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

**Uses of Class**

**java.lang.Deprecated**

| Packages that use [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| [**java.awt**](#3znysh7) | Contains all of the classes for creating user interfaces and for painting graphics and images. |
| [**java.awt.datatransfer**](#2et92p0) | Provides interfaces and classes for transferring data between and within applications. |
| [**java.awt.event**](#tyjcwt) | Provides interfaces and classes for dealing with different types of events fired by AWT components. |
| [**java.awt.image.renderable**](#3dy6vkm) | Provides classes and interfaces for producing rendering-independent images. |
| [**java.io**](#1t3h5sf) | Provides for system input and output through data streams, serialization and the file system. |
| [**java.lang**](#4d34og8) | Provides classes that are fundamental to the design of the Java programming language. |
| [**java.net**](#2s8eyo1) | Provides the classes for implementing networking applications. |
| [**java.rmi**](#17dp8vu) | Provides the RMI package. |
| [**java.rmi.dgc**](#3rdcrjn) | Provides classes and interface for RMI distributed garbage-collection (DGC). |
| [**java.rmi.registry**](#26in1rg) | Provides a class and two interfaces for the RMI registry. |
| [**java.rmi.server**](#lnxbz9) | Provides classes and interfaces for supporting the server side of RMI. |
| [**java.security**](#35nkun2) | Provides the classes and interfaces for the security framework. |
| [**java.sql**](#1ksv4uv) | Provides the API for accessing and processing data stored in a data source (usually a relational database) using the JavaTM programming language. |
| [**java.util**](#44sinio) | 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.logging**](#2jxsxqh) | Provides the classes and interfaces of the JavaTM 2 platform's core logging facilities. |
| [**javax.accessibility**](#z337ya) | Defines a contract between user-interface components and an assistive technology that provides access to those components. |
| [**javax.jws.soap**](#3j2qqm3) |  |
| [**javax.management**](#1y810tw) | Provides the core classes for the Java Management Extensions. |
| [**javax.management.loading**](#4i7ojhp) | Provides the classes which implement advanced dynamic loading. |
| [**javax.management.monitor**](#2xcytpi) | Provides the definition of the monitor classes. |
| [**javax.management.openmbean**](#1ci93xb) | Provides the open data types and Open MBean descriptor classes. |
| [**javax.security.auth**](#3whwml4) | This package provides a framework for authentication and authorization. |
| [**javax.swing**](#2bn6wsx) | 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**](#qsh70q) | Provides user interface objects built according to the Basic look and feel. |
| [**javax.swing.plaf.metal**](#3as4poj) | Provides user interface objects built according to the Java look and feel (once codenamed *Metal*), which is the default look and feel. |
| [**javax.swing.table**](#1pxezwc) | Provides classes and interfaces for dealing with javax.swing.JTable. |
| [**javax.swing.text**](#49x2ik5) | Provides classes and interfaces that deal with editable and noneditable text components. |
| [**javax.swing.text.html**](#2p2csry) | Provides the class HTMLEditorKit and supporting classes for creating HTML text editors. |
| [**org.omg.CORBA**](#147n2zr) | Provides the mapping of the OMG CORBA APIs to the JavaTM programming language, including the class ORB, which is implemented so that a programmer can use it as a fully-functional Object Request Broker (ORB). |
| [**org.omg.CORBA.portable**](#3o7alnk) | Provides a portability layer, that is, a set of ORB APIs that makes it possible for code generated by one vendor to run on another vendor's ORB. |

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

| Fields in [java.awt](http://docs.google.com/java/awt/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| static int | **Frame.**[**CROSSHAIR\_CURSOR**](http://docs.google.com/java/awt/Frame.html#CROSSHAIR_CURSOR)  **Deprecated.** *replaced by Cursor.CROSSHAIR\_CURSOR.* |
| static int | **Frame.**[**DEFAULT\_CURSOR**](http://docs.google.com/java/awt/Frame.html#DEFAULT_CURSOR)  **Deprecated.** *replaced by Cursor.DEFAULT\_CURSOR.* |
| static int | **Frame.**[**E\_RESIZE\_CURSOR**](http://docs.google.com/java/awt/Frame.html#E_RESIZE_CURSOR)  **Deprecated.** *replaced by Cursor.E\_RESIZE\_CURSOR.* |
| static int | **Frame.**[**HAND\_CURSOR**](http://docs.google.com/java/awt/Frame.html#HAND_CURSOR)  **Deprecated.** *replaced by Cursor.HAND\_CURSOR.* |
| static int | **Frame.**[**MOVE\_CURSOR**](http://docs.google.com/java/awt/Frame.html#MOVE_CURSOR)  **Deprecated.** *replaced by Cursor.MOVE\_CURSOR.* |
| static int | **Frame.**[**N\_RESIZE\_CURSOR**](http://docs.google.com/java/awt/Frame.html#N_RESIZE_CURSOR)  **Deprecated.** *replaced by Cursor.N\_RESIZE\_CURSOR.* |
| static int | **Frame.**[**NE\_RESIZE\_CURSOR**](http://docs.google.com/java/awt/Frame.html#NE_RESIZE_CURSOR)  **Deprecated.** *replaced by Cursor.NE\_RESIZE\_CURSOR.* |
| static int | **Frame.**[**NW\_RESIZE\_CURSOR**](http://docs.google.com/java/awt/Frame.html#NW_RESIZE_CURSOR)  **Deprecated.** *replaced by Cursor.NW\_RESIZE\_CURSOR.* |
| static int | **Frame.**[**S\_RESIZE\_CURSOR**](http://docs.google.com/java/awt/Frame.html#S_RESIZE_CURSOR)  **Deprecated.** *replaced by Cursor.S\_RESIZE\_CURSOR.* |
| static int | **Frame.**[**SE\_RESIZE\_CURSOR**](http://docs.google.com/java/awt/Frame.html#SE_RESIZE_CURSOR)  **Deprecated.** *replaced by Cursor.SE\_RESIZE\_CURSOR.* |
| static int | **Frame.**[**SW\_RESIZE\_CURSOR**](http://docs.google.com/java/awt/Frame.html#SW_RESIZE_CURSOR)  **Deprecated.** *replaced by Cursor.SW\_RESIZE\_CURSOR.* |
| static int | **Frame.**[**TEXT\_CURSOR**](http://docs.google.com/java/awt/Frame.html#TEXT_CURSOR)  **Deprecated.** *replaced by Cursor.TEXT\_CURSOR.* |
| static int | **Frame.**[**W\_RESIZE\_CURSOR**](http://docs.google.com/java/awt/Frame.html#W_RESIZE_CURSOR)  **Deprecated.** *replaced by Cursor.W\_RESIZE\_CURSOR.* |
| static int | **Frame.**[**WAIT\_CURSOR**](http://docs.google.com/java/awt/Frame.html#WAIT_CURSOR)  **Deprecated.** *replaced by Cursor.WAIT\_CURSOR.* |

