| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/util/Vector.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-useVector.html)    [**NO FRAMES**](http://docs.google.com/Vector.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Class**

**java.util.Vector**

| Packages that use [Vector](http://docs.google.com/java/util/Vector.html) | |
| --- | --- |
| [**java.awt.image**](#3znysh7) | Provides classes for creating and modifying images. |
| [**java.awt.image.renderable**](#2et92p0) | Provides classes and interfaces for producing rendering-independent images. |
| [**java.util**](#tyjcwt) | 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). |
| [**javax.accessibility**](#3dy6vkm) | Defines a contract between user-interface components and an assistive technology that provides access to those components. |
| [**javax.management**](#1t3h5sf) | Provides the core classes for the Java Management Extensions. |
| [**javax.management.relation**](#4d34og8) | Provides the definition of the Relation Service. |
| [**javax.management.timer**](#2s8eyo1) | Provides the definition of the Timer MBean. |
| [**javax.naming**](#17dp8vu) | Provides the classes and interfaces for accessing naming services. |
| [**javax.naming.directory**](#3rdcrjn) | Extends the javax.naming package to provide functionality for accessing directory services. |
| [**javax.sound.midi**](#26in1rg) | Provides interfaces and classes for I/O, sequencing, and synthesis of MIDI (Musical Instrument Digital Interface) data. |
| [**javax.sql.rowset.serial**](#lnxbz9) | Provides utility classes to allow serializable mappings between SQL types and data types in the Java programming language. |
| [**javax.swing**](#35nkun2) | Provides a set of "lightweight" (all-Java language) components that, to the maximum degree possible, work the same on all platforms. |
| [**javax.swing.plaf.basic**](#1ksv4uv) | Provides user interface objects built according to the Basic look and feel. |
| [**javax.swing.plaf.multi**](#44sinio) | Provides user interface objects that combine two or more look and feels. |
| [**javax.swing.table**](#2jxsxqh) | Provides classes and interfaces for dealing with javax.swing.JTable. |
| [**javax.swing.text**](#z337ya) | Provides classes and interfaces that deal with editable and noneditable text components. |
| [**javax.swing.text.html**](#3j2qqm3) | Provides the class HTMLEditorKit and supporting classes for creating HTML text editors. |
| [**javax.swing.text.html.parser**](#1y810tw) | Provides the default HTML parser, along with support classes. |
| [**javax.swing.tree**](#4i7ojhp) | Provides classes and interfaces for dealing with javax.swing.JTree. |
| [**javax.swing.undo**](#2xcytpi) | Allows developers to provide support for undo/redo in applications such as text editors. |

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

| Methods in [java.awt.image](http://docs.google.com/java/awt/image/package-summary.html) that return [Vector](http://docs.google.com/java/util/Vector.html) | |
| --- | --- |
| [Vector](http://docs.google.com/java/util/Vector.html)<[RenderedImage](http://docs.google.com/java/awt/image/RenderedImage.html)> | **BufferedImage.**[**getSources**](http://docs.google.com/java/awt/image/BufferedImage.html#getSources())()            Returns a [Vector](http://docs.google.com/java/util/Vector.html) of [RenderedImage](http://docs.google.com/java/awt/image/RenderedImage.html) objects that are the immediate sources, not the sources of these immediate sources, of image data for this BufferedImage. |
| [Vector](http://docs.google.com/java/util/Vector.html)<[RenderedImage](http://docs.google.com/java/awt/image/RenderedImage.html)> | **RenderedImage.**[**getSources**](http://docs.google.com/java/awt/image/RenderedImage.html#getSources())()            Returns a vector of RenderedImages that are the immediate sources of image data for this RenderedImage. |

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

| Fields in [java.awt.image.renderable](http://docs.google.com/java/awt/image/renderable/package-summary.html) declared as [Vector](http://docs.google.com/java/util/Vector.html) | |
| --- | --- |
| protected  [Vector](http://docs.google.com/java/util/Vector.html)<[Object](http://docs.google.com/java/lang/Object.html)> | **ParameterBlock.**[**parameters**](http://docs.google.com/java/awt/image/renderable/ParameterBlock.html#parameters)            A Vector of non-source parameters, stored as arbitrary Objects. |
| protected  [Vector](http://docs.google.com/java/util/Vector.html)<[Object](http://docs.google.com/java/lang/Object.html)> | **ParameterBlock.**[**sources**](http://docs.google.com/java/awt/image/renderable/ParameterBlock.html#sources)            A Vector of sources, stored as arbitrary Objects. |

