of namespaces that have gone out of scope. |
| [Iterator](http://docs.google.com/java/util/Iterator.html) | **StartElement.**[**getNamespaces**](http://docs.google.com/javax/xml/stream/events/StartElement.html#getNamespaces())()            Returns an Iterator of namespaces declared on this element. |

| Uses of [Iterator](http://docs.google.com/java/util/Iterator.html) in [javax.xml.stream.util](http://docs.google.com/javax/xml/stream/util/package-summary.html) | |
| --- | --- |

| Classes in [javax.xml.stream.util](http://docs.google.com/javax/xml/stream/util/package-summary.html) that implement [Iterator](http://docs.google.com/java/util/Iterator.html) | |
| --- | --- |
| class | [**EventReaderDelegate**](http://docs.google.com/javax/xml/stream/util/EventReaderDelegate.html)            This is the base class for deriving an XMLEventReader filter. |

| Uses of [Iterator](http://docs.google.com/java/util/Iterator.html) in [javax.xml.ws](http://docs.google.com/javax/xml/ws/package-summary.html) | |
| --- | --- |

| Methods in [javax.xml.ws](http://docs.google.com/javax/xml/ws/package-summary.html) that return [Iterator](http://docs.google.com/java/util/Iterator.html) | |
| --- | --- |
| [Iterator](http://docs.google.com/java/util/Iterator.html)<[QName](http://docs.google.com/javax/xml/namespace/QName.html)> | **Service.**[**getPorts**](http://docs.google.com/javax/xml/ws/Service.html#getPorts())()            Returns an Iterator for the list of QNames of service endpoints grouped by this service |

| Uses of [Iterator](http://docs.google.com/java/util/Iterator.html) in [javax.xml.ws.spi](http://docs.google.com/javax/xml/ws/spi/package-summary.html) | |
| --- | --- |

| Methods in [javax.xml.ws.spi](http://docs.google.com/javax/xml/ws/spi/package-summary.html) that return [Iterator](http://docs.google.com/java/util/Iterator.html) | |
| --- | --- |
| abstract  [Iterator](http://docs.google.com/java/util/Iterator.html)<[QName](http://docs.google.com/javax/xml/namespace/QName.html)> | **ServiceDelegate.**[**getPorts**](http://docs.google.com/javax/xml/ws/spi/ServiceDelegate.html#getPorts())()            Returns an Iterator for the list of QNames of service endpoints grouped by this service |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/util/Iterator.html) | **Use** | [**Tree**](http://docs.google.com/package-tree.html) | [**Deprecated**](http://docs.google.com/deprecated-list.html) | [**Index**](http://docs.google.com/index-files/index-1.html) | [**Help**](http://docs.google.com/help-doc.html) | | --- | --- | --- | --- | --- | --- | --- | --- | | | ***Java™ Platform***  ***Standard Ed. 6*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?java/util//class-useIterator.html)    [**NO FRAMES**](http://docs.google.com/Iterator.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

[Submit a bug or feature](http://bugs.sun.com/services/bugreport/index.jsp)

For further API reference and developer documentation, see [Java SE Developer Documentation](http://docs.google.com/webnotes/devdocs-vs-specs.html). That documentation contains more detailed, developer-targeted descriptions, with conceptual overviews, definitions of terms, workarounds, and working code examples.

Copyright 2006 Sun Microsystems, Inc. All rights reserved. Use is subject to [license terms](http://docs.google.com/legal/license.html). Also see the [documentation redistribution policy](http://java.sun.com/docs/redist.html).