| Methods in [java.awt](http://docs.google.com/java/awt/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| boolean | **Component.**[**action**](http://docs.google.com/java/awt/Component.html#action(java.awt.Event,%20java.lang.Object))([Event](http://docs.google.com/java/awt/Event.html) evt, [Object](http://docs.google.com/java/lang/Object.html) what)  **Deprecated.** *As of JDK version 1.1, should register this component as ActionListener on component which fires action events.* |
| void | **List.**[**addItem**](http://docs.google.com/java/awt/List.html#addItem(java.lang.String))([String](http://docs.google.com/java/lang/String.html) item)  **Deprecated.** *replaced by add(String).* |
| void | **List.**[**addItem**](http://docs.google.com/java/awt/List.html#addItem(java.lang.String,%20int))([String](http://docs.google.com/java/lang/String.html) item, int index)  **Deprecated.** *replaced by add(String, int).* |
| void | **CardLayout.**[**addLayoutComponent**](http://docs.google.com/java/awt/CardLayout.html#addLayoutComponent(java.lang.String,%20java.awt.Component))([String](http://docs.google.com/java/lang/String.html) name, [Component](http://docs.google.com/java/awt/Component.html) comp)  **Deprecated.** *replaced by addLayoutComponent(Component, Object).* |
| void | **BorderLayout.**[**addLayoutComponent**](http://docs.google.com/java/awt/BorderLayout.html#addLayoutComponent(java.lang.String,%20java.awt.Component))([String](http://docs.google.com/java/lang/String.html) name, [Component](http://docs.google.com/java/awt/Component.html) comp)  **Deprecated.** *replaced by addLayoutComponent(Component, Object).* |
| boolean | **List.**[**allowsMultipleSelections**](http://docs.google.com/java/awt/List.html#allowsMultipleSelections())()  **Deprecated.** *As of JDK version 1.1, replaced by isMultipleMode().* |
| void | **TextArea.**[**appendText**](http://docs.google.com/java/awt/TextArea.html#appendText(java.lang.String))([String](http://docs.google.com/java/lang/String.html) str)  **Deprecated.** *As of JDK version 1.1, replaced by append(String).* |
| void | **Window.**[**applyResourceBundle**](http://docs.google.com/java/awt/Window.html#applyResourceBundle(java.util.ResourceBundle))([ResourceBundle](http://docs.google.com/java/util/ResourceBundle.html) rb)  **Deprecated.** *As of J2SE 1.4, replaced by* [*Component.applyComponentOrientation*](http://docs.google.com/java/awt/Component.html#applyComponentOrientation(java.awt.ComponentOrientation))*.* |
| void | **Window.**[**applyResourceBundle**](http://docs.google.com/java/awt/Window.html#applyResourceBundle(java.lang.String))([String](http://docs.google.com/java/lang/String.html) rbName)  **Deprecated.** *As of J2SE 1.4, replaced by* [*Component.applyComponentOrientation*](http://docs.google.com/java/awt/Component.html#applyComponentOrientation(java.awt.ComponentOrientation))*.* |
| [Rectangle](http://docs.google.com/java/awt/Rectangle.html) | **Component.**[**bounds**](http://docs.google.com/java/awt/Component.html#bounds())()  **Deprecated.** *As of JDK version 1.1, replaced by getBounds().* |
| void | **List.**[**clear**](http://docs.google.com/java/awt/List.html#clear())()  **Deprecated.** *As of JDK version 1.1, replaced by removeAll().* |
| int | **Container.**[**countComponents**](http://docs.google.com/java/awt/Container.html#countComponents())()  **Deprecated.** *As of JDK version 1.1, replaced by getComponentCount().* |
| int | **Menu.**[**countItems**](http://docs.google.com/java/awt/Menu.html#countItems())()  **Deprecated.** *As of JDK version 1.1, replaced by getItemCount().* |
| int | **Choice.**[**countItems**](http://docs.google.com/java/awt/Choice.html#countItems())()  **Deprecated.** *As of JDK version 1.1, replaced by getItemCount().* |
| int | **List.**[**countItems**](http://docs.google.com/java/awt/List.html#countItems())()  **Deprecated.** *As of JDK version 1.1, replaced by getItemCount().* |
| int | **MenuBar.**[**countMenus**](http://docs.google.com/java/awt/MenuBar.html#countMenus())()  **Deprecated.** *As of JDK version 1.1, replaced by getMenuCount().* |
| void | **List.**[**delItem**](http://docs.google.com/java/awt/List.html#delItem(int))(int position)  **Deprecated.** *replaced by remove(String) and remove(int).* |
| void | **List.**[**delItems**](http://docs.google.com/java/awt/List.html#delItems(int,%20int))(int start, int end)  **Deprecated.** *As of JDK version 1.1, Not for public use in the future. This method is expected to be retained only as a package private method.* |
| void | **Container.**[**deliverEvent**](http://docs.google.com/java/awt/Container.html#deliverEvent(java.awt.Event))([Event](http://docs.google.com/java/awt/Event.html) e)  **Deprecated.** *As of JDK version 1.1, replaced by dispatchEvent(AWTEvent e)* |
| void | **Component.**[**deliverEvent**](http://docs.google.com/java/awt/Component.html#deliverEvent(java.awt.Event))([Event](http://docs.google.com/java/awt/Event.html) e)  **Deprecated.** *As of JDK version 1.1, replaced by dispatchEvent(AWTEvent e).* |
| void | **MenuItem.**[**disable**](http://docs.google.com/java/awt/MenuItem.html#disable())()  **Deprecated.** *As of JDK version 1.1, replaced by setEnabled(boolean).* |
| void | **Component.**[**disable**](http://docs.google.com/java/awt/Component.html#disable())()  **Deprecated.** *As of JDK version 1.1, replaced by setEnabled(boolean).* |
| void | **MenuItem.**[**enable**](http://docs.google.com/java/awt/MenuItem.html#enable())()  **Deprecated.** *As of JDK version 1.1, replaced by setEnabled(boolean).* |
| void | **Component.**[**enable**](http://docs.google.com/java/awt/Component.html#enable())()  **Deprecated.** *As of JDK version 1.1, replaced by setEnabled(boolean).* |
| void | **MenuItem.**[**enable**](http://docs.google.com/java/awt/MenuItem.html#enable(boolean))(boolean b)  **Deprecated.** *As of JDK version 1.1, replaced by setEnabled(boolean).* |
| void | **Component.**[**enable**](http://docs.google.com/java/awt/Component.html#enable(boolean))(boolean b)  **Deprecated.** *As of JDK version 1.1, replaced by setEnabled(boolean).* |
| [Rectangle](http://docs.google.com/java/awt/Rectangle.html) | **Polygon.**[**getBoundingBox**](http://docs.google.com/java/awt/Polygon.html#getBoundingBox())()  **Deprecated.** *As of JDK version 1.1, replaced by getBounds().* |
| [Rectangle](http://docs.google.com/java/awt/Rectangle.html) | **Graphics.**[**getClipRect**](http://docs.google.com/java/awt/Graphics.html#getClipRect())()  **Deprecated.** *As of JDK version 1.1, replaced by getClipBounds().* |
| [Checkbox](http://docs.google.com/java/awt/Checkbox.html) | **CheckboxGroup.**[**getCurrent**](http://docs.google.com/java/awt/CheckboxGroup.html#getCurrent())()  **Deprecated.** *As of JDK version 1.1, replaced by getSelectedCheckbox().* |
| int | **Frame.**[**getCursorType**](http://docs.google.com/java/awt/Frame.html#getCursorType())()  **Deprecated.** *As of JDK version 1.1, replaced by Component.getCursor().* |
| abstract  [String](http://docs.google.com/java/lang/String.html)[] | **Toolkit.**[**getFontList**](http://docs.google.com/java/awt/Toolkit.html#getFontList())()  **Deprecated.** *see* [*GraphicsEnvironment.getAvailableFontFamilyNames()*](http://docs.google.com/java/awt/GraphicsEnvironment.html#getAvailableFontFamilyNames()) |
| abstract  [FontMetrics](http://docs.google.com/java/awt/FontMetrics.html) | **Toolkit.**[**getFontMetrics**](http://docs.google.com/java/awt/Toolkit.html#getFontMetrics(java.awt.Font))([Font](http://docs.google.com/java/awt/Font.html) font)  **Deprecated.** *As of JDK version 1.2, replaced by the Font method getLineMetrics.* |
| protected abstract  java.awt.peer.FontPeer | **Toolkit.**[**getFontPeer**](http://docs.google.com/java/awt/Toolkit.html#getFontPeer(java.lang.String,%20int))([String](http://docs.google.com/java/lang/String.html) name, int style)  **Deprecated.** *see java.awt.GraphicsEnvironment#getAllFonts* |
| int | **Scrollbar.**[**getLineIncrement**](http://docs.google.com/java/awt/Scrollbar.html#getLineIncrement())()  **Deprecated.** *As of JDK version 1.1, replaced by getUnitIncrement().* |
| int | **FontMetrics.**[**getMaxDecent**](http://docs.google.com/java/awt/FontMetrics.html#getMaxDecent())()  **Deprecated.** *As of JDK version 1.1.1, replaced by getMaxDescent().* |
| static [ComponentOrientation](http://docs.google.com/java/awt/ComponentOrientation.html) | **ComponentOrientation.**[**getOrientation**](http://docs.google.com/java/awt/ComponentOrientation.html#getOrientation(java.util.ResourceBundle))([ResourceBundle](http://docs.google.com/java/util/ResourceBundle.html) bdl)  **Deprecated.** *As of J2SE 1.4, use* [*ComponentOrientation.getOrientation(java.util.Locale)*](http://docs.google.com/java/awt/ComponentOrientation.html#getOrientation(java.util.Locale))*.* |
| int | **Scrollbar.**[**getPageIncrement**](http://docs.google.com/java/awt/Scrollbar.html#getPageIncrement())()  **Deprecated.** *As of JDK version 1.1, replaced by getBlockIncrement().* |
| java.awt.peer.MenuComponentPeer | **MenuComponent.**[**getPeer**](http://docs.google.com/java/awt/MenuComponent.html#getPeer())()  **Deprecated.** *As of JDK version 1.1, programs should not directly manipulate peers.* |
| java.awt.peer.ComponentPeer | **Component.**[**getPeer**](http://docs.google.com/java/awt/Component.html#getPeer())()  **Deprecated.** *As of JDK version 1.1, programs should not directly manipulate peers; replaced by boolean isDisplayable().* |
| java.awt.peer.FontPeer | **Font.**[**getPeer**](http://docs.google.com/java/awt/Font.html#getPeer())()  **Deprecated.** *Font rendering is now platform independent.* |
| int | **Scrollbar.**[**getVisible**](http://docs.google.com/java/awt/Scrollbar.html#getVisible())()  **Deprecated.** *As of JDK version 1.1, replaced by getVisibleAmount().* |
| boolean | **Component.**[**gotFocus**](http://docs.google.com/java/awt/Component.html#gotFocus(java.awt.Event,%20java.lang.Object))([Event](http://docs.google.com/java/awt/Event.html) evt, [Object](http://docs.google.com/java/lang/Object.html) what)  **Deprecated.** *As of JDK version 1.1, replaced by processFocusEvent(FocusEvent).* |
| boolean | **Component.**[**handleEvent**](http://docs.google.com/java/awt/Component.html#handleEvent(java.awt.Event))([Event](http://docs.google.com/java/awt/Event.html) evt)  **Deprecated.** *As of JDK version 1.1 replaced by processEvent(AWTEvent).* |
| void | **Dialog.**[**hide**](http://docs.google.com/java/awt/Dialog.html#hide())()  **Deprecated.** *As of JDK version 1.5, replaced by* [*setVisible(boolean)*](http://docs.google.com/java/awt/Dialog.html#setVisible(boolean))*.* |
| void | **Window.**[**hide**](http://docs.google.com/java/awt/Window.html#hide())()  **Deprecated.** *As of JDK version 1.5, replaced by* [*Window.setVisible(boolean)*](http://docs.google.com/java/awt/Window.html#setVisible(boolean))*.* |
| void | **Component.**[**hide**](http://docs.google.com/java/awt/Component.html#hide())()  **Deprecated.** *As of JDK version 1.1, replaced by setVisible(boolean).* |
| void | **TextArea.**[**insertText**](http://docs.google.com/java/awt/TextArea.html#insertText(java.lang.String,%20int))([String](http://docs.google.com/java/lang/String.html) str, int pos)  **Deprecated.** *As of JDK version 1.1, replaced by insert(String, int).* |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **Container.**[**insets**](http://docs.google.com/java/awt/Container.html#insets())()  **Deprecated.** *As of JDK version 1.1, replaced by getInsets().* |
| boolean | **Rectangle.**[**inside**](http://docs.google.com/java/awt/Rectangle.html#inside(int,%20int))(int X, int Y)  **Deprecated.** *As of JDK version 1.1, replaced by contains(int, int).* |
| boolean | **Component.**[**inside**](http://docs.google.com/java/awt/Component.html#inside(int,%20int))(int x, int y)  **Deprecated.** *As of JDK version 1.1, replaced by contains(int, int).* |
| boolean | **Polygon.**[**inside**](http://docs.google.com/java/awt/Polygon.html#inside(int,%20int))(int x, int y)  **Deprecated.** *As of JDK version 1.1, replaced by contains(int, int).* |
| boolean | **Component.**[**isFocusTraversable**](http://docs.google.com/java/awt/Component.html#isFocusTraversable())()  **Deprecated.** *As of 1.4, replaced by isFocusable().* |
| boolean | **List.**[**isSelected**](http://docs.google.com/java/awt/List.html#isSelected(int))(int index)  **Deprecated.** *As of JDK version 1.1, replaced by isIndexSelected(int).* |
| boolean | **Component.**[**keyDown**](http://docs.google.com/java/awt/Component.html#keyDown(java.awt.Event,%20int))([Event](http://docs.google.com/java/awt/Event.html) evt, int key)  **Deprecated.** *As of JDK version 1.1, replaced by processKeyEvent(KeyEvent).* |
| boolean | **Component.**[**keyUp**](http://docs.google.com/java/awt/Component.html#keyUp(java.awt.Event,%20int))([Event](http://docs.google.com/java/awt/Event.html) evt, int key)  **Deprecated.** *As of JDK version 1.1, replaced by processKeyEvent(KeyEvent).* |
| void | **Container.**[**layout**](http://docs.google.com/java/awt/Container.html#layout())()  **Deprecated.** *As of JDK version 1.1, replaced by doLayout().* |
| void | **ScrollPane.**[**layout**](http://docs.google.com/java/awt/ScrollPane.html#layout())()  **Deprecated.** *As of JDK version 1.1, replaced by doLayout().* |
| void | **Component.**[**layout**](http://docs.google.com/java/awt/Component.html#layout())()  **Deprecated.** *As of JDK version 1.1, replaced by doLayout().* |
| [Component](http://docs.google.com/java/awt/Component.html) | **Container.**[**locate**](http://docs.google.com/java/awt/Container.html#locate(int,%20int))(int x, int y)  **Deprecated.** *As of JDK version 1.1, replaced by getComponentAt(int, int).* |
| [Component](http://docs.google.com/java/awt/Component.html) | **Component.**[**locate**](http://docs.google.com/java/awt/Component.html#locate(int,%20int))(int x, int y)  **Deprecated.** *As of JDK version 1.1, replaced by getComponentAt(int, int).* |
| [Point](http://docs.google.com/java/awt/Point.html) | **Component.**[**location**](http://docs.google.com/java/awt/Component.html#location())()  **Deprecated.** *As of JDK version 1.1, replaced by getLocation().* |
| boolean | **Component.**[**lostFocus**](http://docs.google.com/java/awt/Component.html#lostFocus(java.awt.Event,%20java.lang.Object))([Event](http://docs.google.com/java/awt/Event.html) evt, [Object](http://docs.google.com/java/lang/Object.html) what)  **Deprecated.** *As of JDK version 1.1, replaced by processFocusEvent(FocusEvent).* |
| [Dimension](http://docs.google.com/java/awt/Dimension.html) | **TextArea.**[**minimumSize**](http://docs.google.com/java/awt/TextArea.html#minimumSize())()  **Deprecated.** *As of JDK version 1.1, replaced by getMinimumSize().* |
| [Dimension](http://docs.google.com/java/awt/Dimension.html) | **Container.**[**minimumSize**](http://docs.google.com/java/awt/Container.html#minimumSize())()  **Deprecated.** *As of JDK version 1.1, replaced by getMinimumSize().* |
| [Dimension](http://docs.google.com/java/awt/Dimension.html) | **List.**[**minimumSize**](http://docs.google.com/java/awt/List.html#minimumSize())()  **Deprecated.** *As of JDK version 1.1, replaced by getMinimumSize().* |
| [Dimension](http://docs.google.com/java/awt/Dimension.html) | **TextField.**[**minimumSize**](http://docs.google.com/java/awt/TextField.html#minimumSize())()  **Deprecated.** *As of JDK version 1.1, replaced by getMinimumSize().* |
| [Dimension](http://docs.google.com/java/awt/Dimension.html) | **Component.**[**minimumSize**](http://docs.google.com/java/awt/Component.html#minimumSize())()  **Deprecated.** *As of JDK version 1.1, replaced by getMinimumSize().* |
| [Dimension](http://docs.google.com/java/awt/Dimension.html) | **List.**[**minimumSize**](http://docs.google.com/java/awt/List.html#minimumSize(int))(int rows)  **Deprecated.** *As of JDK version 1.1, replaced by getMinimumSize(int).* |
| [Dimension](http://docs.google.com/java/awt/Dimension.html) | **TextField.**[**minimumSize**](http://docs.google.com/java/awt/TextField.html#minimumSize(int))(int columns)  **Deprecated.** *As of JDK version 1.1, replaced by getMinimumSize(int).* |
| [Dimension](http://docs.google.com/java/awt/Dimension.html) | **TextArea.**[**minimumSize**](http://docs.google.com/java/awt/TextArea.html#minimumSize(int,%20int))(int rows, int columns)  **Deprecated.** *As of JDK version 1.1, replaced by getMinimumSize(int, int).* |
| boolean | **Component.**[**mouseDown**](http://docs.google.com/java/awt/Component.html#mouseDown(java.awt.Event,%20int,%20int))([Event](http://docs.google.com/java/awt/Event.html) evt, int x, int y)  **Deprecated.** *As of JDK version 1.1, replaced by processMouseEvent(MouseEvent).* |
| boolean | **Component.**[**mouseDrag**](http://docs.google.com/java/awt/Component.html#mouseDrag(java.awt.Event,%20int,%20int))([Event](http://docs.google.com/java/awt/Event.html) evt, int x, int y)  **Deprecated.** *As of JDK version 1.1, replaced by processMouseMotionEvent(MouseEvent).* |
| boolean | **Component.**[**mouseEnter**](http://docs.google.com/java/awt/Component.html#mouseEnter(java.awt.Event,%20int,%20int))([Event](http://docs.google.com/java/awt/Event.html) evt, int x, int y)  **Deprecated.** *As of JDK version 1.1, replaced by processMouseEvent(MouseEvent).* |
| boolean | **Component.**[**mouseExit**](http://docs.google.com/java/awt/Component.html#mouseExit(java.awt.Event,%20int,%20int))([Event](http://docs.google.com/java/awt/Event.html) evt, int x, int y)  **Deprecated.** *As of JDK version 1.1, replaced by processMouseEvent(MouseEvent).* |
| boolean | **Component.**[**mouseMove**](http://docs.google.com/java/awt/Component.html#mouseMove(java.awt.Event,%20int,%20int))([Event](http://docs.google.com/java/awt/Event.html) evt, int x, int y)  **Deprecated.** *As of JDK version 1.1, replaced by processMouseMotionEvent(MouseEvent).* |
| boolean | **Component.**[**mouseUp**](http://docs.google.com/java/awt/Component.html#mouseUp(java.awt.Event,%20int,%20int))([Event](http://docs.google.com/java/awt/Event.html) evt, int x, int y)  **Deprecated.** *As of JDK version 1.1, replaced by processMouseEvent(MouseEvent).* |
| void | **Rectangle.**[**move**](http://docs.google.com/java/awt/Rectangle.html#move(int,%20int))(int x, int y)  **Deprecated.** *As of JDK version 1.1, replaced by setLocation(int, int).* |
| void | **Component.**[**move**](http://docs.google.com/java/awt/Component.html#move(int,%20int))(int x, int y)  **Deprecated.** *As of JDK version 1.1, replaced by setLocation(int, int).* |
| void | **Component.**[**nextFocus**](http://docs.google.com/java/awt/Component.html#nextFocus())()  **Deprecated.** *As of JDK version 1.1, replaced by transferFocus().* |
| boolean | **MenuComponent.**[**postEvent**](http://docs.google.com/java/awt/MenuComponent.html#postEvent(java.awt.Event))([Event](http://docs.google.com/java/awt/Event.html) evt)  **Deprecated.** *As of JDK version 1.1, replaced by* [*dispatchEvent*](http://docs.google.com/java/awt/MenuComponent.html#dispatchEvent(java.awt.AWTEvent))*.* |
| boolean | **Window.**[**postEvent**](http://docs.google.com/java/awt/Window.html#postEvent(java.awt.Event))([Event](http://docs.google.com/java/awt/Event.html) e)  **Deprecated.** *As of JDK version 1.1 replaced by dispatchEvent(AWTEvent).* |
| boolean | **Component.**[**postEvent**](http://docs.google.com/java/awt/Component.html#postEvent(java.awt.Event))([Event](http://docs.google.com/java/awt/Event.html) e)  **Deprecated.** *As of JDK version 1.1, replaced by dispatchEvent(AWTEvent).* |
| boolean | **MenuContainer.**[**postEvent**](http://docs.google.com/java/awt/MenuContainer.html#postEvent(java.awt.Event))([Event](http://docs.google.com/java/awt/Event.html) evt)  **Deprecated.** *As of JDK version 1.1 replaced by dispatchEvent(AWTEvent).* |
| [Dimension](http://docs.google.com/java/awt/Dimension.html) | **TextArea.**[**preferredSize**](http://docs.google.com/java/awt/TextArea.html#preferredSize())()  **Deprecated.** *As of JDK version 1.1, replaced by getPreferredSize().* |
| [Dimension](http://docs.google.com/java/awt/Dimension.html) | **Container.**[**preferredSize**](http://docs.google.com/java/awt/Container.html#preferredSize())()  **Deprecated.** *As of JDK version 1.1, replaced by getPreferredSize().* |
| [Dimension](http://docs.google.com/java/awt/Dimension.html) | **List.**[**preferredSize**](http://docs.google.com/java/awt/List.html#preferredSize())()  **Deprecated.** *As of JDK version 1.1, replaced by getPreferredSize().* |
| [Dimension](http://docs.google.com/java/awt/Dimension.html) | **TextField.**[**preferredSize**](http://docs.google.com/java/awt/TextField.html#preferredSize())()  **Deprecated.** *As of JDK version 1.1, replaced by getPreferredSize().* |
| [Dimension](http://docs.google.com/java/awt/Dimension.html) | **Component.**[**preferredSize**](http://docs.google.com/java/awt/Component.html#preferredSize())()  **Deprecated.** *As of JDK version 1.1, replaced by getPreferredSize().* |
| [Dimension](http://docs.google.com/java/awt/Dimension.html) | **List.**[**preferredSize**](http://docs.google.com/java/awt/List.html#preferredSize(int))(int rows)  **Deprecated.** *As of JDK version 1.1, replaced by getPreferredSize(int).* |
| [Dimension](http://docs.google.com/java/awt/Dimension.html) | **TextField.**[**preferredSize**](http://docs.google.com/java/awt/TextField.html#preferredSize(int))(int columns)  **Deprecated.** *As of JDK version 1.1, replaced by getPreferredSize(int).* |
| [Dimension](http://docs.google.com/java/awt/Dimension.html) | **TextArea.**[**preferredSize**](http://docs.google.com/java/awt/TextArea.html#preferredSize(int,%20int))(int rows, int columns)  **Deprecated.** *As of JDK version 1.1, replaced by getPreferredSize(int, int).* |
| void | **TextArea.**[**replaceText**](http://docs.google.com/java/awt/TextArea.html#replaceText(java.lang.String,%20int,%20int))([String](http://docs.google.com/java/lang/String.html) str, int start, int end)  **Deprecated.** *As of JDK version 1.1, replaced by replaceRange(String, int, int).* |
| void | **Window.**[**reshape**](http://docs.google.com/java/awt/Window.html#reshape(int,%20int,%20int,%20int))(int x, int y, int width, int height)  **Deprecated.** *As of JDK version 1.1, replaced by setBounds(int, int, int, int).* |
| void | **Rectangle.**[**reshape**](http://docs.google.com/java/awt/Rectangle.html#reshape(int,%20int,%20int,%20int))(int x, int y, int width, int height)  **Deprecated.** *As of JDK version 1.1, replaced by setBounds(int, int, int, int).* |
| void | **Component.**[**reshape**](http://docs.google.com/java/awt/Component.html#reshape(int,%20int,%20int,%20int))(int x, int y, int width, int height)  **Deprecated.** *As of JDK version 1.1, replaced by setBounds(int, int, int, int).* |
| void | **Component.**[**resize**](http://docs.google.com/java/awt/Component.html#resize(java.awt.Dimension))([Dimension](http://docs.google.com/java/awt/Dimension.html) d)  **Deprecated.** *As of JDK version 1.1, replaced by setSize(Dimension).* |
| void | **Rectangle.**[**resize**](http://docs.google.com/java/awt/Rectangle.html#resize(int,%20int))(int width, int height)  **Deprecated.** *As of JDK version 1.1, replaced by setSize(int, int).* |
| void | **Component.**[**resize**](http://docs.google.com/java/awt/Component.html#resize(int,%20int))(int width, int height)  **Deprecated.** *As of JDK version 1.1, replaced by setSize(int, int).* |
| void | **CheckboxGroup.**[**setCurrent**](http://docs.google.com/java/awt/CheckboxGroup.html#setCurrent(java.awt.Checkbox))([Checkbox](http://docs.google.com/java/awt/Checkbox.html) box)  **Deprecated.** *As of JDK version 1.1, replaced by setSelectedCheckbox(Checkbox).* |
| void | **Frame.**[**setCursor**](http://docs.google.com/java/awt/Frame.html#setCursor(int))(int cursorType)  **Deprecated.** *As of JDK version 1.1, replaced by Component.setCursor(Cursor).* |
| void | **TextField.**[**setEchoCharacter**](http://docs.google.com/java/awt/TextField.html#setEchoCharacter(char))(char c)  **Deprecated.** *As of JDK version 1.1, replaced by setEchoChar(char).* |
| void | **Scrollbar.**[**setLineIncrement**](http://docs.google.com/java/awt/Scrollbar.html#setLineIncrement(int))(int v)  **Deprecated.** *As of JDK version 1.1, replaced by setUnitIncrement(int).* |
| void | **List.**[**setMultipleSelections**](http://docs.google.com/java/awt/List.html#setMultipleSelections(boolean))(boolean b)  **Deprecated.** *As of JDK version 1.1, replaced by setMultipleMode(boolean).* |
| void | **Scrollbar.**[**setPageIncrement**](http://docs.google.com/java/awt/Scrollbar.html#setPageIncrement(int))(int v)  **Deprecated.** *As of JDK version 1.1, replaced by setBlockIncrement().* |
| void | **Dialog.**[**show**](http://docs.google.com/java/awt/Dialog.html#show())()  **Deprecated.** *As of JDK version 1.5, replaced by* [*setVisible(boolean)*](http://docs.google.com/java/awt/Dialog.html#setVisible(boolean))*.* |
| void | **Window.**[**show**](http://docs.google.com/java/awt/Window.html#show())()  **Deprecated.** *As of JDK version 1.5, replaced by* [*Window.setVisible(boolean)*](http://docs.google.com/java/awt/Window.html#setVisible(boolean))*.* |
| void | **Component.**[**show**](http://docs.google.com/java/awt/Component.html#show())()  **Deprecated.** *As of JDK version 1.1, replaced by setVisible(boolean).* |
| void | **Component.**[**show**](http://docs.google.com/java/awt/Component.html#show(boolean))(boolean b)  **Deprecated.** *As of JDK version 1.1, replaced by setVisible(boolean).* |
| [Dimension](http://docs.google.com/java/awt/Dimension.html) | **Component.**[**size**](http://docs.google.com/java/awt/Component.html#size())()  **Deprecated.** *As of JDK version 1.1, replaced by getSize().* |