| Methods in [java.awt.image.renderable](http://docs.google.com/java/awt/image/renderable/package-summary.html) that return [Vector](http://docs.google.com/java/util/Vector.html) | |
| --- | --- |
| [Vector](http://docs.google.com/java/util/Vector.html)<[Object](http://docs.google.com/java/lang/Object.html)> | **ParameterBlock.**[**getParameters**](http://docs.google.com/java/awt/image/renderable/ParameterBlock.html#getParameters())()            Returns the entire Vector of parameters. |
| [Vector](http://docs.google.com/java/util/Vector.html)<[RenderableImage](http://docs.google.com/java/awt/image/renderable/RenderableImage.html)> | **RenderableImageOp.**[**getSources**](http://docs.google.com/java/awt/image/renderable/RenderableImageOp.html#getSources())()            Returns a vector of RenderableImages that are the sources of image data for this RenderableImage. |
| [Vector](http://docs.google.com/java/util/Vector.html)<[Object](http://docs.google.com/java/lang/Object.html)> | **ParameterBlock.**[**getSources**](http://docs.google.com/java/awt/image/renderable/ParameterBlock.html#getSources())()            Returns the entire Vector of sources. |
| [Vector](http://docs.google.com/java/util/Vector.html)<[RenderableImage](http://docs.google.com/java/awt/image/renderable/RenderableImage.html)> | **RenderableImage.**[**getSources**](http://docs.google.com/java/awt/image/renderable/RenderableImage.html#getSources())()            Returns a vector of RenderableImages that are the sources of image data for this RenderableImage. |

| Methods in [java.awt.image.renderable](http://docs.google.com/java/awt/image/renderable/package-summary.html) with parameters of type [Vector](http://docs.google.com/java/util/Vector.html) | |
| --- | --- |
| void | **ParameterBlock.**[**setParameters**](http://docs.google.com/java/awt/image/renderable/ParameterBlock.html#setParameters(java.util.Vector))([Vector](http://docs.google.com/java/util/Vector.html)<[Object](http://docs.google.com/java/lang/Object.html)> parameters)            Sets the entire Vector of parameters to a given Vector. |
| void | **ParameterBlock.**[**setSources**](http://docs.google.com/java/awt/image/renderable/ParameterBlock.html#setSources(java.util.Vector))([Vector](http://docs.google.com/java/util/Vector.html)<[Object](http://docs.google.com/java/lang/Object.html)> sources)            Sets the entire Vector of sources to a given Vector. |

| Constructors in [java.awt.image.renderable](http://docs.google.com/java/awt/image/renderable/package-summary.html) with parameters of type [Vector](http://docs.google.com/java/util/Vector.html) | |
| --- | --- |
| [**ParameterBlock**](http://docs.google.com/java/awt/image/renderable/ParameterBlock.html#ParameterBlock(java.util.Vector))([Vector](http://docs.google.com/java/util/Vector.html)<[Object](http://docs.google.com/java/lang/Object.html)> sources)            Constructs a ParameterBlock with a given Vector of sources. |
| [**ParameterBlock**](http://docs.google.com/java/awt/image/renderable/ParameterBlock.html#ParameterBlock(java.util.Vector,%20java.util.Vector))([Vector](http://docs.google.com/java/util/Vector.html)<[Object](http://docs.google.com/java/lang/Object.html)> sources, [Vector](http://docs.google.com/java/util/Vector.html)<[Object](http://docs.google.com/java/lang/Object.html)> parameters)            Constructs a ParameterBlock with a given Vector of sources and Vector of parameters. |
| [**ParameterBlock**](http://docs.google.com/java/awt/image/renderable/ParameterBlock.html#ParameterBlock(java.util.Vector,%20java.util.Vector))([Vector](http://docs.google.com/java/util/Vector.html)<[Object](http://docs.google.com/java/lang/Object.html)> sources, [Vector](http://docs.google.com/java/util/Vector.html)<[Object](http://docs.google.com/java/lang/Object.html)> parameters)            Constructs a ParameterBlock with a given Vector of sources and Vector of parameters. |

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

| Subclasses of [Vector](http://docs.google.com/java/util/Vector.html) in [java.util](http://docs.google.com/java/util/package-summary.html) | |
| --- | --- |
| class | [**Stack<E>**](http://docs.google.com/java/util/Stack.html)            The Stack class represents a last-in-first-out (LIFO) stack of objects. |

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

| Fields in [javax.accessibility](http://docs.google.com/javax/accessibility/package-summary.html) declared as [Vector](http://docs.google.com/java/util/Vector.html) | |
| --- | --- |
| protected  [Vector](http://docs.google.com/java/util/Vector.html)<[AccessibleRelation](http://docs.google.com/javax/accessibility/AccessibleRelation.html)> | **AccessibleRelationSet.**[**relations**](http://docs.google.com/javax/accessibility/AccessibleRelationSet.html#relations)            Each entry in the Vector represents an AccessibleRelation. |
| protected  [Vector](http://docs.google.com/java/util/Vector.html)<[AccessibleState](http://docs.google.com/javax/accessibility/AccessibleState.html)> | **AccessibleStateSet.**[**states**](http://docs.google.com/javax/accessibility/AccessibleStateSet.html#states)            Each entry in the Vector represents an AccessibleState. |

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

| Methods in [javax.management](http://docs.google.com/javax/management/package-summary.html) that return [Vector](http://docs.google.com/java/util/Vector.html) | |
| --- | --- |
| [Vector](http://docs.google.com/java/util/Vector.html)<[String](http://docs.google.com/java/lang/String.html)> | **AttributeChangeNotificationFilter.**[**getEnabledAttributes**](http://docs.google.com/javax/management/AttributeChangeNotificationFilter.html#getEnabledAttributes())()            Gets all the enabled attribute names for this filter. |
| [Vector](http://docs.google.com/java/util/Vector.html)<[String](http://docs.google.com/java/lang/String.html)> | **NotificationFilterSupport.**[**getEnabledTypes**](http://docs.google.com/javax/management/NotificationFilterSupport.html#getEnabledTypes())()            Gets all the enabled notification types for this filter. |

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

| Methods in [javax.management.relation](http://docs.google.com/javax/management/relation/package-summary.html) that return [Vector](http://docs.google.com/java/util/Vector.html) | |
| --- | --- |
| [Vector](http://docs.google.com/java/util/Vector.html)<[ObjectName](http://docs.google.com/javax/management/ObjectName.html)> | **MBeanServerNotificationFilter.**[**getDisabledObjectNames**](http://docs.google.com/javax/management/relation/MBeanServerNotificationFilter.html#getDisabledObjectNames())()            Gets all the ObjectNames disabled. |
| [Vector](http://docs.google.com/java/util/Vector.html)<[ObjectName](http://docs.google.com/javax/management/ObjectName.html)> | **MBeanServerNotificationFilter.**[**getEnabledObjectNames**](http://docs.google.com/javax/management/relation/MBeanServerNotificationFilter.html#getEnabledObjectNames())()            Gets all the ObjectNames enabled. |

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

| Methods in [javax.management.timer](http://docs.google.com/javax/management/timer/package-summary.html) that return [Vector](http://docs.google.com/java/util/Vector.html) | |
| --- | --- |
| [Vector](http://docs.google.com/java/util/Vector.html)<[Integer](http://docs.google.com/java/lang/Integer.html)> | **TimerMBean.**[**getAllNotificationIDs**](http://docs.google.com/javax/management/timer/TimerMBean.html#getAllNotificationIDs())()            Gets all timer notification identifiers registered into the list of notifications. |
| [Vector](http://docs.google.com/java/util/Vector.html)<[Integer](http://docs.google.com/java/lang/Integer.html)> | **Timer.**[**getAllNotificationIDs**](http://docs.google.com/javax/management/timer/Timer.html#getAllNotificationIDs())()            Gets all timer notification identifiers registered into the list of notifications. |
| [Vector](http://docs.google.com/java/util/Vector.html)<[Integer](http://docs.google.com/java/lang/Integer.html)> | **TimerMBean.**[**getNotificationIDs**](http://docs.google.com/javax/management/timer/TimerMBean.html#getNotificationIDs(java.lang.String))([String](http://docs.google.com/java/lang/String.html) type)            Gets all the identifiers of timer notifications corresponding to the specified type. |
| [Vector](http://docs.google.com/java/util/Vector.html)<[Integer](http://docs.google.com/java/lang/Integer.html)> | **Timer.**[**getNotificationIDs**](http://docs.google.com/javax/management/timer/Timer.html#getNotificationIDs(java.lang.String))([String](http://docs.google.com/java/lang/String.html) type)            Gets all the identifiers of timer notifications corresponding to the specified type. |

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

| Fields in [javax.naming](http://docs.google.com/javax/naming/package-summary.html) declared as [Vector](http://docs.google.com/java/util/Vector.html) | |
| --- | --- |
| protected  [Vector](http://docs.google.com/java/util/Vector.html)<[RefAddr](http://docs.google.com/javax/naming/RefAddr.html)> | **Reference.**[**addrs**](http://docs.google.com/javax/naming/Reference.html#addrs)            Contains the addresses contained in this Reference. |

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

| Fields in [javax.naming.directory](http://docs.google.com/javax/naming/directory/package-summary.html) declared as [Vector](http://docs.google.com/java/util/Vector.html) | |
| --- | --- |
| protected  [Vector](http://docs.google.com/java/util/Vector.html)<[Object](http://docs.google.com/java/lang/Object.html)> | **BasicAttribute.**[**values**](http://docs.google.com/javax/naming/directory/BasicAttribute.html#values)            Holds the attribute's values. |

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

| Fields in [javax.sound.midi](http://docs.google.com/javax/sound/midi/package-summary.html) declared as [Vector](http://docs.google.com/java/util/Vector.html) | |
| --- | --- |
| protected  [Vector](http://docs.google.com/java/util/Vector.html)<[Track](http://docs.google.com/javax/sound/midi/Track.html)> | **Sequence.**[**tracks**](http://docs.google.com/javax/sound/midi/Sequence.html#tracks)            The MIDI tracks in this sequence. |

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

| Constructors in [javax.sql.rowset.serial](http://docs.google.com/javax/sql/rowset/serial/package-summary.html) with parameters of type [Vector](http://docs.google.com/java/util/Vector.html) | |
| --- | --- |
| [**SQLOutputImpl**](http://docs.google.com/javax/sql/rowset/serial/SQLOutputImpl.html#SQLOutputImpl(java.util.Vector,%20java.util.Map))([Vector](http://docs.google.com/java/util/Vector.html)<?> attributes, [Map](http://docs.google.com/java/util/Map.html)<[String](http://docs.google.com/java/lang/String.html),?> map)            Creates a new SQLOutputImpl object initialized with the given vector of attributes and type map. |