| Uses of [Deprecated](http://docs.google.com/java/lang/Deprecated.html) in [java.awt.datatransfer](http://docs.google.com/java/awt/datatransfer/package-summary.html) | |
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| Fields in [java.awt.datatransfer](http://docs.google.com/java/awt/datatransfer/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| static [DataFlavor](http://docs.google.com/java/awt/datatransfer/DataFlavor.html) | **DataFlavor.**[**plainTextFlavor**](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#plainTextFlavor)  **Deprecated.** *as of 1.3. Use DataFlavor.getReaderForText(Transferable) instead of Transferable.getTransferData(DataFlavor.plainTextFlavor).* |

| Methods in [java.awt.datatransfer](http://docs.google.com/java/awt/datatransfer/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| boolean | **DataFlavor.**[**equals**](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#equals(java.lang.String))([String](http://docs.google.com/java/lang/String.html) s)  **Deprecated.** *As inconsistent with hashCode() contract, use isMimeTypeEqual(String) instead.* |
| protected  [String](http://docs.google.com/java/lang/String.html) | **DataFlavor.**[**normalizeMimeType**](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#normalizeMimeType(java.lang.String))([String](http://docs.google.com/java/lang/String.html) mimeType)  **Deprecated.** |
| protected  [String](http://docs.google.com/java/lang/String.html) | **DataFlavor.**[**normalizeMimeTypeParameter**](http://docs.google.com/java/awt/datatransfer/DataFlavor.html#normalizeMimeTypeParameter(java.lang.String,%20java.lang.String))([String](http://docs.google.com/java/lang/String.html) parameterName, [String](http://docs.google.com/java/lang/String.html) parameterValue)  **Deprecated.** |

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

| Methods in [java.awt.event](http://docs.google.com/java/awt/event/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| void | **KeyEvent.**[**setModifiers**](http://docs.google.com/java/awt/event/KeyEvent.html#setModifiers(int))(int modifiers)  **Deprecated.** *as of JDK1.1.4* |

| Constructors in [java.awt.event](http://docs.google.com/java/awt/event/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| [**KeyEvent**](http://docs.google.com/java/awt/event/KeyEvent.html#KeyEvent(java.awt.Component,%20int,%20long,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) source, int id, long when, int modifiers, int keyCode)  **Deprecated.** *as of JDK1.1* |

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

| Methods in [java.awt.image.renderable](http://docs.google.com/java/awt/image/renderable/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| void | **RenderContext.**[**concetenateTransform**](http://docs.google.com/java/awt/image/renderable/RenderContext.html#concetenateTransform(java.awt.geom.AffineTransform))([AffineTransform](http://docs.google.com/java/awt/geom/AffineTransform.html) modTransform)  **Deprecated.** *replaced by concatenateTransform(AffineTransform).* |
| void | **RenderContext.**[**preConcetenateTransform**](http://docs.google.com/java/awt/image/renderable/RenderContext.html#preConcetenateTransform(java.awt.geom.AffineTransform))([AffineTransform](http://docs.google.com/java/awt/geom/AffineTransform.html) modTransform)  **Deprecated.** *replaced by preConcatenateTransform(AffineTransform).* |

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

| Classes in [java.io](http://docs.google.com/java/io/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| class | [**LineNumberInputStream**](http://docs.google.com/java/io/LineNumberInputStream.html)  **Deprecated.** *This class incorrectly assumes that bytes adequately represent characters. As of JDK 1.1, the preferred way to operate on character streams is via the new character-stream classes, which include a class for counting line numbers.* |
| class | [**StringBufferInputStream**](http://docs.google.com/java/io/StringBufferInputStream.html)  **Deprecated.** *This class does not properly convert characters into bytes. As of JDK 1.1, the preferred way to create a stream from a string is via the StringReader class.* |

| Methods in [java.io](http://docs.google.com/java/io/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| [String](http://docs.google.com/java/lang/String.html) | **DataInputStream.**[**readLine**](http://docs.google.com/java/io/DataInputStream.html#readLine())()  **Deprecated.** *This method does not properly convert bytes to characters. As of JDK 1.1, the preferred way to read lines of text is via the BufferedReader.readLine() method. Programs that use the DataInputStream class to read lines can be converted to use the BufferedReader class by replacing code of the form:*  *DataInputStream d = new DataInputStream(in);*  *with:*  *BufferedReader d  = new BufferedReader(new InputStreamReader(in));* |
| [String](http://docs.google.com/java/lang/String.html) | **ObjectInputStream.**[**readLine**](http://docs.google.com/java/io/ObjectInputStream.html#readLine())()  **Deprecated.** *This method does not properly convert bytes to characters. see DataInputStream for the details and alternatives.* |
| [String](http://docs.google.com/java/lang/String.html) | **ByteArrayOutputStream.**[**toString**](http://docs.google.com/java/io/ByteArrayOutputStream.html#toString(int))(int hibyte)  **Deprecated.** *This method does not properly convert bytes into characters. As of JDK 1.1, the preferred way to do this is via the toString(String enc) method, which takes an encoding-name argument, or the toString() method, which uses the platform's default character encoding.* |
| [URL](http://docs.google.com/java/net/URL.html) | **File.**[**toURL**](http://docs.google.com/java/io/File.html#toURL())()  **Deprecated.** *This method does not automatically escape characters that are illegal in URLs. It is recommended that new code convert an abstract pathname into a URL by first converting it into a URI, via the* [*toURI*](http://docs.google.com/java/io/File.html#toURI()) *method, and then converting the URI into a URL via the* [*URI.toURL*](http://docs.google.com/java/net/URI.html#toURL()) *method.* |
| abstract  void | **ObjectOutputStream.PutField.**[**write**](http://docs.google.com/java/io/ObjectOutputStream.PutField.html#write(java.io.ObjectOutput))([ObjectOutput](http://docs.google.com/java/io/ObjectOutput.html) out)  **Deprecated.** *This method does not write the values contained by this PutField object in a proper format, and may result in corruption of the serialization stream. The correct way to write PutField data is by calling the* [*ObjectOutputStream.writeFields()*](http://docs.google.com/java/io/ObjectOutputStream.html#writeFields()) *method.* |

| Constructors in [java.io](http://docs.google.com/java/io/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| [**StreamTokenizer**](http://docs.google.com/java/io/StreamTokenizer.html#StreamTokenizer(java.io.InputStream))([InputStream](http://docs.google.com/java/io/InputStream.html) is)  **Deprecated.** *As of JDK version 1.1, the preferred way to tokenize an input stream is to convert it into a character stream, for example:*  *Reader r = new BufferedReader(new InputStreamReader(is));  StreamTokenizer st = new StreamTokenizer(r);* |

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

| Fields in [java.lang](http://docs.google.com/java/lang/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| protected  boolean | **SecurityManager.**[**inCheck**](http://docs.google.com/java/lang/SecurityManager.html#inCheck)  **Deprecated.** *This type of security checking is not recommended. It is recommended that the checkPermission call be used instead.* |
| static [Character.UnicodeBlock](http://docs.google.com/java/lang/Character.UnicodeBlock.html) | **Character.UnicodeBlock.**[**SURROGATES\_AREA**](http://docs.google.com/java/lang/Character.UnicodeBlock.html#SURROGATES_AREA)  **Deprecated.** *As of J2SE 5, use* [*Character.UnicodeBlock.HIGH\_SURROGATES*](http://docs.google.com/java/lang/Character.UnicodeBlock.html#HIGH_SURROGATES)*,* [*Character.UnicodeBlock.HIGH\_PRIVATE\_USE\_SURROGATES*](http://docs.google.com/java/lang/Character.UnicodeBlock.html#HIGH_PRIVATE_USE_SURROGATES)*, and* [*Character.UnicodeBlock.LOW\_SURROGATES*](http://docs.google.com/java/lang/Character.UnicodeBlock.html#LOW_SURROGATES)*. These new constants match the block definitions of the Unicode Standard. The* [*Character.UnicodeBlock.of(char)*](http://docs.google.com/java/lang/Character.UnicodeBlock.html#of(char)) *and* [*Character.UnicodeBlock.of(int)*](http://docs.google.com/java/lang/Character.UnicodeBlock.html#of(int)) *methods return the new constants, not SURROGATES\_AREA.* |

| Methods in [java.lang](http://docs.google.com/java/lang/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| boolean | **ThreadGroup.**[**allowThreadSuspension**](http://docs.google.com/java/lang/ThreadGroup.html#allowThreadSuspension(boolean))(boolean b)  **Deprecated.** *The definition of this call depends on* [*ThreadGroup.suspend()*](http://docs.google.com/java/lang/ThreadGroup.html#suspend())*, which is deprecated. Further, the behavior of this call was never specified.* |
| void | **SecurityManager.**[**checkMulticast**](http://docs.google.com/java/lang/SecurityManager.html#checkMulticast(java.net.InetAddress,%20byte))([InetAddress](http://docs.google.com/java/net/InetAddress.html) maddr, byte ttl)  **Deprecated.** *Use #checkPermission(java.security.Permission) instead* |
| protected  int | **SecurityManager.**[**classDepth**](http://docs.google.com/java/lang/SecurityManager.html#classDepth(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)  **Deprecated.** *This type of security checking is not recommended. It is recommended that the checkPermission call be used instead.* |
| protected  int | **SecurityManager.**[**classLoaderDepth**](http://docs.google.com/java/lang/SecurityManager.html#classLoaderDepth())()  **Deprecated.** *This type of security checking is not recommended. It is recommended that the checkPermission call be used instead.* |
| int | **Thread.**[**countStackFrames**](http://docs.google.com/java/lang/Thread.html#countStackFrames())()  **Deprecated.** *The definition of this call depends on* [*Thread.suspend()*](http://docs.google.com/java/lang/Thread.html#suspend())*, which is deprecated. Further, the results of this call were never well-defined.* |
| protected  [ClassLoader](http://docs.google.com/java/lang/ClassLoader.html) | **SecurityManager.**[**currentClassLoader**](http://docs.google.com/java/lang/SecurityManager.html#currentClassLoader())()  **Deprecated.** *This type of security checking is not recommended. It is recommended that the checkPermission call be used instead.* |
| protected  [Class](http://docs.google.com/java/lang/Class.html)<?> | **SecurityManager.**[**currentLoadedClass**](http://docs.google.com/java/lang/SecurityManager.html#currentLoadedClass())()  **Deprecated.** *This type of security checking is not recommended. It is recommended that the checkPermission call be used instead.* |
| protected  [Class](http://docs.google.com/java/lang/Class.html)<?> | **ClassLoader.**[**defineClass**](http://docs.google.com/java/lang/ClassLoader.html#defineClass(byte%5B%5D,%20int,%20int))(byte[] b, int off, int len)  **Deprecated.** *Replaced by* [*defineClass(String, byte[], int, int)*](http://docs.google.com/java/lang/ClassLoader.html#defineClass(java.lang.String,%20byte%5B%5D,%20int,%20int)) |
| void | **Thread.**[**destroy**](http://docs.google.com/java/lang/Thread.html#destroy())()  **Deprecated.** *This method was originally designed to destroy this thread without any cleanup. Any monitors it held would have remained locked. However, the method was never implemented. If if were to be implemented, it would be deadlock-prone in much the manner of* [*Thread.suspend()*](http://docs.google.com/java/lang/Thread.html#suspend())*. If the target thread held a lock protecting a critical system resource when it was destroyed, no thread could ever access this resource again. If another thread ever attempted to lock this resource, deadlock would result. Such deadlocks typically manifest themselves as "frozen" processes. For more information, see*  [*Why are Thread.stop, Thread.suspend and Thread.resume Deprecated?*](http://docs.google.com/technotes/guides/concurrency/threadPrimitiveDeprecation.html)*.* |
| void | **String.**[**getBytes**](http://docs.google.com/java/lang/String.html#getBytes(int,%20int,%20byte%5B%5D,%20int))(int srcBegin, int srcEnd, byte[] dst, int dstBegin)  **Deprecated.** *This method does not properly convert characters into bytes. As of JDK 1.1, the preferred way to do this is via the* [*String.getBytes()*](http://docs.google.com/java/lang/String.html#getBytes()) *method, which uses the platform's default charset.* |
| boolean | **SecurityManager.**[**getInCheck**](http://docs.google.com/java/lang/SecurityManager.html#getInCheck())()  **Deprecated.** *This type of security checking is not recommended. It is recommended that the checkPermission call be used instead.* |
| [InputStream](http://docs.google.com/java/io/InputStream.html) | **Runtime.**[**getLocalizedInputStream**](http://docs.google.com/java/lang/Runtime.html#getLocalizedInputStream(java.io.InputStream))([InputStream](http://docs.google.com/java/io/InputStream.html) in)  **Deprecated.** *As of JDK 1.1, the preferred way to translate a byte stream in the local encoding into a character stream in Unicode is via the InputStreamReader and BufferedReader classes.* |
| [OutputStream](http://docs.google.com/java/io/OutputStream.html) | **Runtime.**[**getLocalizedOutputStream**](http://docs.google.com/java/lang/Runtime.html#getLocalizedOutputStream(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out)  **Deprecated.** *As of JDK 1.1, the preferred way to translate a Unicode character stream into a byte stream in the local encoding is via the OutputStreamWriter, BufferedWriter, and PrintWriter classes.* |
| protected  boolean | **SecurityManager.**[**inClass**](http://docs.google.com/java/lang/SecurityManager.html#inClass(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)  **Deprecated.** *This type of security checking is not recommended. It is recommended that the checkPermission call be used instead.* |
| protected  boolean | **SecurityManager.**[**inClassLoader**](http://docs.google.com/java/lang/SecurityManager.html#inClassLoader())()  **Deprecated.** *This type of security checking is not recommended. It is recommended that the checkPermission call be used instead.* |
| static boolean | **Character.**[**isJavaLetter**](http://docs.google.com/java/lang/Character.html#isJavaLetter(char))(char ch)  **Deprecated.** *Replaced by isJavaIdentifierStart(char).* |
| static boolean | **Character.**[**isJavaLetterOrDigit**](http://docs.google.com/java/lang/Character.html#isJavaLetterOrDigit(char))(char ch)  **Deprecated.** *Replaced by isJavaIdentifierPart(char).* |
| static boolean | **Character.**[**isSpace**](http://docs.google.com/java/lang/Character.html#isSpace(char))(char ch)  **Deprecated.** *Replaced by isWhitespace(char).* |
| void | **Thread.**[**resume**](http://docs.google.com/java/lang/Thread.html#resume())()  **Deprecated.** *This method exists solely for use with* [*Thread.suspend()*](http://docs.google.com/java/lang/Thread.html#suspend())*, which has been deprecated because it is deadlock-prone. For more information, see* [*Why are Thread.stop, Thread.suspend and Thread.resume Deprecated?*](http://docs.google.com/technotes/guides/concurrency/threadPrimitiveDeprecation.html)*.* |
| void | **ThreadGroup.**[**resume**](http://docs.google.com/java/lang/ThreadGroup.html#resume())()  **Deprecated.** *This method is used solely in conjunction with Thread.suspend and ThreadGroup.suspend, both of which have been deprecated, as they are inherently deadlock-prone. See* [*Thread.suspend()*](http://docs.google.com/java/lang/Thread.html#suspend()) *for details.* |
| static void | **System.**[**runFinalizersOnExit**](http://docs.google.com/java/lang/System.html#runFinalizersOnExit(boolean))(boolean value)  **Deprecated.** *This method is inherently unsafe. It may result in finalizers being called on live objects while other threads are concurrently manipulating those objects, resulting in erratic behavior or deadlock.* |
| static void | **Runtime.**[**runFinalizersOnExit**](http://docs.google.com/java/lang/Runtime.html#runFinalizersOnExit(boolean))(boolean value)  **Deprecated.** *This method is inherently unsafe. It may result in finalizers being called on live objects while other threads are concurrently manipulating those objects, resulting in erratic behavior or deadlock.* |
| void | **Thread.**[**stop**](http://docs.google.com/java/lang/Thread.html#stop())()  **Deprecated.** *This method is inherently unsafe. Stopping a thread with Thread.stop causes it to unlock all of the monitors that it has locked (as a natural consequence of the unchecked ThreadDeath exception propagating up the stack). If any of the objects previously protected by these monitors were in an inconsistent state, the damaged objects become visible to other threads, potentially resulting in arbitrary behavior. Many uses of stop should be replaced by code that simply modifies some variable to indicate that the target thread should stop running. The target thread should check this variable regularly, and return from its run method in an orderly fashion if the variable indicates that it is to stop running. If the target thread waits for long periods (on a condition variable, for example), the interrupt method should be used to interrupt the wait. For more information, see* [*Why are Thread.stop, Thread.suspend and Thread.resume Deprecated?*](http://docs.google.com/technotes/guides/concurrency/threadPrimitiveDeprecation.html)*.* |
| void | **ThreadGroup.**[**stop**](http://docs.google.com/java/lang/ThreadGroup.html#stop())()  **Deprecated.** *This method is inherently unsafe. See* [*Thread.stop()*](http://docs.google.com/java/lang/Thread.html#stop()) *for details.* |
| void | **Thread.**[**stop**](http://docs.google.com/java/lang/Thread.html#stop(java.lang.Throwable))([Throwable](http://docs.google.com/java/lang/Throwable.html) obj)  **Deprecated.** *This method is inherently unsafe. See* [*Thread.stop()*](http://docs.google.com/java/lang/Thread.html#stop()) *for details. An additional danger of this method is that it may be used to generate exceptions that the target thread is unprepared to handle (including checked exceptions that the thread could not possibly throw, were it not for this method). For more information, see* [*Why are Thread.stop, Thread.suspend and Thread.resume Deprecated?*](http://docs.google.com/technotes/guides/concurrency/threadPrimitiveDeprecation.html)*.* |
| void | **Thread.**[**suspend**](http://docs.google.com/java/lang/Thread.html#suspend())()  **Deprecated.** *This method has been deprecated, as it is inherently deadlock-prone. If the target thread holds a lock on the monitor protecting a critical system resource when it is suspended, no thread can access this resource until the target thread is resumed. If the thread that would resume the target thread attempts to lock this monitor prior to calling resume, deadlock results. Such deadlocks typically manifest themselves as "frozen" processes. For more information, see* [*Why are Thread.stop, Thread.suspend and Thread.resume Deprecated?*](http://docs.google.com/technotes/guides/concurrency/threadPrimitiveDeprecation.html)*.* |
| void | **ThreadGroup.**[**suspend**](http://docs.google.com/java/lang/ThreadGroup.html#suspend())()  **Deprecated.** *This method is inherently deadlock-prone. See* [*Thread.suspend()*](http://docs.google.com/java/lang/Thread.html#suspend()) *for details.* |