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

| Fields in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) declared as [Vector](http://docs.google.com/java/util/Vector.html) | |
| --- | --- |
| protected  [Vector](http://docs.google.com/java/util/Vector.html)<[AbstractButton](http://docs.google.com/javax/swing/AbstractButton.html)> | **ButtonGroup.**[**buttons**](http://docs.google.com/javax/swing/ButtonGroup.html#buttons) |

| Methods in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) with parameters of type [Vector](http://docs.google.com/java/util/Vector.html) | |
| --- | --- |
| void | **JList.**[**setListData**](http://docs.google.com/javax/swing/JList.html#setListData(java.util.Vector))([Vector](http://docs.google.com/java/util/Vector.html)<?> listData)            Constructs a read-only ListModel from a Vector and calls setModel with this model. |

| Constructors in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) with parameters of type [Vector](http://docs.google.com/java/util/Vector.html) | |
| --- | --- |
| [**DefaultComboBoxModel**](http://docs.google.com/javax/swing/DefaultComboBoxModel.html#DefaultComboBoxModel(java.util.Vector))([Vector](http://docs.google.com/java/util/Vector.html)<?> v)            Constructs a DefaultComboBoxModel object initialized with a vector. |
| [**JComboBox**](http://docs.google.com/javax/swing/JComboBox.html#JComboBox(java.util.Vector))([Vector](http://docs.google.com/java/util/Vector.html)<?> items)            Creates a JComboBox that contains the elements in the specified Vector. |
| [**JList**](http://docs.google.com/javax/swing/JList.html#JList(java.util.Vector))([Vector](http://docs.google.com/java/util/Vector.html)<?> listData)            Constructs a JList that displays the elements in the specified Vector. |
| [**JTable**](http://docs.google.com/javax/swing/JTable.html#JTable(java.util.Vector,%20java.util.Vector))([Vector](http://docs.google.com/java/util/Vector.html) rowData, [Vector](http://docs.google.com/java/util/Vector.html) columnNames)            Constructs a JTable to display the values in the Vector of Vectors, rowData, with column names, columnNames. |
| [**JTable**](http://docs.google.com/javax/swing/JTable.html#JTable(java.util.Vector,%20java.util.Vector))([Vector](http://docs.google.com/java/util/Vector.html) rowData, [Vector](http://docs.google.com/java/util/Vector.html) columnNames)            Constructs a JTable to display the values in the Vector of Vectors, rowData, with column names, columnNames. |
| [**JTree**](http://docs.google.com/javax/swing/JTree.html#JTree(java.util.Vector))([Vector](http://docs.google.com/java/util/Vector.html)<?> value)            Returns a JTree with each element of the specified Vector as the child of a new root node which is not displayed. |

| Uses of [Vector](http://docs.google.com/java/util/Vector.html) in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) | |
| --- | --- |

| Methods in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) that return [Vector](http://docs.google.com/java/util/Vector.html) | |
| --- | --- |
| [Vector](http://docs.google.com/java/util/Vector.html)<[File](http://docs.google.com/java/io/File.html)> | **BasicDirectoryModel.**[**getDirectories**](http://docs.google.com/javax/swing/plaf/basic/BasicDirectoryModel.html#getDirectories())() |
| [Vector](http://docs.google.com/java/util/Vector.html)<[File](http://docs.google.com/java/io/File.html)> | **BasicDirectoryModel.**[**getFiles**](http://docs.google.com/javax/swing/plaf/basic/BasicDirectoryModel.html#getFiles())() |

| Methods in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) with parameters of type [Vector](http://docs.google.com/java/util/Vector.html) | |
| --- | --- |
| protected  void | **BasicDirectoryModel.**[**sort**](http://docs.google.com/javax/swing/plaf/basic/BasicDirectoryModel.html#sort(java.util.Vector))([Vector](http://docs.google.com/java/util/Vector.html)<? extends [File](http://docs.google.com/java/io/File.html)> v) |

| Uses of [Vector](http://docs.google.com/java/util/Vector.html) in [javax.swing.plaf.multi](http://docs.google.com/javax/swing/plaf/multi/package-summary.html) | |
| --- | --- |