| Constructors in [java.lang](http://docs.google.com/java/lang/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| [**String**](http://docs.google.com/java/lang/String.html#String(byte%5B%5D,%20int))(byte[] ascii, int hibyte)  **Deprecated.** *This method does not properly convert bytes into characters. As of JDK 1.1, the preferred way to do this is via the String constructors that take a* [*Charset*](http://docs.google.com/java/nio/charset/Charset.html)*, charset name, or that use the platform's default charset.* |
| [**String**](http://docs.google.com/java/lang/String.html#String(byte%5B%5D,%20int,%20int,%20int))(byte[] ascii, int hibyte, int offset, int count)  **Deprecated.** *This method does not properly convert bytes into characters. As of JDK 1.1, the preferred way to do this is via the String constructors that take a* [*Charset*](http://docs.google.com/java/nio/charset/Charset.html)*, charset name, or that use the platform's default charset.* |

| Uses of [Deprecated](http://docs.google.com/java/lang/Deprecated.html) in [java.net](http://docs.google.com/java/net/package-summary.html) | |
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| Fields in [java.net](http://docs.google.com/java/net/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
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| static int | **HttpURLConnection.**[**HTTP\_SERVER\_ERROR**](http://docs.google.com/java/net/HttpURLConnection.html#HTTP_SERVER_ERROR)  **Deprecated.** *it is misplaced and shouldn't have existed.* |

| Methods in [java.net](http://docs.google.com/java/net/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| static [String](http://docs.google.com/java/lang/String.html) | **URLDecoder.**[**decode**](http://docs.google.com/java/net/URLDecoder.html#decode(java.lang.String))([String](http://docs.google.com/java/lang/String.html) s)  **Deprecated.** *The resulting string may vary depending on the platform's default encoding. Instead, use the decode(String,String) method to specify the encoding.* |
| static [String](http://docs.google.com/java/lang/String.html) | **URLEncoder.**[**encode**](http://docs.google.com/java/net/URLEncoder.html#encode(java.lang.String))([String](http://docs.google.com/java/lang/String.html) s)  **Deprecated.** *The resulting string may vary depending on the platform's default encoding. Instead, use the encode(String,String) method to specify the encoding.* |
| static [String](http://docs.google.com/java/lang/String.html) | **URLConnection.**[**getDefaultRequestProperty**](http://docs.google.com/java/net/URLConnection.html#getDefaultRequestProperty(java.lang.String))([String](http://docs.google.com/java/lang/String.html) key)  **Deprecated.** *The instance specific getRequestProperty method should be used after an appropriate instance of URLConnection is obtained.* |
| byte | **MulticastSocket.**[**getTTL**](http://docs.google.com/java/net/MulticastSocket.html#getTTL())()  **Deprecated.** *use the getTimeToLive method instead, which returns an* ***int*** *instead of a* ***byte****.* |
| protected abstract  byte | **DatagramSocketImpl.**[**getTTL**](http://docs.google.com/java/net/DatagramSocketImpl.html#getTTL())()  **Deprecated.** *use getTimeToLive instead.* |
| void | **MulticastSocket.**[**send**](http://docs.google.com/java/net/MulticastSocket.html#send(java.net.DatagramPacket,%20byte))([DatagramPacket](http://docs.google.com/java/net/DatagramPacket.html) p, byte ttl)  **Deprecated.** *Use the following code or its equivalent instead: ...... int ttl = mcastSocket.getTimeToLive(); mcastSocket.setTimeToLive(newttl); mcastSocket.send(p); mcastSocket.setTimeToLive(ttl); ......* |
| static void | **URLConnection.**[**setDefaultRequestProperty**](http://docs.google.com/java/net/URLConnection.html#setDefaultRequestProperty(java.lang.String,%20java.lang.String))([String](http://docs.google.com/java/lang/String.html) key, [String](http://docs.google.com/java/lang/String.html) value)  **Deprecated.** *The instance specific setRequestProperty method should be used after an appropriate instance of URLConnection is obtained. Invoking this method will have no effect.* |
| void | **MulticastSocket.**[**setTTL**](http://docs.google.com/java/net/MulticastSocket.html#setTTL(byte))(byte ttl)  **Deprecated.** *use the setTimeToLive method instead, which uses* ***int*** *instead of* ***byte*** *as the type for ttl.* |
| protected abstract  void | **DatagramSocketImpl.**[**setTTL**](http://docs.google.com/java/net/DatagramSocketImpl.html#setTTL(byte))(byte ttl)  **Deprecated.** *use setTimeToLive instead.* |
| protected  void | **URLStreamHandler.**[**setURL**](http://docs.google.com/java/net/URLStreamHandler.html#setURL(java.net.URL,%20java.lang.String,%20java.lang.String,%20int,%20java.lang.String,%20java.lang.String))([URL](http://docs.google.com/java/net/URL.html) u, [String](http://docs.google.com/java/lang/String.html) protocol, [String](http://docs.google.com/java/lang/String.html) host, int port, [String](http://docs.google.com/java/lang/String.html) file, [String](http://docs.google.com/java/lang/String.html) ref)  **Deprecated.** *Use setURL(URL, String, String, int, String, String, String, String);* |

| Constructors in [java.net](http://docs.google.com/java/net/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| [**Socket**](http://docs.google.com/java/net/Socket.html#Socket(java.net.InetAddress,%20int,%20boolean))([InetAddress](http://docs.google.com/java/net/InetAddress.html) host, int port, boolean stream)  **Deprecated.** *Use DatagramSocket instead for UDP transport.* |
| [**Socket**](http://docs.google.com/java/net/Socket.html#Socket(java.lang.String,%20int,%20boolean))([String](http://docs.google.com/java/lang/String.html) host, int port, boolean stream)  **Deprecated.** *Use DatagramSocket instead for UDP transport.* |

| Uses of [Deprecated](http://docs.google.com/java/lang/Deprecated.html) in [java.rmi](http://docs.google.com/java/rmi/package-summary.html) | |
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| Classes in [java.rmi](http://docs.google.com/java/rmi/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
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| class | [**RMISecurityException**](http://docs.google.com/java/rmi/RMISecurityException.html)  **Deprecated.** *Use* [*SecurityException*](http://docs.google.com/java/lang/SecurityException.html) *instead. Application code should never directly reference this class, and RMISecurityManager no longer throws this subclass of java.lang.SecurityException.* |
| class | [**ServerRuntimeException**](http://docs.google.com/java/rmi/ServerRuntimeException.html)  **Deprecated.** *no replacement* |

| Constructors in [java.rmi](http://docs.google.com/java/rmi/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
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| [**RMISecurityException**](http://docs.google.com/java/rmi/RMISecurityException.html#RMISecurityException(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)  **Deprecated.** *no replacement* |
| [**RMISecurityException**](http://docs.google.com/java/rmi/RMISecurityException.html#RMISecurityException(java.lang.String,%20java.lang.String))([String](http://docs.google.com/java/lang/String.html) name, [String](http://docs.google.com/java/lang/String.html) arg)  **Deprecated.** *no replacement* |
| [**ServerRuntimeException**](http://docs.google.com/java/rmi/ServerRuntimeException.html#ServerRuntimeException(java.lang.String,%20java.lang.Exception))([String](http://docs.google.com/java/lang/String.html) s, [Exception](http://docs.google.com/java/lang/Exception.html) ex)  **Deprecated.** *no replacement* |

| Uses of [Deprecated](http://docs.google.com/java/lang/Deprecated.html) in [java.rmi.dgc](http://docs.google.com/java/rmi/dgc/package-summary.html) | |
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| Methods in [java.rmi.dgc](http://docs.google.com/java/rmi/dgc/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| static boolean | **VMID.**[**isUnique**](http://docs.google.com/java/rmi/dgc/VMID.html#isUnique())()  **Deprecated.** |

| Uses of [Deprecated](http://docs.google.com/java/lang/Deprecated.html) in [java.rmi.registry](http://docs.google.com/java/rmi/registry/package-summary.html) | |
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| Classes in [java.rmi.registry](http://docs.google.com/java/rmi/registry/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
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| interface | [**RegistryHandler**](http://docs.google.com/java/rmi/registry/RegistryHandler.html)  **Deprecated.** *no replacement* |

| Methods in [java.rmi.registry](http://docs.google.com/java/rmi/registry/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| [Registry](http://docs.google.com/java/rmi/registry/Registry.html) | **RegistryHandler.**[**registryImpl**](http://docs.google.com/java/rmi/registry/RegistryHandler.html#registryImpl(int))(int port)  **Deprecated.** *no replacement. As of the Java 2 platform v1.2, RMI no longer uses the RegistryHandler to obtain the registry's implementation.* |
| [Registry](http://docs.google.com/java/rmi/registry/Registry.html) | **RegistryHandler.**[**registryStub**](http://docs.google.com/java/rmi/registry/RegistryHandler.html#registryStub(java.lang.String,%20int))([String](http://docs.google.com/java/lang/String.html) host, int port)  **Deprecated.** *no replacement. As of the Java 2 platform v1.2, RMI no longer uses the RegistryHandler to obtain the registry's stub.* |

| Uses of [Deprecated](http://docs.google.com/java/lang/Deprecated.html) in [java.rmi.server](http://docs.google.com/java/rmi/server/package-summary.html) | |
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| Classes in [java.rmi.server](http://docs.google.com/java/rmi/server/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| interface | [**LoaderHandler**](http://docs.google.com/java/rmi/server/LoaderHandler.html)  **Deprecated.** *no replacement* |
| class | [**LogStream**](http://docs.google.com/java/rmi/server/LogStream.html)  **Deprecated.** *no replacement* |
| class | [**Operation**](http://docs.google.com/java/rmi/server/Operation.html)  **Deprecated.** *no replacement* |
| interface | [**RemoteCall**](http://docs.google.com/java/rmi/server/RemoteCall.html)  **Deprecated.** *no replacement.* |
| interface | [**Skeleton**](http://docs.google.com/java/rmi/server/Skeleton.html)  **Deprecated.** *no replacement. Skeletons are no longer required for remote method calls in the Java 2 platform v1.2 and greater.* |
| class | [**SkeletonMismatchException**](http://docs.google.com/java/rmi/server/SkeletonMismatchException.html)  **Deprecated.** *no replacement. Skeletons are no longer required for remote method calls in the Java 2 platform v1.2 and greater.* |
| class | [**SkeletonNotFoundException**](http://docs.google.com/java/rmi/server/SkeletonNotFoundException.html)  **Deprecated.** *no replacement. Skeletons are no longer required for remote method calls in the Java 2 platform v1.2 and greater.* |

| Methods in [java.rmi.server](http://docs.google.com/java/rmi/server/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| void | **Skeleton.**[**dispatch**](http://docs.google.com/java/rmi/server/Skeleton.html#dispatch(java.rmi.Remote,%20java.rmi.server.RemoteCall,%20int,%20long))([Remote](http://docs.google.com/java/rmi/Remote.html) obj, [RemoteCall](http://docs.google.com/java/rmi/server/RemoteCall.html) theCall, int opnum, long hash)  **Deprecated.** *no replacement* |
| void | **RemoteCall.**[**done**](http://docs.google.com/java/rmi/server/RemoteCall.html#done())()  **Deprecated.** *no replacement* |
| void | **RemoteRef.**[**done**](http://docs.google.com/java/rmi/server/RemoteRef.html#done(java.rmi.server.RemoteCall))([RemoteCall](http://docs.google.com/java/rmi/server/RemoteCall.html) call)  **Deprecated.** *1.2 style stubs no longer use this method. Instead of using a sequence of method calls to the remote reference (newCall, invoke, and done), a stub uses a single method, invoke(Remote, Method, Object[], int), on the remote reference to carry out parameter marshalling, remote method executing and unmarshalling of the return value.* |
| void | **RemoteCall.**[**executeCall**](http://docs.google.com/java/rmi/server/RemoteCall.html#executeCall())()  **Deprecated.** *no replacement* |
| static [PrintStream](http://docs.google.com/java/io/PrintStream.html) | **LogStream.**[**getDefaultStream**](http://docs.google.com/java/rmi/server/LogStream.html#getDefaultStream())()  **Deprecated.** *no replacement* |
| [ObjectInput](http://docs.google.com/java/io/ObjectInput.html) | **RemoteCall.**[**getInputStream**](http://docs.google.com/java/rmi/server/RemoteCall.html#getInputStream())()  **Deprecated.** *no replacement* |
| [String](http://docs.google.com/java/lang/String.html) | **Operation.**[**getOperation**](http://docs.google.com/java/rmi/server/Operation.html#getOperation())()  **Deprecated.** *no replacement* |
| [Operation](http://docs.google.com/java/rmi/server/Operation.html)[] | **Skeleton.**[**getOperations**](http://docs.google.com/java/rmi/server/Skeleton.html#getOperations())()  **Deprecated.** *no replacement* |
| [OutputStream](http://docs.google.com/java/io/OutputStream.html) | **LogStream.**[**getOutputStream**](http://docs.google.com/java/rmi/server/LogStream.html#getOutputStream())()  **Deprecated.** *no replacement* |
| [ObjectOutput](http://docs.google.com/java/io/ObjectOutput.html) | **RemoteCall.**[**getOutputStream**](http://docs.google.com/java/rmi/server/RemoteCall.html#getOutputStream())()  **Deprecated.** *no replacement* |
| [ObjectOutput](http://docs.google.com/java/io/ObjectOutput.html) | **RemoteCall.**[**getResultStream**](http://docs.google.com/java/rmi/server/RemoteCall.html#getResultStream(boolean))(boolean success)  **Deprecated.** *no replacement* |
| [Object](http://docs.google.com/java/lang/Object.html) | **LoaderHandler.**[**getSecurityContext**](http://docs.google.com/java/rmi/server/LoaderHandler.html#getSecurityContext(java.lang.ClassLoader))([ClassLoader](http://docs.google.com/java/lang/ClassLoader.html) loader)  **Deprecated.** *no replacement* |
| static [Object](http://docs.google.com/java/lang/Object.html) | **RMIClassLoader.**[**getSecurityContext**](http://docs.google.com/java/rmi/server/RMIClassLoader.html#getSecurityContext(java.lang.ClassLoader))([ClassLoader](http://docs.google.com/java/lang/ClassLoader.html) loader)  **Deprecated.** *no replacement. As of the Java 2 platform v1.2, RMI no longer uses this method to obtain a class loader's security context.* |
| void | **RemoteRef.**[**invoke**](http://docs.google.com/java/rmi/server/RemoteRef.html#invoke(java.rmi.server.RemoteCall))([RemoteCall](http://docs.google.com/java/rmi/server/RemoteCall.html) call)  **Deprecated.** *1.2 style stubs no longer use this method. Instead of using a sequence of method calls to the remote reference (newCall, invoke, and done), a stub uses a single method, invoke(Remote, Method, Object[], int), on the remote reference to carry out parameter marshalling, remote method executing and unmarshalling of the return value.* |
| [Class](http://docs.google.com/java/lang/Class.html)<?> | **LoaderHandler.**[**loadClass**](http://docs.google.com/java/rmi/server/LoaderHandler.html#loadClass(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)  **Deprecated.** *no replacement* |
| static [Class](http://docs.google.com/java/lang/Class.html)<?> | **RMIClassLoader.**[**loadClass**](http://docs.google.com/java/rmi/server/RMIClassLoader.html#loadClass(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)  **Deprecated.** *replaced by loadClass(String,String) method* |
| [Class](http://docs.google.com/java/lang/Class.html)<?> | **LoaderHandler.**[**loadClass**](http://docs.google.com/java/rmi/server/LoaderHandler.html#loadClass(java.net.URL,%20java.lang.String))([URL](http://docs.google.com/java/net/URL.html) codebase, [String](http://docs.google.com/java/lang/String.html) name)  **Deprecated.** *no replacement* |
| static [LogStream](http://docs.google.com/java/rmi/server/LogStream.html) | **LogStream.**[**log**](http://docs.google.com/java/rmi/server/LogStream.html#log(java.lang.String))([String](http://docs.google.com/java/lang/String.html) name)  **Deprecated.** *no replacement* |
| [RemoteCall](http://docs.google.com/java/rmi/server/RemoteCall.html) | **RemoteRef.**[**newCall**](http://docs.google.com/java/rmi/server/RemoteRef.html#newCall(java.rmi.server.RemoteObject,%20java.rmi.server.Operation%5B%5D,%20int,%20long))([RemoteObject](http://docs.google.com/java/rmi/server/RemoteObject.html) obj, [Operation](http://docs.google.com/java/rmi/server/Operation.html)[] op, int opnum, long hash)  **Deprecated.** *1.2 style stubs no longer use this method. Instead of using a sequence of method calls on the stub's the remote reference (newCall, invoke, and done), a stub uses a single method, invoke(Remote, Method, Object[], int), on the remote reference to carry out parameter marshalling, remote method executing and unmarshalling of the return value.* |
| static int | **LogStream.**[**parseLevel**](http://docs.google.com/java/rmi/server/LogStream.html#parseLevel(java.lang.String))([String](http://docs.google.com/java/lang/String.html) s)  **Deprecated.** *no replacement* |
| void | **RemoteCall.**[**releaseInputStream**](http://docs.google.com/java/rmi/server/RemoteCall.html#releaseInputStream())()  **Deprecated.** *no replacement* |
| void | **RemoteCall.**[**releaseOutputStream**](http://docs.google.com/java/rmi/server/RemoteCall.html#releaseOutputStream())()  **Deprecated.** *no replacement* |
| static void | **LogStream.**[**setDefaultStream**](http://docs.google.com/java/rmi/server/LogStream.html#setDefaultStream(java.io.PrintStream))([PrintStream](http://docs.google.com/java/io/PrintStream.html) newDefault)  **Deprecated.** *no replacement* |
| void | **LogStream.**[**setOutputStream**](http://docs.google.com/java/rmi/server/LogStream.html#setOutputStream(java.io.OutputStream))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out)  **Deprecated.** *no replacement* |
| protected static void | **RemoteStub.**[**setRef**](http://docs.google.com/java/rmi/server/RemoteStub.html#setRef(java.rmi.server.RemoteStub,%20java.rmi.server.RemoteRef))([RemoteStub](http://docs.google.com/java/rmi/server/RemoteStub.html) stub, [RemoteRef](http://docs.google.com/java/rmi/server/RemoteRef.html) ref)  **Deprecated.** *no replacement. The setRef method is not needed since RemoteStubs can be created with the RemoteStub(RemoteRef) constructor.* |
| [String](http://docs.google.com/java/lang/String.html) | **LogStream.**[**toString**](http://docs.google.com/java/rmi/server/LogStream.html#toString())()  **Deprecated.** *no replacement* |
| [String](http://docs.google.com/java/lang/String.html) | **Operation.**[**toString**](http://docs.google.com/java/rmi/server/Operation.html#toString())()  **Deprecated.** *no replacement* |
| void | **LogStream.**[**write**](http://docs.google.com/java/rmi/server/LogStream.html#write(byte%5B%5D,%20int,%20int))(byte[] b, int off, int len)  **Deprecated.** *no replacement* |
| void | **LogStream.**[**write**](http://docs.google.com/java/rmi/server/LogStream.html#write(int))(int b)  **Deprecated.** *no replacement* |

| Constructors in [java.rmi.server](http://docs.google.com/java/rmi/server/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
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| [**Operation**](http://docs.google.com/java/rmi/server/Operation.html#Operation(java.lang.String))([String](http://docs.google.com/java/lang/String.html) op)  **Deprecated.** *no replacement* |
| [**SkeletonMismatchException**](http://docs.google.com/java/rmi/server/SkeletonMismatchException.html#SkeletonMismatchException(java.lang.String))([String](http://docs.google.com/java/lang/String.html) s)  **Deprecated.** *no replacement* |

| Uses of [Deprecated](http://docs.google.com/java/lang/Deprecated.html) in [java.security](http://docs.google.com/java/security/package-summary.html) | |
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| Classes in [java.security](http://docs.google.com/java/security/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| interface | [**Certificate**](http://docs.google.com/java/security/Certificate.html)  **Deprecated.** *A new certificate handling package is created in the Java platform. This Certificate interface is entirely deprecated and is here to allow for a smooth transition to the new package.* |
| class | [**Identity**](http://docs.google.com/java/security/Identity.html)  **Deprecated.** *This class is no longer used. Its functionality has been replaced by java.security.KeyStore, the java.security.cert package, and java.security.Principal.* |
| class | [**IdentityScope**](http://docs.google.com/java/security/IdentityScope.html)  **Deprecated.** *This class is no longer used. Its functionality has been replaced by java.security.KeyStore, the java.security.cert package, and java.security.Principal.* |
| class | [**Signer**](http://docs.google.com/java/security/Signer.html)  **Deprecated.** *This class is no longer used. Its functionality has been replaced by java.security.KeyStore, the java.security.cert package, and java.security.Principal.* |

| Methods in [java.security](http://docs.google.com/java/security/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| protected abstract  [Object](http://docs.google.com/java/lang/Object.html) | **SignatureSpi.**[**engineGetParameter**](http://docs.google.com/java/security/SignatureSpi.html#engineGetParameter(java.lang.String))([String](http://docs.google.com/java/lang/String.html) param)  **Deprecated.** |
| protected abstract  void | **SignatureSpi.**[**engineSetParameter**](http://docs.google.com/java/security/SignatureSpi.html#engineSetParameter(java.lang.String,%20java.lang.Object))([String](http://docs.google.com/java/lang/String.html) param, [Object](http://docs.google.com/java/lang/Object.html) value)  **Deprecated.** *Replaced by* [*engineSetParameter*](http://docs.google.com/java/security/SignatureSpi.html#engineSetParameter(java.security.spec.AlgorithmParameterSpec))*.* |
| static [String](http://docs.google.com/java/lang/String.html) | **Security.**[**getAlgorithmProperty**](http://docs.google.com/java/security/Security.html#getAlgorithmProperty(java.lang.String,%20java.lang.String))([String](http://docs.google.com/java/lang/String.html) algName, [String](http://docs.google.com/java/lang/String.html) propName)  **Deprecated.** *This method used to return the value of a proprietary property in the master file of the "SUN" Cryptographic Service Provider in order to determine how to parse algorithm-specific parameters. Use the new provider-based and algorithm-independent AlgorithmParameters and KeyFactory engine classes (introduced in the J2SE version 1.2 platform) instead.* |
| [Object](http://docs.google.com/java/lang/Object.html) | **Signature.**[**getParameter**](http://docs.google.com/java/security/Signature.html#getParameter(java.lang.String))([String](http://docs.google.com/java/lang/String.html) param)  **Deprecated.** |
| void | **Signature.**[**setParameter**](http://docs.google.com/java/security/Signature.html#setParameter(java.lang.String,%20java.lang.Object))([String](http://docs.google.com/java/lang/String.html) param, [Object](http://docs.google.com/java/lang/Object.html) value)  **Deprecated.** *Use* [*setParameter*](http://docs.google.com/java/security/Signature.html#setParameter(java.security.spec.AlgorithmParameterSpec))*.* |

| Uses of [Deprecated](http://docs.google.com/java/lang/Deprecated.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) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| int | **Time.**[**getDate**](http://docs.google.com/java/sql/Time.html#getDate())()  **Deprecated.** |
| int | **Time.**[**getDay**](http://docs.google.com/java/sql/Time.html#getDay())()  **Deprecated.** |
| int | **Time.**[**getMonth**](http://docs.google.com/java/sql/Time.html#getMonth())()  **Deprecated.** |
| int | **Time.**[**getYear**](http://docs.google.com/java/sql/Time.html#getYear())()  **Deprecated.** |
| void | **Time.**[**setDate**](http://docs.google.com/java/sql/Time.html#setDate(int))(int i)  **Deprecated.** |
| void | **Time.**[**setMonth**](http://docs.google.com/java/sql/Time.html#setMonth(int))(int i)  **Deprecated.** |
| void | **Time.**[**setYear**](http://docs.google.com/java/sql/Time.html#setYear(int))(int i)  **Deprecated.** |

| Constructors in [java.sql](http://docs.google.com/java/sql/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| [**Time**](http://docs.google.com/java/sql/Time.html#Time(int,%20int,%20int))(int hour, int minute, int second)  **Deprecated.** *Use the constructor that takes a milliseconds value in place of this constructor* |
| [**Timestamp**](http://docs.google.com/java/sql/Timestamp.html#Timestamp(int,%20int,%20int,%20int,%20int,%20int,%20int))(int year, int month, int date, int hour, int minute, int second, int nano)  **Deprecated.** *instead use the constructor Timestamp(long millis)* |

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

| Methods in [java.util](http://docs.google.com/java/util/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| int | **Date.**[**getDate**](http://docs.google.com/java/util/Date.html#getDate())()  **Deprecated.** *As of JDK version 1.1, replaced by Calendar.get(Calendar.DAY\_OF\_MONTH).* |
| int | **Date.**[**getDay**](http://docs.google.com/java/util/Date.html#getDay())()  **Deprecated.** *As of JDK version 1.1, replaced by Calendar.get(Calendar.DAY\_OF\_WEEK).* |
| int | **Date.**[**getHours**](http://docs.google.com/java/util/Date.html#getHours())()  **Deprecated.** *As of JDK version 1.1, replaced by Calendar.get(Calendar.HOUR\_OF\_DAY).* |
| int | **Date.**[**getMinutes**](http://docs.google.com/java/util/Date.html#getMinutes())()  **Deprecated.** *As of JDK version 1.1, replaced by Calendar.get(Calendar.MINUTE).* |
| int | **Date.**[**getMonth**](http://docs.google.com/java/util/Date.html#getMonth())()  **Deprecated.** *As of JDK version 1.1, replaced by Calendar.get(Calendar.MONTH).* |
| int | **Date.**[**getSeconds**](http://docs.google.com/java/util/Date.html#getSeconds())()  **Deprecated.** *As of JDK version 1.1, replaced by Calendar.get(Calendar.SECOND).* |
| int | **Date.**[**getTimezoneOffset**](http://docs.google.com/java/util/Date.html#getTimezoneOffset())()  **Deprecated.** *As of JDK version 1.1, replaced by -(Calendar.get(Calendar.ZONE\_OFFSET) + Calendar.get(Calendar.DST\_OFFSET)) / (60 \* 1000).* |
| int | **Date.**[**getYear**](http://docs.google.com/java/util/Date.html#getYear())()  **Deprecated.** *As of JDK version 1.1, replaced by Calendar.get(Calendar.YEAR) - 1900.* |
| static long | **Date.**[**parse**](http://docs.google.com/java/util/Date.html#parse(java.lang.String))([String](http://docs.google.com/java/lang/String.html) s)  **Deprecated.** *As of JDK version 1.1, replaced by DateFormat.parse(String s).* |
| void | **Properties.**[**save**](http://docs.google.com/java/util/Properties.html#save(java.io.OutputStream,%20java.lang.String))([OutputStream](http://docs.google.com/java/io/OutputStream.html) out, [String](http://docs.google.com/java/lang/String.html) comments)  **Deprecated.** *This method does not throw an IOException if an I/O error occurs while saving the property list. The preferred way to save a properties list is via the store(OutputStream out, String comments) method or the storeToXML(OutputStream os, String comment) method.* |
| void | **Date.**[**setDate**](http://docs.google.com/java/util/Date.html#setDate(int))(int date)  **Deprecated.** *As of JDK version 1.1, replaced by Calendar.set(Calendar.DAY\_OF\_MONTH, int date).* |
| void | **Date.**[**setHours**](http://docs.google.com/java/util/Date.html#setHours(int))(int hours)  **Deprecated.** *As of JDK version 1.1, replaced by Calendar.set(Calendar.HOUR\_OF\_DAY, int hours).* |
| void | **Date.**[**setMinutes**](http://docs.google.com/java/util/Date.html#setMinutes(int))(int minutes)  **Deprecated.** *As of JDK version 1.1, replaced by Calendar.set(Calendar.MINUTE, int minutes).* |
| void | **Date.**[**setMonth**](http://docs.google.com/java/util/Date.html#setMonth(int))(int month)  **Deprecated.** *As of JDK version 1.1, replaced by Calendar.set(Calendar.MONTH, int month).* |
| void | **Date.**[**setSeconds**](http://docs.google.com/java/util/Date.html#setSeconds(int))(int seconds)  **Deprecated.** *As of JDK version 1.1, replaced by Calendar.set(Calendar.SECOND, int seconds).* |
| void | **Date.**[**setYear**](http://docs.google.com/java/util/Date.html#setYear(int))(int year)  **Deprecated.** *As of JDK version 1.1, replaced by Calendar.set(Calendar.YEAR, year + 1900).* |
| [String](http://docs.google.com/java/lang/String.html) | **Date.**[**toGMTString**](http://docs.google.com/java/util/Date.html#toGMTString())()  **Deprecated.** *As of JDK version 1.1, replaced by DateFormat.format(Date date), using a GMT TimeZone.* |
| [String](http://docs.google.com/java/lang/String.html) | **Date.**[**toLocaleString**](http://docs.google.com/java/util/Date.html#toLocaleString())()  **Deprecated.** *As of JDK version 1.1, replaced by DateFormat.format(Date date).* |
| static long | **Date.**[**UTC**](http://docs.google.com/java/util/Date.html#UTC(int,%20int,%20int,%20int,%20int,%20int))(int year, int month, int date, int hrs, int min, int sec)  **Deprecated.** *As of JDK version 1.1, replaced by Calendar.set(year + 1900, month, date, hrs, min, sec) or GregorianCalendar(year + 1900, month, date, hrs, min, sec), using a UTC TimeZone, followed by Calendar.getTime().getTime().* |

| Constructors in [java.util](http://docs.google.com/java/util/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| [**Date**](http://docs.google.com/java/util/Date.html#Date(int,%20int,%20int))(int year, int month, int date)  **Deprecated.** *As of JDK version 1.1, replaced by Calendar.set(year + 1900, month, date) or GregorianCalendar(year + 1900, month, date).* |
| [**Date**](http://docs.google.com/java/util/Date.html#Date(int,%20int,%20int,%20int,%20int))(int year, int month, int date, int hrs, int min)  **Deprecated.** *As of JDK version 1.1, replaced by Calendar.set(year + 1900, month, date, hrs, min) or GregorianCalendar(year + 1900, month, date, hrs, min).* |
| [**Date**](http://docs.google.com/java/util/Date.html#Date(int,%20int,%20int,%20int,%20int,%20int))(int year, int month, int date, int hrs, int min, int sec)  **Deprecated.** *As of JDK version 1.1, replaced by Calendar.set(year + 1900, month, date, hrs, min, sec) or GregorianCalendar(year + 1900, month, date, hrs, min, sec).* |
| [**Date**](http://docs.google.com/java/util/Date.html#Date(java.lang.String))([String](http://docs.google.com/java/lang/String.html) s)  **Deprecated.** *As of JDK version 1.1, replaced by DateFormat.parse(String s).* |