| Fields in [javax.swing.plaf.multi](http://docs.google.com/javax/swing/plaf/multi/package-summary.html) declared as [Vector](http://docs.google.com/java/util/Vector.html) | |
| --- | --- |
| protected  [Vector](http://docs.google.com/java/util/Vector.html) | **MultiViewportUI.**[**uis**](http://docs.google.com/javax/swing/plaf/multi/MultiViewportUI.html#uis)            The vector containing the real UIs. |
| protected  [Vector](http://docs.google.com/java/util/Vector.html) | **MultiTreeUI.**[**uis**](http://docs.google.com/javax/swing/plaf/multi/MultiTreeUI.html#uis)            The vector containing the real UIs. |
| protected  [Vector](http://docs.google.com/java/util/Vector.html) | **MultiToolTipUI.**[**uis**](http://docs.google.com/javax/swing/plaf/multi/MultiToolTipUI.html#uis)            The vector containing the real UIs. |
| protected  [Vector](http://docs.google.com/java/util/Vector.html) | **MultiToolBarUI.**[**uis**](http://docs.google.com/javax/swing/plaf/multi/MultiToolBarUI.html#uis)            The vector containing the real UIs. |
| protected  [Vector](http://docs.google.com/java/util/Vector.html) | **MultiTextUI.**[**uis**](http://docs.google.com/javax/swing/plaf/multi/MultiTextUI.html#uis)            The vector containing the real UIs. |
| protected  [Vector](http://docs.google.com/java/util/Vector.html) | **MultiTableUI.**[**uis**](http://docs.google.com/javax/swing/plaf/multi/MultiTableUI.html#uis)            The vector containing the real UIs. |
| protected  [Vector](http://docs.google.com/java/util/Vector.html) | **MultiTableHeaderUI.**[**uis**](http://docs.google.com/javax/swing/plaf/multi/MultiTableHeaderUI.html#uis)            The vector containing the real UIs. |
| protected  [Vector](http://docs.google.com/java/util/Vector.html) | **MultiTabbedPaneUI.**[**uis**](http://docs.google.com/javax/swing/plaf/multi/MultiTabbedPaneUI.html#uis)            The vector containing the real UIs. |
| protected  [Vector](http://docs.google.com/java/util/Vector.html) | **MultiSplitPaneUI.**[**uis**](http://docs.google.com/javax/swing/plaf/multi/MultiSplitPaneUI.html#uis)            The vector containing the real UIs. |
| protected  [Vector](http://docs.google.com/java/util/Vector.html) | **MultiSpinnerUI.**[**uis**](http://docs.google.com/javax/swing/plaf/multi/MultiSpinnerUI.html#uis)            The vector containing the real UIs. |
| protected  [Vector](http://docs.google.com/java/util/Vector.html) | **MultiSliderUI.**[**uis**](http://docs.google.com/javax/swing/plaf/multi/MultiSliderUI.html#uis)            The vector containing the real UIs. |
| protected  [Vector](http://docs.google.com/java/util/Vector.html) | **MultiSeparatorUI.**[**uis**](http://docs.google.com/javax/swing/plaf/multi/MultiSeparatorUI.html#uis)            The vector containing the real UIs. |
| protected  [Vector](http://docs.google.com/java/util/Vector.html) | **MultiScrollPaneUI.**[**uis**](http://docs.google.com/javax/swing/plaf/multi/MultiScrollPaneUI.html#uis)            The vector containing the real UIs. |
| protected  [Vector](http://docs.google.com/java/util/Vector.html) | **MultiScrollBarUI.**[**uis**](http://docs.google.com/javax/swing/plaf/multi/MultiScrollBarUI.html#uis)            The vector containing the real UIs. |
| protected  [Vector](http://docs.google.com/java/util/Vector.html) | **MultiRootPaneUI.**[**uis**](http://docs.google.com/javax/swing/plaf/multi/MultiRootPaneUI.html#uis)            The vector containing the real UIs. |
| protected  [Vector](http://docs.google.com/java/util/Vector.html) | **MultiProgressBarUI.**[**uis**](http://docs.google.com/javax/swing/plaf/multi/MultiProgressBarUI.html#uis)            The vector containing the real UIs. |
| protected  [Vector](http://docs.google.com/java/util/Vector.html) | **MultiPopupMenuUI.**[**uis**](http://docs.google.com/javax/swing/plaf/multi/MultiPopupMenuUI.html#uis)            The vector containing the real UIs. |
| protected  [Vector](http://docs.google.com/java/util/Vector.html) | **MultiPanelUI.**[**uis**](http://docs.google.com/javax/swing/plaf/multi/MultiPanelUI.html#uis)            The vector containing the real UIs. |
| protected  [Vector](http://docs.google.com/java/util/Vector.html) | **MultiOptionPaneUI.**[**uis**](http://docs.google.com/javax/swing/plaf/multi/MultiOptionPaneUI.html#uis)            The vector containing the real UIs. |
| protected  [Vector](http://docs.google.com/java/util/Vector.html) | **MultiMenuItemUI.**[**uis**](http://docs.google.com/javax/swing/plaf/multi/MultiMenuItemUI.html#uis)            The vector containing the real UIs. |
| protected  [Vector](http://docs.google.com/java/util/Vector.html) | **MultiMenuBarUI.**[**uis**](http://docs.google.com/javax/swing/plaf/multi/MultiMenuBarUI.html#uis)            The vector containing the real UIs. |
| protected  [Vector](http://docs.google.com/java/util/Vector.html) | **MultiListUI.**[**uis**](http://docs.google.com/javax/swing/plaf/multi/MultiListUI.html#uis)            The vector containing the real UIs. |
| protected  [Vector](http://docs.google.com/java/util/Vector.html) | **MultiLabelUI.**[**uis**](http://docs.google.com/javax/swing/plaf/multi/MultiLabelUI.html#uis)            The vector containing the real UIs. |
| protected  [Vector](http://docs.google.com/java/util/Vector.html) | **MultiInternalFrameUI.**[**uis**](http://docs.google.com/javax/swing/plaf/multi/MultiInternalFrameUI.html#uis)            The vector containing the real UIs. |
| protected  [Vector](http://docs.google.com/java/util/Vector.html) | **MultiFileChooserUI.**[**uis**](http://docs.google.com/javax/swing/plaf/multi/MultiFileChooserUI.html#uis)            The vector containing the real UIs. |
| protected  [Vector](http://docs.google.com/java/util/Vector.html) | **MultiDesktopPaneUI.**[**uis**](http://docs.google.com/javax/swing/plaf/multi/MultiDesktopPaneUI.html#uis)            The vector containing the real UIs. |
| protected  [Vector](http://docs.google.com/java/util/Vector.html) | **MultiDesktopIconUI.**[**uis**](http://docs.google.com/javax/swing/plaf/multi/MultiDesktopIconUI.html#uis)            The vector containing the real UIs. |
| protected  [Vector](http://docs.google.com/java/util/Vector.html) | **MultiComboBoxUI.**[**uis**](http://docs.google.com/javax/swing/plaf/multi/MultiComboBoxUI.html#uis)            The vector containing the real UIs. |
| protected  [Vector](http://docs.google.com/java/util/Vector.html) | **MultiColorChooserUI.**[**uis**](http://docs.google.com/javax/swing/plaf/multi/MultiColorChooserUI.html#uis)            The vector containing the real UIs. |
| protected  [Vector](http://docs.google.com/java/util/Vector.html) | **MultiButtonUI.**[**uis**](http://docs.google.com/javax/swing/plaf/multi/MultiButtonUI.html#uis)            The vector containing the real UIs. |