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

| Fields in [java.util.logging](http://docs.google.com/java/util/logging/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| static [Logger](http://docs.google.com/java/util/logging/Logger.html) | **Logger.**[**global**](http://docs.google.com/java/util/logging/Logger.html#global)  **Deprecated.** *Initialization of this field is prone to deadlocks. The field must be initialized by the Logger class initialization which may cause deadlocks with the LogManager class initialization. In such cases two class initialization wait for each other to complete. As of JDK version 1.6, the preferred way to get the global logger object is via the call Logger.getLogger(Logger.GLOBAL\_LOGGER\_NAME).* |

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

| Classes in [javax.accessibility](http://docs.google.com/javax/accessibility/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| class | [**AccessibleResourceBundle**](http://docs.google.com/javax/accessibility/AccessibleResourceBundle.html)  **Deprecated.** *This class is deprecated as of version 1.3 of the Java Platform.* |

| Uses of [Deprecated](http://docs.google.com/java/lang/Deprecated.html) in [javax.jws.soap](http://docs.google.com/javax/jws/soap/package-summary.html) | |
| --- | --- |

| Classes in [javax.jws.soap](http://docs.google.com/javax/jws/soap/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| interface | [**InitParam**](http://docs.google.com/javax/jws/soap/InitParam.html)  **Deprecated.** *As of JSR-181 2.0 with no replacement.* |
| interface | [**SOAPMessageHandler**](http://docs.google.com/javax/jws/soap/SOAPMessageHandler.html)  **Deprecated.** *As of JSR-181 2.0 with no replacement.* |
| interface | [**SOAPMessageHandlers**](http://docs.google.com/javax/jws/soap/SOAPMessageHandlers.html)  **Deprecated.** *As of JSR-181 2.0 with no replacement.* |

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

| Classes in [javax.management](http://docs.google.com/javax/management/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| class | [**DefaultLoaderRepository**](http://docs.google.com/javax/management/DefaultLoaderRepository.html)  **Deprecated.** *Use* [*MBeanServer.getClassLoaderRepository()*](http://docs.google.com/javax/management/MBeanServer.html#getClassLoaderRepository()) *instead.* |

| Methods in [javax.management](http://docs.google.com/javax/management/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| [ObjectInputStream](http://docs.google.com/java/io/ObjectInputStream.html) | **MBeanServer.**[**deserialize**](http://docs.google.com/javax/management/MBeanServer.html#deserialize(javax.management.ObjectName,%20byte%5B%5D))([ObjectName](http://docs.google.com/javax/management/ObjectName.html) name, byte[] data)  **Deprecated.** *Use* [*getClassLoaderFor*](http://docs.google.com/javax/management/MBeanServer.html#getClassLoaderFor(javax.management.ObjectName)) *to obtain the appropriate class loader for deserialization.* |
| [ObjectInputStream](http://docs.google.com/java/io/ObjectInputStream.html) | **MBeanServer.**[**deserialize**](http://docs.google.com/javax/management/MBeanServer.html#deserialize(java.lang.String,%20byte%5B%5D))([String](http://docs.google.com/java/lang/String.html) className, byte[] data)  **Deprecated.** *Use* [*MBeanServer.getClassLoaderRepository()*](http://docs.google.com/javax/management/MBeanServer.html#getClassLoaderRepository()) *to obtain the class loader repository and use it to deserialize.* |
| [ObjectInputStream](http://docs.google.com/java/io/ObjectInputStream.html) | **MBeanServer.**[**deserialize**](http://docs.google.com/javax/management/MBeanServer.html#deserialize(java.lang.String,%20javax.management.ObjectName,%20byte%5B%5D))([String](http://docs.google.com/java/lang/String.html) className, [ObjectName](http://docs.google.com/javax/management/ObjectName.html) loaderName, byte[] data)  **Deprecated.** *Use* [*getClassLoader*](http://docs.google.com/javax/management/MBeanServer.html#getClassLoader(javax.management.ObjectName)) *to obtain the class loader for deserialization.* |
| void | **ValueExp.**[**setMBeanServer**](http://docs.google.com/javax/management/ValueExp.html#setMBeanServer(javax.management.MBeanServer))([MBeanServer](http://docs.google.com/javax/management/MBeanServer.html) s)  **Deprecated.** *This method is not needed because a ValueExp can access the MBean server in which it is being evaluated by using* [*QueryEval.getMBeanServer()*](http://docs.google.com/javax/management/QueryEval.html#getMBeanServer())*.* |

| Constructors in [javax.management](http://docs.google.com/javax/management/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| [**AttributeValueExp**](http://docs.google.com/javax/management/AttributeValueExp.html#AttributeValueExp())()  **Deprecated.** *An instance created with this constructor cannot be used in a query.* |

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

| Classes in [javax.management.loading](http://docs.google.com/javax/management/loading/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| class | [**DefaultLoaderRepository**](http://docs.google.com/javax/management/loading/DefaultLoaderRepository.html)  **Deprecated.** *Use* [*MBeanServer.getClassLoaderRepository()*](http://docs.google.com/javax/management/MBeanServer.html#getClassLoaderRepository())*} instead.* |

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

| Fields in [javax.management.monitor](http://docs.google.com/javax/management/monitor/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| protected  int | **Monitor.**[**alreadyNotified**](http://docs.google.com/javax/management/monitor/Monitor.html#alreadyNotified)  **Deprecated.** *equivalent to* [*Monitor.alreadyNotifieds*](http://docs.google.com/javax/management/monitor/Monitor.html#alreadyNotifieds)*[0].* |
| protected  [String](http://docs.google.com/java/lang/String.html) | **Monitor.**[**dbgTag**](http://docs.google.com/javax/management/monitor/Monitor.html#dbgTag)  **Deprecated.** *No replacement.* |

| Methods in [javax.management.monitor](http://docs.google.com/javax/management/monitor/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| [String](http://docs.google.com/java/lang/String.html) | **StringMonitorMBean.**[**getDerivedGauge**](http://docs.google.com/javax/management/monitor/StringMonitorMBean.html#getDerivedGauge())()  **Deprecated.** *As of JMX 1.2, replaced by* [*StringMonitorMBean.getDerivedGauge(ObjectName)*](http://docs.google.com/javax/management/monitor/StringMonitorMBean.html#getDerivedGauge(javax.management.ObjectName)) |
| [String](http://docs.google.com/java/lang/String.html) | **StringMonitor.**[**getDerivedGauge**](http://docs.google.com/javax/management/monitor/StringMonitor.html#getDerivedGauge())()  **Deprecated.** *As of JMX 1.2, replaced by* [*StringMonitor.getDerivedGauge(ObjectName)*](http://docs.google.com/javax/management/monitor/StringMonitor.html#getDerivedGauge(javax.management.ObjectName)) |
| [Number](http://docs.google.com/java/lang/Number.html) | **GaugeMonitorMBean.**[**getDerivedGauge**](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html#getDerivedGauge())()  **Deprecated.** *As of JMX 1.2, replaced by* [*GaugeMonitorMBean.getDerivedGauge(ObjectName)*](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html#getDerivedGauge(javax.management.ObjectName)) |
| [Number](http://docs.google.com/java/lang/Number.html) | **GaugeMonitor.**[**getDerivedGauge**](http://docs.google.com/javax/management/monitor/GaugeMonitor.html#getDerivedGauge())()  **Deprecated.** *As of JMX 1.2, replaced by* [*GaugeMonitor.getDerivedGauge(ObjectName)*](http://docs.google.com/javax/management/monitor/GaugeMonitor.html#getDerivedGauge(javax.management.ObjectName)) |
| [Number](http://docs.google.com/java/lang/Number.html) | **CounterMonitorMBean.**[**getDerivedGauge**](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#getDerivedGauge())()  **Deprecated.** *As of JMX 1.2, replaced by* [*CounterMonitorMBean.getDerivedGauge(ObjectName)*](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#getDerivedGauge(javax.management.ObjectName)) |
| [Number](http://docs.google.com/java/lang/Number.html) | **CounterMonitor.**[**getDerivedGauge**](http://docs.google.com/javax/management/monitor/CounterMonitor.html#getDerivedGauge())()  **Deprecated.** *As of JMX 1.2, replaced by* [*CounterMonitor.getDerivedGauge(ObjectName)*](http://docs.google.com/javax/management/monitor/CounterMonitor.html#getDerivedGauge(javax.management.ObjectName)) |
| long | **StringMonitorMBean.**[**getDerivedGaugeTimeStamp**](http://docs.google.com/javax/management/monitor/StringMonitorMBean.html#getDerivedGaugeTimeStamp())()  **Deprecated.** *As of JMX 1.2, replaced by* [*StringMonitorMBean.getDerivedGaugeTimeStamp(ObjectName)*](http://docs.google.com/javax/management/monitor/StringMonitorMBean.html#getDerivedGaugeTimeStamp(javax.management.ObjectName)) |
| long | **StringMonitor.**[**getDerivedGaugeTimeStamp**](http://docs.google.com/javax/management/monitor/StringMonitor.html#getDerivedGaugeTimeStamp())()  **Deprecated.** *As of JMX 1.2, replaced by* [*StringMonitor.getDerivedGaugeTimeStamp(ObjectName)*](http://docs.google.com/javax/management/monitor/StringMonitor.html#getDerivedGaugeTimeStamp(javax.management.ObjectName)) |
| long | **GaugeMonitorMBean.**[**getDerivedGaugeTimeStamp**](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html#getDerivedGaugeTimeStamp())()  **Deprecated.** *As of JMX 1.2, replaced by* [*GaugeMonitorMBean.getDerivedGaugeTimeStamp(ObjectName)*](http://docs.google.com/javax/management/monitor/GaugeMonitorMBean.html#getDerivedGaugeTimeStamp(javax.management.ObjectName)) |
| long | **GaugeMonitor.**[**getDerivedGaugeTimeStamp**](http://docs.google.com/javax/management/monitor/GaugeMonitor.html#getDerivedGaugeTimeStamp())()  **Deprecated.** *As of JMX 1.2, replaced by* [*GaugeMonitor.getDerivedGaugeTimeStamp(ObjectName)*](http://docs.google.com/javax/management/monitor/GaugeMonitor.html#getDerivedGaugeTimeStamp(javax.management.ObjectName)) |
| long | **CounterMonitorMBean.**[**getDerivedGaugeTimeStamp**](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#getDerivedGaugeTimeStamp())()  **Deprecated.** *As of JMX 1.2, replaced by* [*CounterMonitorMBean.getDerivedGaugeTimeStamp(ObjectName)*](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#getDerivedGaugeTimeStamp(javax.management.ObjectName)) |
| long | **CounterMonitor.**[**getDerivedGaugeTimeStamp**](http://docs.google.com/javax/management/monitor/CounterMonitor.html#getDerivedGaugeTimeStamp())()  **Deprecated.** *As of JMX 1.2, replaced by* [*CounterMonitor.getDerivedGaugeTimeStamp(ObjectName)*](http://docs.google.com/javax/management/monitor/CounterMonitor.html#getDerivedGaugeTimeStamp(javax.management.ObjectName)) |
| [ObjectName](http://docs.google.com/javax/management/ObjectName.html) | **MonitorMBean.**[**getObservedObject**](http://docs.google.com/javax/management/monitor/MonitorMBean.html#getObservedObject())()  **Deprecated.** *As of JMX 1.2, replaced by* [*MonitorMBean.getObservedObjects()*](http://docs.google.com/javax/management/monitor/MonitorMBean.html#getObservedObjects()) |
| [ObjectName](http://docs.google.com/javax/management/ObjectName.html) | **Monitor.**[**getObservedObject**](http://docs.google.com/javax/management/monitor/Monitor.html#getObservedObject())()  **Deprecated.** *As of JMX 1.2, replaced by* [*Monitor.getObservedObjects()*](http://docs.google.com/javax/management/monitor/Monitor.html#getObservedObjects()) |
| [Number](http://docs.google.com/java/lang/Number.html) | **CounterMonitorMBean.**[**getThreshold**](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#getThreshold())()  **Deprecated.** *As of JMX 1.2, replaced by* [*CounterMonitorMBean.getThreshold(ObjectName)*](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#getThreshold(javax.management.ObjectName)) |
| [Number](http://docs.google.com/java/lang/Number.html) | **CounterMonitor.**[**getThreshold**](http://docs.google.com/javax/management/monitor/CounterMonitor.html#getThreshold())()  **Deprecated.** *As of JMX 1.2, replaced by* [*CounterMonitor.getThreshold(ObjectName)*](http://docs.google.com/javax/management/monitor/CounterMonitor.html#getThreshold(javax.management.ObjectName)) |
| void | **MonitorMBean.**[**setObservedObject**](http://docs.google.com/javax/management/monitor/MonitorMBean.html#setObservedObject(javax.management.ObjectName))([ObjectName](http://docs.google.com/javax/management/ObjectName.html) object)  **Deprecated.** *As of JMX 1.2, replaced by* [*MonitorMBean.addObservedObject(javax.management.ObjectName)*](http://docs.google.com/javax/management/monitor/MonitorMBean.html#addObservedObject(javax.management.ObjectName)) |
| void | **Monitor.**[**setObservedObject**](http://docs.google.com/javax/management/monitor/Monitor.html#setObservedObject(javax.management.ObjectName))([ObjectName](http://docs.google.com/javax/management/ObjectName.html) object)  **Deprecated.** *As of JMX 1.2, replaced by* [*Monitor.addObservedObject(javax.management.ObjectName)*](http://docs.google.com/javax/management/monitor/Monitor.html#addObservedObject(javax.management.ObjectName)) |
| void | **CounterMonitorMBean.**[**setThreshold**](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#setThreshold(java.lang.Number))([Number](http://docs.google.com/java/lang/Number.html) value)  **Deprecated.** *As of JMX 1.2, replaced by* [*CounterMonitorMBean.setInitThreshold(java.lang.Number)*](http://docs.google.com/javax/management/monitor/CounterMonitorMBean.html#setInitThreshold(java.lang.Number)) |
| void | **CounterMonitor.**[**setThreshold**](http://docs.google.com/javax/management/monitor/CounterMonitor.html#setThreshold(java.lang.Number))([Number](http://docs.google.com/java/lang/Number.html) value)  **Deprecated.** *As of JMX 1.2, replaced by* [*CounterMonitor.setInitThreshold(java.lang.Number)*](http://docs.google.com/javax/management/monitor/CounterMonitor.html#setInitThreshold(java.lang.Number)) |