| Methods in [javax.swing.plaf.multi](http://docs.google.com/javax/swing/plaf/multi/package-summary.html) with parameters of type [Vector](http://docs.google.com/java/util/Vector.html) | |
| --- | --- |
| static [ComponentUI](http://docs.google.com/javax/swing/plaf/ComponentUI.html) | **MultiLookAndFeel.**[**createUIs**](http://docs.google.com/javax/swing/plaf/multi/MultiLookAndFeel.html#createUIs(javax.swing.plaf.ComponentUI,%20java.util.Vector,%20javax.swing.JComponent))([ComponentUI](http://docs.google.com/javax/swing/plaf/ComponentUI.html) mui, [Vector](http://docs.google.com/java/util/Vector.html) uis, [JComponent](http://docs.google.com/javax/swing/JComponent.html) target)            Creates the ComponentUI objects required to present the target component, placing the objects in the uis vector and returning the ComponentUI object that best represents the component's UI. |
| protected static [ComponentUI](http://docs.google.com/javax/swing/plaf/ComponentUI.html)[] | **MultiLookAndFeel.**[**uisToArray**](http://docs.google.com/javax/swing/plaf/multi/MultiLookAndFeel.html#uisToArray(java.util.Vector))([Vector](http://docs.google.com/java/util/Vector.html) uis)            Creates an array, populates it with UI objects from the passed-in vector, and returns the array. |

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

| Fields in [javax.swing.table](http://docs.google.com/javax/swing/table/package-summary.html) declared as [Vector](http://docs.google.com/java/util/Vector.html) | |
| --- | --- |
| protected  [Vector](http://docs.google.com/java/util/Vector.html) | **DefaultTableModel.**[**columnIdentifiers**](http://docs.google.com/javax/swing/table/DefaultTableModel.html#columnIdentifiers)            The Vector of column identifiers. |
| protected  [Vector](http://docs.google.com/java/util/Vector.html) | **DefaultTableModel.**[**dataVector**](http://docs.google.com/javax/swing/table/DefaultTableModel.html#dataVector)            The Vector of Vectors of Object values. |
| protected  [Vector](http://docs.google.com/java/util/Vector.html)<[TableColumn](http://docs.google.com/javax/swing/table/TableColumn.html)> | **DefaultTableColumnModel.**[**tableColumns**](http://docs.google.com/javax/swing/table/DefaultTableColumnModel.html#tableColumns)            Array of TableColumn objects in this model |

| Methods in [javax.swing.table](http://docs.google.com/javax/swing/table/package-summary.html) that return [Vector](http://docs.google.com/java/util/Vector.html) | |
| --- | --- |
| protected static [Vector](http://docs.google.com/java/util/Vector.html) | **DefaultTableModel.**[**convertToVector**](http://docs.google.com/javax/swing/table/DefaultTableModel.html#convertToVector(java.lang.Object%5B%5D))([Object](http://docs.google.com/java/lang/Object.html)[] anArray)            Returns a vector that contains the same objects as the array. |
| protected static [Vector](http://docs.google.com/java/util/Vector.html) | **DefaultTableModel.**[**convertToVector**](http://docs.google.com/javax/swing/table/DefaultTableModel.html#convertToVector(java.lang.Object%5B%5D%5B%5D))([Object](http://docs.google.com/java/lang/Object.html)[][] anArray)            Returns a vector of vectors that contains the same objects as the array. |
| [Vector](http://docs.google.com/java/util/Vector.html) | **DefaultTableModel.**[**getDataVector**](http://docs.google.com/javax/swing/table/DefaultTableModel.html#getDataVector())()            Returns the Vector of Vectors that contains the table's data values. |

| Methods in [javax.swing.table](http://docs.google.com/javax/swing/table/package-summary.html) with parameters of type [Vector](http://docs.google.com/java/util/Vector.html) | |
| --- | --- |
| void | **DefaultTableModel.**[**addColumn**](http://docs.google.com/javax/swing/table/DefaultTableModel.html#addColumn(java.lang.Object,%20java.util.Vector))([Object](http://docs.google.com/java/lang/Object.html) columnName, [Vector](http://docs.google.com/java/util/Vector.html) columnData)            Adds a column to the model. |
| void | **DefaultTableModel.**[**addRow**](http://docs.google.com/javax/swing/table/DefaultTableModel.html#addRow(java.util.Vector))([Vector](http://docs.google.com/java/util/Vector.html) rowData)            Adds a row to the end of the model. |
| void | **DefaultTableModel.**[**insertRow**](http://docs.google.com/javax/swing/table/DefaultTableModel.html#insertRow(int,%20java.util.Vector))(int row, [Vector](http://docs.google.com/java/util/Vector.html) rowData)            Inserts a row at row in the model. |
| void | **DefaultTableModel.**[**setColumnIdentifiers**](http://docs.google.com/javax/swing/table/DefaultTableModel.html#setColumnIdentifiers(java.util.Vector))([Vector](http://docs.google.com/java/util/Vector.html) columnIdentifiers)            Replaces the column identifiers in the model. |
| void | **DefaultTableModel.**[**setDataVector**](http://docs.google.com/javax/swing/table/DefaultTableModel.html#setDataVector(java.util.Vector,%20java.util.Vector))([Vector](http://docs.google.com/java/util/Vector.html) dataVector, [Vector](http://docs.google.com/java/util/Vector.html) columnIdentifiers)            Replaces the current dataVector instance variable with the new Vector of rows, dataVector. |
| void | **DefaultTableModel.**[**setDataVector**](http://docs.google.com/javax/swing/table/DefaultTableModel.html#setDataVector(java.util.Vector,%20java.util.Vector))([Vector](http://docs.google.com/java/util/Vector.html) dataVector, [Vector](http://docs.google.com/java/util/Vector.html) columnIdentifiers)            Replaces the current dataVector instance variable with the new Vector of rows, dataVector. |

| Constructors in [javax.swing.table](http://docs.google.com/javax/swing/table/package-summary.html) with parameters of type [Vector](http://docs.google.com/java/util/Vector.html) | |
| --- | --- |
| [**DefaultTableModel**](http://docs.google.com/javax/swing/table/DefaultTableModel.html#DefaultTableModel(java.util.Vector,%20int))([Vector](http://docs.google.com/java/util/Vector.html) columnNames, int rowCount)            Constructs a DefaultTableModel with as many columns as there are elements in columnNames and rowCount of null object values. |
| [**DefaultTableModel**](http://docs.google.com/javax/swing/table/DefaultTableModel.html#DefaultTableModel(java.util.Vector,%20java.util.Vector))([Vector](http://docs.google.com/java/util/Vector.html) data, [Vector](http://docs.google.com/java/util/Vector.html) columnNames)            Constructs a DefaultTableModel and initializes the table by passing data and columnNames to the setDataVector method. |
| [**DefaultTableModel**](http://docs.google.com/javax/swing/table/DefaultTableModel.html#DefaultTableModel(java.util.Vector,%20java.util.Vector))([Vector](http://docs.google.com/java/util/Vector.html) data, [Vector](http://docs.google.com/java/util/Vector.html) columnNames)            Constructs a DefaultTableModel and initializes the table by passing data and columnNames to the setDataVector method. |

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

| Methods in [javax.swing.text](http://docs.google.com/javax/swing/text/package-summary.html) that return [Vector](http://docs.google.com/java/util/Vector.html) | |
| --- | --- |
| protected  [Vector](http://docs.google.com/java/util/Vector.html) | **StringContent.**[**getPositionsInRange**](http://docs.google.com/javax/swing/text/StringContent.html#getPositionsInRange(java.util.Vector,%20int,%20int))([Vector](http://docs.google.com/java/util/Vector.html) v, int offset, int length)            Returns a Vector containing instances of UndoPosRef for the Positions in the range offset to offset + length. |
| protected  [Vector](http://docs.google.com/java/util/Vector.html) | **GapContent.**[**getPositionsInRange**](http://docs.google.com/javax/swing/text/GapContent.html#getPositionsInRange(java.util.Vector,%20int,%20int))([Vector](http://docs.google.com/java/util/Vector.html) v, int offset, int length)            Returns a Vector containing instances of UndoPosRef for the Positions in the range offset to offset + length. |

| Methods in [javax.swing.text](http://docs.google.com/javax/swing/text/package-summary.html) with parameters of type [Vector](http://docs.google.com/java/util/Vector.html) | |
| --- | --- |
| protected  [Vector](http://docs.google.com/java/util/Vector.html) | **StringContent.**[**getPositionsInRange**](http://docs.google.com/javax/swing/text/StringContent.html#getPositionsInRange(java.util.Vector,%20int,%20int))([Vector](http://docs.google.com/java/util/Vector.html) v, int offset, int length)            Returns a Vector containing instances of UndoPosRef for the Positions in the range offset to offset + length. |
| protected  [Vector](http://docs.google.com/java/util/Vector.html) | **GapContent.**[**getPositionsInRange**](http://docs.google.com/javax/swing/text/GapContent.html#getPositionsInRange(java.util.Vector,%20int,%20int))([Vector](http://docs.google.com/java/util/Vector.html) v, int offset, int length)            Returns a Vector containing instances of UndoPosRef for the Positions in the range offset to offset + length. |
| protected  void | **StringContent.**[**updateUndoPositions**](http://docs.google.com/javax/swing/text/StringContent.html#updateUndoPositions(java.util.Vector))([Vector](http://docs.google.com/java/util/Vector.html) positions)            Resets the location for all the UndoPosRef instances in positions. |
| protected  void | **GapContent.**[**updateUndoPositions**](http://docs.google.com/javax/swing/text/GapContent.html#updateUndoPositions(java.util.Vector,%20int,%20int))([Vector](http://docs.google.com/java/util/Vector.html) positions, int offset, int length)            Resets the location for all the UndoPosRef instances in positions. |