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

| Fields in [javax.management.openmbean](http://docs.google.com/javax/management/openmbean/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| static [String](http://docs.google.com/java/lang/String.html)[] | **OpenType.**[**ALLOWED\_CLASSNAMES**](http://docs.google.com/javax/management/openmbean/OpenType.html#ALLOWED_CLASSNAMES)  **Deprecated.** *Use* [*ALLOWED\_CLASSNAMES\_LIST*](http://docs.google.com/javax/management/openmbean/OpenType.html#ALLOWED_CLASSNAMES_LIST) *instead.* |

| Uses of [Deprecated](http://docs.google.com/java/lang/Deprecated.html) in [javax.security.auth](http://docs.google.com/javax/security/auth/package-summary.html) | |
| --- | --- |

| Classes in [javax.security.auth](http://docs.google.com/javax/security/auth/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| class | [**Policy**](http://docs.google.com/javax/security/auth/Policy.html)  **Deprecated.** *as of JDK version 1.4 -- Replaced by java.security.Policy. java.security.Policy has a method:*  *public PermissionCollection getPermissions  (java.security.ProtectionDomain pd)*  *and ProtectionDomain has a constructor:*  *public ProtectionDomain  (CodeSource cs,  PermissionCollection permissions,  ClassLoader loader,  Principal[] principals)*  *These two APIs provide callers the means to query the Policy for Principal-based Permission entries.* |

| Uses of [Deprecated](http://docs.google.com/java/lang/Deprecated.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) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| protected  boolean | **JViewport.**[**backingStore**](http://docs.google.com/javax/swing/JViewport.html#backingStore)  **Deprecated.** *As of Java 2 platform v1.3* |
| protected  javax.swing.JRootPane.DefaultAction | **JRootPane.**[**defaultPressAction**](http://docs.google.com/javax/swing/JRootPane.html#defaultPressAction)  **Deprecated.** *As of Java 2 platform v1.3.* |
| protected  javax.swing.JRootPane.DefaultAction | **JRootPane.**[**defaultReleaseAction**](http://docs.google.com/javax/swing/JRootPane.html#defaultReleaseAction)  **Deprecated.** *As of Java 2 platform v1.3.* |

| Methods in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| static [JScrollPane](http://docs.google.com/javax/swing/JScrollPane.html) | **JTable.**[**createScrollPaneForTable**](http://docs.google.com/javax/swing/JTable.html#createScrollPaneForTable(javax.swing.JTable))([JTable](http://docs.google.com/javax/swing/JTable.html) aTable)  **Deprecated.** *As of Swing version 1.0.2, replaced by new JScrollPane(aTable).* |
| void | **JComponent.**[**disable**](http://docs.google.com/javax/swing/JComponent.html#disable())()  **Deprecated.** *As of JDK version 1.1, replaced by java.awt.Component.setEnabled(boolean).* |
| static void | **FocusManager.**[**disableSwingFocusManager**](http://docs.google.com/javax/swing/FocusManager.html#disableSwingFocusManager())()  **Deprecated.** *as of 1.4, replaced by KeyboardFocusManager.setDefaultFocusTraversalPolicy(FocusTraversalPolicy)* |
| void | **JComponent.**[**enable**](http://docs.google.com/javax/swing/JComponent.html#enable())()  **Deprecated.** *As of JDK version 1.1, replaced by java.awt.Component.setEnabled(boolean).* |
| static [Component](http://docs.google.com/java/awt/Component.html) | **SwingUtilities.**[**findFocusOwner**](http://docs.google.com/javax/swing/SwingUtilities.html#findFocusOwner(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) c)  **Deprecated.** *As of 1.4, replaced by KeyboardFocusManager.getFocusOwner().* |
| [Component](http://docs.google.com/java/awt/Component.html) | **JPopupMenu.**[**getComponentAtIndex**](http://docs.google.com/javax/swing/JPopupMenu.html#getComponentAtIndex(int))(int i)  **Deprecated.** *replaced by* [*Container.getComponent(int)*](http://docs.google.com/java/awt/Container.html#getComponent(int)) |
| [Component](http://docs.google.com/java/awt/Component.html) | **JMenuBar.**[**getComponentAtIndex**](http://docs.google.com/javax/swing/JMenuBar.html#getComponentAtIndex(int))(int i)  **Deprecated.** *replaced by getComponent(int i)* |
| static [KeyStroke](http://docs.google.com/javax/swing/KeyStroke.html) | **KeyStroke.**[**getKeyStroke**](http://docs.google.com/javax/swing/KeyStroke.html#getKeyStroke(char,%20boolean))(char keyChar, boolean onKeyRelease)  **Deprecated.** *use getKeyStroke(char)* |
| [String](http://docs.google.com/java/lang/String.html) | **AbstractButton.**[**getLabel**](http://docs.google.com/javax/swing/AbstractButton.html#getLabel())()  **Deprecated.** *- Replaced by getText* |
| [JMenuBar](http://docs.google.com/javax/swing/JMenuBar.html) | **JInternalFrame.**[**getMenuBar**](http://docs.google.com/javax/swing/JInternalFrame.html#getMenuBar())()  **Deprecated.** *As of Swing version 1.0.3, replaced by getJMenuBar().* |
| [JMenuBar](http://docs.google.com/javax/swing/JMenuBar.html) | **JRootPane.**[**getMenuBar**](http://docs.google.com/javax/swing/JRootPane.html#getMenuBar())()  **Deprecated.** *As of Swing version 1.0.3 replaced by getJMenuBar().* |
| [Component](http://docs.google.com/java/awt/Component.html) | **JComponent.**[**getNextFocusableComponent**](http://docs.google.com/javax/swing/JComponent.html#getNextFocusableComponent())()  **Deprecated.** *As of 1.4, replaced by FocusTraversalPolicy.* |
| [String](http://docs.google.com/java/lang/String.html) | **JPasswordField.**[**getText**](http://docs.google.com/javax/swing/JPasswordField.html#getText())()  **Deprecated.** *As of Java 2 platform v1.2, replaced by getPassword.* |
| [String](http://docs.google.com/java/lang/String.html) | **JPasswordField.**[**getText**](http://docs.google.com/javax/swing/JPasswordField.html#getText(int,%20int))(int offs, int len)  **Deprecated.** *As of Java 2 platform v1.2, replaced by getPassword.* |
| [Rectangle](http://docs.google.com/java/awt/Rectangle.html) | **ScrollPaneLayout.**[**getViewportBorderBounds**](http://docs.google.com/javax/swing/ScrollPaneLayout.html#getViewportBorderBounds(javax.swing.JScrollPane))([JScrollPane](http://docs.google.com/javax/swing/JScrollPane.html) scrollpane)  **Deprecated.** *As of JDK version Swing1.1 replaced by JScrollPane.getViewportBorderBounds().* |
| boolean | **JViewport.**[**isBackingStoreEnabled**](http://docs.google.com/javax/swing/JViewport.html#isBackingStoreEnabled())()  **Deprecated.** *As of Java 2 platform v1.3, replaced by getScrollMode().* |
| static boolean | **FocusManager.**[**isFocusManagerEnabled**](http://docs.google.com/javax/swing/FocusManager.html#isFocusManagerEnabled())()  **Deprecated.** *As of 1.4, replaced by KeyboardFocusManager.getDefaultFocusTraversalPolicy()* |
| boolean | **JComponent.**[**isManagingFocus**](http://docs.google.com/javax/swing/JComponent.html#isManagingFocus())()  **Deprecated.** *As of 1.4, replaced by Component.setFocusTraversalKeys(int, Set) and Container.setFocusCycleRoot(boolean).* |
| boolean | **JComponent.**[**requestDefaultFocus**](http://docs.google.com/javax/swing/JComponent.html#requestDefaultFocus())()  **Deprecated.** *As of 1.4, replaced by FocusTraversalPolicy.getDefaultComponent(Container).requestFocus()* |
| void | **JComponent.**[**reshape**](http://docs.google.com/javax/swing/JComponent.html#reshape(int,%20int,%20int,%20int))(int x, int y, int w, int h)  **Deprecated.** *As of JDK 5, replaced by Component.setBounds(int, int, int, int).*  *Moves and resizes this component.* |
| void | **JViewport.**[**setBackingStoreEnabled**](http://docs.google.com/javax/swing/JViewport.html#setBackingStoreEnabled(boolean))(boolean enabled)  **Deprecated.** *As of Java 2 platform v1.3, replaced by setScrollMode().* |
| void | **AbstractButton.**[**setLabel**](http://docs.google.com/javax/swing/AbstractButton.html#setLabel(java.lang.String))([String](http://docs.google.com/java/lang/String.html) label)  **Deprecated.** *- Replaced by setText(text)* |
| void | **JInternalFrame.**[**setMenuBar**](http://docs.google.com/javax/swing/JInternalFrame.html#setMenuBar(javax.swing.JMenuBar))([JMenuBar](http://docs.google.com/javax/swing/JMenuBar.html) m)  **Deprecated.** *As of Swing version 1.0.3 replaced by setJMenuBar(JMenuBar m).* |
| void | **JRootPane.**[**setMenuBar**](http://docs.google.com/javax/swing/JRootPane.html#setMenuBar(javax.swing.JMenuBar))([JMenuBar](http://docs.google.com/javax/swing/JMenuBar.html) menu)  **Deprecated.** *As of Swing version 1.0.3 replaced by setJMenuBar(JMenuBar menu).* |
| void | **JComponent.**[**setNextFocusableComponent**](http://docs.google.com/javax/swing/JComponent.html#setNextFocusableComponent(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) aComponent)  **Deprecated.** *As of 1.4, replaced by FocusTraversalPolicy* |
| void | **JTable.**[**sizeColumnsToFit**](http://docs.google.com/javax/swing/JTable.html#sizeColumnsToFit(boolean))(boolean lastColumnOnly)  **Deprecated.** *As of Swing version 1.0.3, replaced by doLayout().* |

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

| Fields in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| protected  [KeyStroke](http://docs.google.com/javax/swing/KeyStroke.html) | **BasicDesktopPaneUI.**[**closeKey**](http://docs.google.com/javax/swing/plaf/basic/BasicDesktopPaneUI.html#closeKey)  **Deprecated.** *As of 1.3.* |
| protected  [KeyStroke](http://docs.google.com/javax/swing/KeyStroke.html) | **BasicSplitPaneUI.**[**dividerResizeToggleKey**](http://docs.google.com/javax/swing/plaf/basic/BasicSplitPaneUI.html#dividerResizeToggleKey)  **Deprecated.** *As of Java 2 platform v1.3.* |
| protected  [KeyStroke](http://docs.google.com/javax/swing/KeyStroke.html) | **BasicToolBarUI.**[**downKey**](http://docs.google.com/javax/swing/plaf/basic/BasicToolBarUI.html#downKey)  **Deprecated.** *As of Java 2 platform v1.3.* |
| protected  [KeyStroke](http://docs.google.com/javax/swing/KeyStroke.html) | **BasicTabbedPaneUI.**[**downKey**](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#downKey)  **Deprecated.** *As of Java 2 platform v1.3.* |
| protected  [KeyStroke](http://docs.google.com/javax/swing/KeyStroke.html) | **BasicSplitPaneUI.**[**downKey**](http://docs.google.com/javax/swing/plaf/basic/BasicSplitPaneUI.html#downKey)  **Deprecated.** *As of Java 2 platform v1.3.* |
| protected  [KeyStroke](http://docs.google.com/javax/swing/KeyStroke.html) | **BasicSplitPaneUI.**[**endKey**](http://docs.google.com/javax/swing/plaf/basic/BasicSplitPaneUI.html#endKey)  **Deprecated.** *As of Java 2 platform v1.3.* |
| protected  [KeyStroke](http://docs.google.com/javax/swing/KeyStroke.html) | **BasicSplitPaneUI.**[**homeKey**](http://docs.google.com/javax/swing/plaf/basic/BasicSplitPaneUI.html#homeKey)  **Deprecated.** *As of Java 2 platform v1.3.* |
| protected  [ActionListener](http://docs.google.com/java/awt/event/ActionListener.html) | **BasicSplitPaneUI.**[**keyboardDownRightListener**](http://docs.google.com/javax/swing/plaf/basic/BasicSplitPaneUI.html#keyboardDownRightListener)  **Deprecated.** *As of Java 2 platform v1.3.* |
| protected  [ActionListener](http://docs.google.com/java/awt/event/ActionListener.html) | **BasicSplitPaneUI.**[**keyboardEndListener**](http://docs.google.com/javax/swing/plaf/basic/BasicSplitPaneUI.html#keyboardEndListener)  **Deprecated.** *As of Java 2 platform v1.3.* |
| protected  [ActionListener](http://docs.google.com/java/awt/event/ActionListener.html) | **BasicSplitPaneUI.**[**keyboardHomeListener**](http://docs.google.com/javax/swing/plaf/basic/BasicSplitPaneUI.html#keyboardHomeListener)  **Deprecated.** *As of Java 2 platform v1.3.* |
| protected  [ActionListener](http://docs.google.com/java/awt/event/ActionListener.html) | **BasicSplitPaneUI.**[**keyboardResizeToggleListener**](http://docs.google.com/javax/swing/plaf/basic/BasicSplitPaneUI.html#keyboardResizeToggleListener)  **Deprecated.** *As of Java 2 platform v1.3.* |
| protected  [ActionListener](http://docs.google.com/java/awt/event/ActionListener.html) | **BasicSplitPaneUI.**[**keyboardUpLeftListener**](http://docs.google.com/javax/swing/plaf/basic/BasicSplitPaneUI.html#keyboardUpLeftListener)  **Deprecated.** *As of Java 2 platform v1.3.* |
| protected  [KeyStroke](http://docs.google.com/javax/swing/KeyStroke.html) | **BasicToolBarUI.**[**leftKey**](http://docs.google.com/javax/swing/plaf/basic/BasicToolBarUI.html#leftKey)  **Deprecated.** *As of Java 2 platform v1.3.* |
| protected  [KeyStroke](http://docs.google.com/javax/swing/KeyStroke.html) | **BasicTabbedPaneUI.**[**leftKey**](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#leftKey)  **Deprecated.** *As of Java 2 platform v1.3.* |
| protected  [KeyStroke](http://docs.google.com/javax/swing/KeyStroke.html) | **BasicSplitPaneUI.**[**leftKey**](http://docs.google.com/javax/swing/plaf/basic/BasicSplitPaneUI.html#leftKey)  **Deprecated.** *As of Java 2 platform v1.3.* |
| protected  [KeyStroke](http://docs.google.com/javax/swing/KeyStroke.html) | **BasicDesktopPaneUI.**[**maximizeKey**](http://docs.google.com/javax/swing/plaf/basic/BasicDesktopPaneUI.html#maximizeKey)  **Deprecated.** *As of 1.3.* |
| protected  [KeyStroke](http://docs.google.com/javax/swing/KeyStroke.html) | **BasicDesktopPaneUI.**[**minimizeKey**](http://docs.google.com/javax/swing/plaf/basic/BasicDesktopPaneUI.html#minimizeKey)  **Deprecated.** *As of 1.3.* |
| protected  [KeyStroke](http://docs.google.com/javax/swing/KeyStroke.html) | **BasicDesktopPaneUI.**[**navigateKey**](http://docs.google.com/javax/swing/plaf/basic/BasicDesktopPaneUI.html#navigateKey)  **Deprecated.** *As of 1.3.* |
| protected  [KeyStroke](http://docs.google.com/javax/swing/KeyStroke.html) | **BasicDesktopPaneUI.**[**navigateKey2**](http://docs.google.com/javax/swing/plaf/basic/BasicDesktopPaneUI.html#navigateKey2)  **Deprecated.** *As of 1.3.* |
| protected  [KeyStroke](http://docs.google.com/javax/swing/KeyStroke.html) | **BasicInternalFrameUI.**[**openMenuKey**](http://docs.google.com/javax/swing/plaf/basic/BasicInternalFrameUI.html#openMenuKey)  **Deprecated.** *As of Java 2 platform v1.3.* |
| protected  [KeyStroke](http://docs.google.com/javax/swing/KeyStroke.html) | **BasicToolBarUI.**[**rightKey**](http://docs.google.com/javax/swing/plaf/basic/BasicToolBarUI.html#rightKey)  **Deprecated.** *As of Java 2 platform v1.3.* |
| protected  [KeyStroke](http://docs.google.com/javax/swing/KeyStroke.html) | **BasicTabbedPaneUI.**[**rightKey**](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#rightKey)  **Deprecated.** *As of Java 2 platform v1.3.* |
| protected  [KeyStroke](http://docs.google.com/javax/swing/KeyStroke.html) | **BasicSplitPaneUI.**[**rightKey**](http://docs.google.com/javax/swing/plaf/basic/BasicSplitPaneUI.html#rightKey)  **Deprecated.** *As of Java 2 platform v1.3.* |
| protected  [KeyStroke](http://docs.google.com/javax/swing/KeyStroke.html) | **BasicToolBarUI.**[**upKey**](http://docs.google.com/javax/swing/plaf/basic/BasicToolBarUI.html#upKey)  **Deprecated.** *As of Java 2 platform v1.3.* |
| protected  [KeyStroke](http://docs.google.com/javax/swing/KeyStroke.html) | **BasicTabbedPaneUI.**[**upKey**](http://docs.google.com/javax/swing/plaf/basic/BasicTabbedPaneUI.html#upKey)  **Deprecated.** *As of Java 2 platform v1.3.* |
| protected  [KeyStroke](http://docs.google.com/javax/swing/KeyStroke.html) | **BasicSplitPaneUI.**[**upKey**](http://docs.google.com/javax/swing/plaf/basic/BasicSplitPaneUI.html#upKey)  **Deprecated.** *As of Java 2 platform v1.3.* |

| Methods in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| protected  [ActionListener](http://docs.google.com/java/awt/event/ActionListener.html) | **BasicSplitPaneUI.**[**createKeyboardDownRightListener**](http://docs.google.com/javax/swing/plaf/basic/BasicSplitPaneUI.html#createKeyboardDownRightListener())()  **Deprecated.** *As of Java 2 platform v1.3.* |
| protected  [ActionListener](http://docs.google.com/java/awt/event/ActionListener.html) | **BasicSplitPaneUI.**[**createKeyboardEndListener**](http://docs.google.com/javax/swing/plaf/basic/BasicSplitPaneUI.html#createKeyboardEndListener())()  **Deprecated.** *As of Java 2 platform v1.3.* |
| protected  [ActionListener](http://docs.google.com/java/awt/event/ActionListener.html) | **BasicSplitPaneUI.**[**createKeyboardHomeListener**](http://docs.google.com/javax/swing/plaf/basic/BasicSplitPaneUI.html#createKeyboardHomeListener())()  **Deprecated.** *As of Java 2 platform v1.3.* |
| protected  [ActionListener](http://docs.google.com/java/awt/event/ActionListener.html) | **BasicSplitPaneUI.**[**createKeyboardResizeToggleListener**](http://docs.google.com/javax/swing/plaf/basic/BasicSplitPaneUI.html#createKeyboardResizeToggleListener())()  **Deprecated.** *As of Java 2 platform v1.3.* |
| protected  [ActionListener](http://docs.google.com/java/awt/event/ActionListener.html) | **BasicSplitPaneUI.**[**createKeyboardUpLeftListener**](http://docs.google.com/javax/swing/plaf/basic/BasicSplitPaneUI.html#createKeyboardUpLeftListener())()  **Deprecated.** *As of Java 2 platform v1.3.* |
| protected  int | **BasicSplitPaneUI.**[**getDividerBorderSize**](http://docs.google.com/javax/swing/plaf/basic/BasicSplitPaneUI.html#getDividerBorderSize())()  **Deprecated.** *As of Java 2 platform v1.3, instead set the border on the divider.* |

| Uses of [Deprecated](http://docs.google.com/java/lang/Deprecated.html) in [javax.swing.plaf.metal](http://docs.google.com/javax/swing/plaf/metal/package-summary.html) | |
| --- | --- |

| Classes in [javax.swing.plaf.metal](http://docs.google.com/javax/swing/plaf/metal/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| class | [**MetalComboBoxUI.MetalComboPopup**](http://docs.google.com/javax/swing/plaf/metal/MetalComboBoxUI.MetalComboPopup.html)  **Deprecated.** *As of Java 2 platform v1.4.* |

| Methods in [javax.swing.plaf.metal](http://docs.google.com/javax/swing/plaf/metal/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| protected  void | **MetalComboBoxUI.**[**editablePropertyChanged**](http://docs.google.com/javax/swing/plaf/metal/MetalComboBoxUI.html#editablePropertyChanged(java.beans.PropertyChangeEvent))([PropertyChangeEvent](http://docs.google.com/java/beans/PropertyChangeEvent.html) e)  **Deprecated.** *As of Java 2 platform v1.4.* |
| protected  void | **MetalComboBoxUI.**[**removeListeners**](http://docs.google.com/javax/swing/plaf/metal/MetalComboBoxUI.html#removeListeners())()  **Deprecated.** *As of Java 2 platform v1.4.* |

| Uses of [Deprecated](http://docs.google.com/java/lang/Deprecated.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) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| protected  int | **TableColumn.**[**resizedPostingDisableCount**](http://docs.google.com/javax/swing/table/TableColumn.html#resizedPostingDisableCount)  **Deprecated.** *as of Java 2 platform v1.3* |

| Methods in [javax.swing.table](http://docs.google.com/javax/swing/table/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| void | **TableColumn.**[**disableResizedPosting**](http://docs.google.com/javax/swing/table/TableColumn.html#disableResizedPosting())()  **Deprecated.** *as of Java 2 platform v1.3* |
| void | **TableColumn.**[**enableResizedPosting**](http://docs.google.com/javax/swing/table/TableColumn.html#enableResizedPosting())()  **Deprecated.** *as of Java 2 platform v1.3* |