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

| Fields in [javax.swing.text.html](http://docs.google.com/javax/swing/text/html/package-summary.html) declared as [Vector](http://docs.google.com/java/util/Vector.html) | |
| --- | --- |
| protected  [Vector](http://docs.google.com/java/util/Vector.html)<[DefaultStyledDocument.ElementSpec](http://docs.google.com/javax/swing/text/DefaultStyledDocument.ElementSpec.html)> | **HTMLDocument.HTMLReader.**[**parseBuffer**](http://docs.google.com/javax/swing/text/html/HTMLDocument.HTMLReader.html#parseBuffer) |

| Uses of [Vector](http://docs.google.com/java/util/Vector.html) in [javax.swing.text.html.parser](http://docs.google.com/javax/swing/text/html/parser/package-summary.html) | |
| --- | --- |

| Fields in [javax.swing.text.html.parser](http://docs.google.com/javax/swing/text/html/parser/package-summary.html) declared as [Vector](http://docs.google.com/java/util/Vector.html) | |
| --- | --- |
| [Vector](http://docs.google.com/java/util/Vector.html)<[Element](http://docs.google.com/javax/swing/text/html/parser/Element.html)> | **DTD.**[**elements**](http://docs.google.com/javax/swing/text/html/parser/DTD.html#elements) |
| [Vector](http://docs.google.com/java/util/Vector.html)<?> | **AttributeList.**[**values**](http://docs.google.com/javax/swing/text/html/parser/AttributeList.html#values) |

| Methods in [javax.swing.text.html.parser](http://docs.google.com/javax/swing/text/html/parser/package-summary.html) with parameters of type [Vector](http://docs.google.com/java/util/Vector.html) | |
| --- | --- |
| void | **ContentModel.**[**getElements**](http://docs.google.com/javax/swing/text/html/parser/ContentModel.html#getElements(java.util.Vector))([Vector](http://docs.google.com/java/util/Vector.html)<[Element](http://docs.google.com/javax/swing/text/html/parser/Element.html)> elemVec)            Update elemVec with the list of elements that are part of the this contentModel. |

| Constructors in [javax.swing.text.html.parser](http://docs.google.com/javax/swing/text/html/parser/package-summary.html) with parameters of type [Vector](http://docs.google.com/java/util/Vector.html) | |
| --- | --- |
| [**AttributeList**](http://docs.google.com/javax/swing/text/html/parser/AttributeList.html#AttributeList(java.lang.String,%20int,%20int,%20java.lang.String,%20java.util.Vector,%20javax.swing.text.html.parser.AttributeList))([String](http://docs.google.com/java/lang/String.html) name, int type, int modifier, [String](http://docs.google.com/java/lang/String.html) value, [Vector](http://docs.google.com/java/util/Vector.html)<?> values, [AttributeList](http://docs.google.com/javax/swing/text/html/parser/AttributeList.html) next)            Create an attribute list element. |

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

| Fields in [javax.swing.tree](http://docs.google.com/javax/swing/tree/package-summary.html) declared as [Vector](http://docs.google.com/java/util/Vector.html) | |
| --- | --- |
| protected  [Vector](http://docs.google.com/java/util/Vector.html) | **DefaultMutableTreeNode.**[**children**](http://docs.google.com/javax/swing/tree/DefaultMutableTreeNode.html#children)            array of children, may be null if this node has no children |

| Methods in [javax.swing.tree](http://docs.google.com/javax/swing/tree/package-summary.html) with parameters of type [Vector](http://docs.google.com/java/util/Vector.html) | |
| --- | --- |
| protected  void | **DefaultTreeSelectionModel.**[**notifyPathChange**](http://docs.google.com/javax/swing/tree/DefaultTreeSelectionModel.html#notifyPathChange(java.util.Vector,%20javax.swing.tree.TreePath))([Vector](http://docs.google.com/java/util/Vector.html)<javax.swing.tree.PathPlaceHolder> changedPaths, [TreePath](http://docs.google.com/javax/swing/tree/TreePath.html) oldLeadSelection)            Notifies listeners of a change in path. |

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

| Fields in [javax.swing.undo](http://docs.google.com/javax/swing/undo/package-summary.html) declared as [Vector](http://docs.google.com/java/util/Vector.html) | |
| --- | --- |
| protected  [Vector](http://docs.google.com/java/util/Vector.html)<[UndoableEdit](http://docs.google.com/javax/swing/undo/UndoableEdit.html)> | **CompoundEdit.**[**edits**](http://docs.google.com/javax/swing/undo/CompoundEdit.html#edits)            The collection of UndoableEdits undone/redone en masse by this CompoundEdit. |
| protected  [Vector](http://docs.google.com/java/util/Vector.html)<[UndoableEditListener](http://docs.google.com/javax/swing/event/UndoableEditListener.html)> | **UndoableEditSupport.**[**listeners**](http://docs.google.com/javax/swing/undo/UndoableEditSupport.html#listeners) |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/util/Vector.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-useVector.html)    [**NO FRAMES**](http://docs.google.com/Vector.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).