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

| Classes in [javax.swing.text](http://docs.google.com/javax/swing/text/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| class | [**DefaultTextUI**](http://docs.google.com/javax/swing/text/DefaultTextUI.html)  **Deprecated.** |
| class | [**TableView.TableCell**](http://docs.google.com/javax/swing/text/TableView.TableCell.html)  **Deprecated.** *A table cell can now be any View implementation.* |

| Methods in [javax.swing.text](http://docs.google.com/javax/swing/text/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| protected  [TableView.TableCell](http://docs.google.com/javax/swing/text/TableView.TableCell.html) | **TableView.**[**createTableCell**](http://docs.google.com/javax/swing/text/TableView.html#createTableCell(javax.swing.text.Element))([Element](http://docs.google.com/javax/swing/text/Element.html) elem)  **Deprecated.** *Table cells can now be any arbitrary View implementation and should be produced by the ViewFactory rather than the table.* |
| protected  [FontMetrics](http://docs.google.com/java/awt/FontMetrics.html) | **LabelView.**[**getFontMetrics**](http://docs.google.com/javax/swing/text/LabelView.html#getFontMetrics())()  **Deprecated.** *FontMetrics are not used for glyph rendering when running in the JDK.* |
| [Shape](http://docs.google.com/java/awt/Shape.html) | **View.**[**modelToView**](http://docs.google.com/javax/swing/text/View.html#modelToView(int,%20java.awt.Shape))(int pos, [Shape](http://docs.google.com/java/awt/Shape.html) a)  **Deprecated.** |
| int | **View.**[**viewToModel**](http://docs.google.com/javax/swing/text/View.html#viewToModel(float,%20float,%20java.awt.Shape))(float x, float y, [Shape](http://docs.google.com/java/awt/Shape.html) a)  **Deprecated.** |

| Uses of [Deprecated](http://docs.google.com/java/lang/Deprecated.html) in [javax.swing.text.html](http://docs.google.com/javax/swing/text/html/package-summary.html) | |
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| Fields in [javax.swing.text.html](http://docs.google.com/javax/swing/text/html/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| static [String](http://docs.google.com/java/lang/String.html) | **FormView.**[**RESET**](http://docs.google.com/javax/swing/text/html/FormView.html#RESET)  **Deprecated.** *As of 1.3, value comes from UIManager UIManager property FormView.resetButtonText* |
| static [String](http://docs.google.com/java/lang/String.html) | **FormView.**[**SUBMIT**](http://docs.google.com/javax/swing/text/html/FormView.html#SUBMIT)  **Deprecated.** *As of 1.3, value now comes from UIManager property FormView.submitButtonText* |

| Methods in [javax.swing.text.html](http://docs.google.com/javax/swing/text/html/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| protected  void | **HTMLEditorKit.InsertHTMLTextAction.**[**insertAtBoundry**](http://docs.google.com/javax/swing/text/html/HTMLEditorKit.InsertHTMLTextAction.html#insertAtBoundry(javax.swing.JEditorPane,%20javax.swing.text.html.HTMLDocument,%20int,%20javax.swing.text.Element,%20java.lang.String,%20javax.swing.text.html.HTML.Tag,%20javax.swing.text.html.HTML.Tag))([JEditorPane](http://docs.google.com/javax/swing/JEditorPane.html) editor, [HTMLDocument](http://docs.google.com/javax/swing/text/html/HTMLDocument.html) doc, int offset, [Element](http://docs.google.com/javax/swing/text/Element.html) insertElement, [String](http://docs.google.com/java/lang/String.html) html, [HTML.Tag](http://docs.google.com/javax/swing/text/html/HTML.Tag.html) parentTag, [HTML.Tag](http://docs.google.com/javax/swing/text/html/HTML.Tag.html) addTag)  **Deprecated.** *As of Java 2 platform v1.3, use insertAtBoundary* |

| Uses of [Deprecated](http://docs.google.com/java/lang/Deprecated.html) in [org.omg.CORBA](http://docs.google.com/org/omg/CORBA/package-summary.html) | |
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| Classes in [org.omg.CORBA](http://docs.google.com/org/omg/CORBA/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| class | [**DynamicImplementation**](http://docs.google.com/org/omg/CORBA/DynamicImplementation.html)  **Deprecated.** *org.omg.CORBA.DynamicImplementation* |
| interface | [**DynAny**](http://docs.google.com/org/omg/CORBA/DynAny.html)  **Deprecated.** *Use the new* [*DynAny*](http://docs.google.com/org/omg/DynamicAny/DynAny.html) *instead* |
| interface | [**DynArray**](http://docs.google.com/org/omg/CORBA/DynArray.html)  **Deprecated.** *Use the new* [*DynArray*](http://docs.google.com/org/omg/DynamicAny/DynArray.html) *instead* |
| interface | [**DynEnum**](http://docs.google.com/org/omg/CORBA/DynEnum.html)  **Deprecated.** *Use the new* [*DynEnum*](http://docs.google.com/org/omg/DynamicAny/DynEnum.html) *instead* |
| interface | [**DynFixed**](http://docs.google.com/org/omg/CORBA/DynFixed.html)  **Deprecated.** *Use the new* [*DynFixed*](http://docs.google.com/org/omg/DynamicAny/DynFixed.html) *instead* |
| interface | [**DynSequence**](http://docs.google.com/org/omg/CORBA/DynSequence.html)  **Deprecated.** *Use the new* [*DynSequence*](http://docs.google.com/org/omg/DynamicAny/DynSequence.html) *instead* |
| interface | [**DynStruct**](http://docs.google.com/org/omg/CORBA/DynStruct.html)  **Deprecated.** *Use the new* [*DynStruct*](http://docs.google.com/org/omg/DynamicAny/DynStruct.html) *instead* |
| interface | [**DynUnion**](http://docs.google.com/org/omg/CORBA/DynUnion.html)  **Deprecated.** *Use the new* [*DynUnion*](http://docs.google.com/org/omg/DynamicAny/DynUnion.html) *instead* |
| interface | [**DynValue**](http://docs.google.com/org/omg/CORBA/DynValue.html)  **Deprecated.** *Use the new* [*DynValue*](http://docs.google.com/org/omg/DynamicAny/DynValue.html) *instead* |
| class | [**Principal**](http://docs.google.com/org/omg/CORBA/Principal.html)  **Deprecated.** *Deprecated by CORBA 2.2.* |
| class | [**PrincipalHolder**](http://docs.google.com/org/omg/CORBA/PrincipalHolder.html)  **Deprecated.** *Deprecated by CORBA 2.2.* |

| Methods in [org.omg.CORBA](http://docs.google.com/org/omg/CORBA/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
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| [DynAny](http://docs.google.com/org/omg/CORBA/DynAny.html) | **ORB.**[**create\_basic\_dyn\_any**](http://docs.google.com/org/omg/CORBA/ORB.html#create_basic_dyn_any(org.omg.CORBA.TypeCode))([TypeCode](http://docs.google.com/org/omg/CORBA/TypeCode.html) type)  **Deprecated.** *Use the new* [*DynAnyFactory*](http://docs.google.com/org/omg/DynamicAny/DynAnyFactory.html) *API instead* |
| [DynAny](http://docs.google.com/org/omg/CORBA/DynAny.html) | **ORB.**[**create\_dyn\_any**](http://docs.google.com/org/omg/CORBA/ORB.html#create_dyn_any(org.omg.CORBA.Any))([Any](http://docs.google.com/org/omg/CORBA/Any.html) value)  **Deprecated.** *Use the new* [*DynAnyFactory*](http://docs.google.com/org/omg/DynamicAny/DynAnyFactory.html) *API instead* |
| [DynArray](http://docs.google.com/org/omg/CORBA/DynArray.html) | **ORB.**[**create\_dyn\_array**](http://docs.google.com/org/omg/CORBA/ORB.html#create_dyn_array(org.omg.CORBA.TypeCode))([TypeCode](http://docs.google.com/org/omg/CORBA/TypeCode.html) type)  **Deprecated.** *Use the new* [*DynAnyFactory*](http://docs.google.com/org/omg/DynamicAny/DynAnyFactory.html) *API instead* |
| [DynEnum](http://docs.google.com/org/omg/CORBA/DynEnum.html) | **ORB.**[**create\_dyn\_enum**](http://docs.google.com/org/omg/CORBA/ORB.html#create_dyn_enum(org.omg.CORBA.TypeCode))([TypeCode](http://docs.google.com/org/omg/CORBA/TypeCode.html) type)  **Deprecated.** *Use the new* [*DynAnyFactory*](http://docs.google.com/org/omg/DynamicAny/DynAnyFactory.html) *API instead* |
| [DynSequence](http://docs.google.com/org/omg/CORBA/DynSequence.html) | **ORB.**[**create\_dyn\_sequence**](http://docs.google.com/org/omg/CORBA/ORB.html#create_dyn_sequence(org.omg.CORBA.TypeCode))([TypeCode](http://docs.google.com/org/omg/CORBA/TypeCode.html) type)  **Deprecated.** *Use the new* [*DynAnyFactory*](http://docs.google.com/org/omg/DynamicAny/DynAnyFactory.html) *API instead* |
| [DynStruct](http://docs.google.com/org/omg/CORBA/DynStruct.html) | **ORB.**[**create\_dyn\_struct**](http://docs.google.com/org/omg/CORBA/ORB.html#create_dyn_struct(org.omg.CORBA.TypeCode))([TypeCode](http://docs.google.com/org/omg/CORBA/TypeCode.html) type)  **Deprecated.** *Use the new* [*DynAnyFactory*](http://docs.google.com/org/omg/DynamicAny/DynAnyFactory.html) *API instead* |
| [DynUnion](http://docs.google.com/org/omg/CORBA/DynUnion.html) | **ORB.**[**create\_dyn\_union**](http://docs.google.com/org/omg/CORBA/ORB.html#create_dyn_union(org.omg.CORBA.TypeCode))([TypeCode](http://docs.google.com/org/omg/CORBA/TypeCode.html) type)  **Deprecated.** *Use the new* [*DynAnyFactory*](http://docs.google.com/org/omg/DynamicAny/DynAnyFactory.html) *API instead* |
| abstract  [TypeCode](http://docs.google.com/org/omg/CORBA/TypeCode.html) | **ORB.**[**create\_recursive\_sequence\_tc**](http://docs.google.com/org/omg/CORBA/ORB.html#create_recursive_sequence_tc(int,%20int))(int bound, int offset)  **Deprecated.** *Use a combination of create\_recursive\_tc and create\_sequence\_tc instead* |
| void | **ServerRequest.**[**except**](http://docs.google.com/org/omg/CORBA/ServerRequest.html#except(org.omg.CORBA.Any))([Any](http://docs.google.com/org/omg/CORBA/Any.html) any)  **Deprecated.** *use set\_exception()* |
| [Principal](http://docs.google.com/org/omg/CORBA/Principal.html) | **Any.**[**extract\_Principal**](http://docs.google.com/org/omg/CORBA/Any.html#extract_Principal())()  **Deprecated.** *Deprecated by CORBA 2.2.* |
| [Current](http://docs.google.com/org/omg/CORBA/Current.html) | **ORB.**[**get\_current**](http://docs.google.com/org/omg/CORBA/ORB.html#get_current())()  **Deprecated.** *use resolve\_initial\_references.* |
| void | **Any.**[**insert\_Principal**](http://docs.google.com/org/omg/CORBA/Any.html#insert_Principal(org.omg.CORBA.Principal))([Principal](http://docs.google.com/org/omg/CORBA/Principal.html) p)  **Deprecated.** *Deprecated by CORBA 2.2.* |
| void | **DynamicImplementation.**[**invoke**](http://docs.google.com/org/omg/CORBA/DynamicImplementation.html#invoke(org.omg.CORBA.ServerRequest))([ServerRequest](http://docs.google.com/org/omg/CORBA/ServerRequest.html) request)  **Deprecated.** *Deprecated by Portable Object Adapter* |
| byte[] | **Principal.**[**name**](http://docs.google.com/org/omg/CORBA/Principal.html#name())()  **Deprecated.** *Deprecated by CORBA 2.2.* |
| void | **Principal.**[**name**](http://docs.google.com/org/omg/CORBA/Principal.html#name(byte%5B%5D))(byte[] value)  **Deprecated.** *Deprecated by CORBA 2.2.* |
| [String](http://docs.google.com/java/lang/String.html) | **ServerRequest.**[**op\_name**](http://docs.google.com/org/omg/CORBA/ServerRequest.html#op_name())()  **Deprecated.** *use operation()* |
| void | **ServerRequest.**[**params**](http://docs.google.com/org/omg/CORBA/ServerRequest.html#params(org.omg.CORBA.NVList))([NVList](http://docs.google.com/org/omg/CORBA/NVList.html) params)  **Deprecated.** *use the method arguments* |
| void | **ServerRequest.**[**result**](http://docs.google.com/org/omg/CORBA/ServerRequest.html#result(org.omg.CORBA.Any))([Any](http://docs.google.com/org/omg/CORBA/Any.html) any)  **Deprecated.** *use the method set\_result* |

| Constructors in [org.omg.CORBA](http://docs.google.com/org/omg/CORBA/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
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| [**TCKind**](http://docs.google.com/org/omg/CORBA/TCKind.html#TCKind(int))(int \_value)  **Deprecated.** *Do not use this constructor as this method should be private according to the OMG specification. Use* [*TCKind.from\_int(int)*](http://docs.google.com/org/omg/CORBA/TCKind.html#from_int(int)) *instead.* |

| Uses of [Deprecated](http://docs.google.com/java/lang/Deprecated.html) in [org.omg.CORBA.portable](http://docs.google.com/org/omg/CORBA/portable/package-summary.html) | |
| --- | --- |

| Methods in [org.omg.CORBA.portable](http://docs.google.com/org/omg/CORBA/portable/package-summary.html) with annotations of type [Deprecated](http://docs.google.com/java/lang/Deprecated.html) | |
| --- | --- |
| [Principal](http://docs.google.com/org/omg/CORBA/Principal.html) | **InputStream.**[**read\_Principal**](http://docs.google.com/org/omg/CORBA/portable/InputStream.html#read_Principal())()  **Deprecated.** *Deprecated by CORBA 2.2.* |
| void | **OutputStream.**[**write\_Principal**](http://docs.google.com/org/omg/CORBA/portable/OutputStream.html#write_Principal(org.omg.CORBA.Principal))([Principal](http://docs.google.com/org/omg/CORBA/Principal.html) value)  **Deprecated.** *Deprecated by CORBA 2.2.* |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/lang/Deprecated.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/lang//class-useDeprecated.html)    [**NO FRAMES**](http://docs.google.com/Deprecated.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.

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