



javax.swing.\*

## Layered Panes

Methods declared in supertypes are hidden in subtypes



### DesktopManager

Accessors  
**void** **setBoundsForFrame** (JComponent f, int newX, int newY, int newWidth, int newHeight)  
Other Public Methods  
**void** **activateFrame** (JInternalFrame f)  
**void** **beginDraggingFrame** (JComponent f)  
**void** **beginResizingFrame** (JComponent f, int direction)  
**void** **closeFrame** (JInternalFrame f)  
**void** **deactivateFrame** (JInternalFrame f)  
**void** **deiconifyFrame** (JInternalFrame f)  
**void** **dragFrame** (JComponent f, int newX, int newY)  
**void** **endDraggingFrame** (JComponent f)  
**void** **endResizingFrame** (JComponent f)  
**void** **iconifyFrame** (JInternalFrame f)  
**void** **maximizeFrame** (JInternalFrame f)  
**void** **minimizeFrame** (JInternalFrame f)  
**void** **openFrame** (JInternalFrame f)  
**void** **resizeFrame** (JComponent f, int newX, int newY, int newWidth, int newHeight)



Serializable



### DefaultDesktopManager

Accessors + Collectors  
# **Rectangle** **getBoundsForIconOf** (JInternalFrame f)  
# **Rectangle** **get/setPreviousBounds** (JInternalFrame f)  
# **void** **setWasIcon** (JInternalFrame f, Boolean value)  
# **void** **removelconFor** (JInternalFrame f)  
Other Protected Methods  
# **boolean** **wasIcon** (JInternalFrame f)

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java.awt **Component**



java.awt **Container**



**JComponent**



### JLayeredPane

**JLayeredPane** ()  
Static Methods  
**int** **getLayer** (JComponent c)  
**JLayeredPane** **getLayeredPaneAbove** (Component c)  
**void** **putLayer** (JComponent c, int layer)  
Accessors + Collectors  
# **Hashtable** **getComponentToLayer** ()  
**Component[]** **getComponentsInLayer** (int layer)  
**int** **getIndexOf** (Component c)  
# **int** **get/setLayer** (Component c)  
# **Integer** **getObjectForLayer** (int layer)  
**int** **get/setPosition** (Component c)  
**void** **setLayer** (Component c, int layer, int position)  
# **int** **insertIndexForLayer** (int layer, int position)  
Other Public Methods  
**int** **highestLayer** ()  
**int** **lowestLayer** ()  
**void** **moveToBack** (Component c)  
**void** **moveToFront** (Component c)

**Integer** **DEFAULT\_LAYER, PALETTE\_LAYER, MODAL\_LAYER, POPUP\_LAYER, DRAG\_LAYER, FRAME\_CONTENT\_LAYER**  
**String** **LAYER\_PROPERTY**



### JDesktopPane

**JDesktopPane** ()  
**JInternalFrame[]** **getAllFrames** ()  
**JInternalFrame[]** **getAllFramesInLayer** (int layer)  
**DesktopManager** **get/setDesktopManager** ()  
**int** **get/setDragMode** ()  
**JInternalFrame** **get/setSelectedFrame** ()  
**DesktopPaneUI** **get/setUI** ()  
**int** **LIVE\_DRAG\_MODE, OUTLINE\_DRAG\_MODE**



### RootPaneContainer

**Container** **get/setContentPane** ()  
**Component** **get/setGlassPane** ()  
**JLayeredPane** **get/setLayeredPane** ()  
**JRootPane** **getRootPane** ()



### WindowConstants

**int** **DO\_NOTHING\_ON\_CLOSE, HIDE\_ON\_CLOSE, DISPOSE\_ON\_CLOSE, EXIT\_ON\_CLOSE**



### JInternalFrame

**JInternalFrame** ()  
**JInternalFrame** (String title)  
**JInternalFrame** (String title, boolean resizable)  
**JInternalFrame** (String title, boolean resizable, boolean closable, boolean maximizable)  
**JInternalFrame** (String title, boolean resizable, boolean closable, boolean maximizable, boolean iconifiable)  
Accessors  
**int** **get/setDefaultCloseOperation** ()  
**JDesktopPane** **get/setDesktopPane** ()  
**Component** **getFocusOwner** ()  
**Icon** **get/setFrameIcon** ()  
**JMenuBar** **get/setMenuBar** ()  
**int** **get/setLayer** ()  
**Component** **getMostRecentFocusOwner** ()  
**Rectangle** **get/setNormalBounds** ()  
**String** **get/setTitle** ()  
**InternalFrameUI** **get/setUI** ()  
**String** **getWarningString** ()  
**boolean** **isClosed** ()  
**boolean** **isIcon** ()  
**boolean** **is/setIconifiable** ()  
**boolean** **is/setMaximizable** ()  
**boolean** **isMaximum** ()  
**boolean** **is/setResizable** ()  
**boolean** **is/setRootPaneCheckingEnabled** ()  
**boolean** **isSelected** ()  
**void** **setClosed** (boolean b)  
**void** **setIcon** (boolean b)  
**void** **setLayer** (Integer layer)  
**void** **setMaximum** (boolean b)  
**void** **setRootPane** (JRootPane root)  
**void** **setSelected** (boolean selected)

Event Methods  
**void** **add/removeInternalFrameListener** (InternalFrameListener l)  
**void** **fireInternalFrameEvent** (int id)  
**InternalFrameListener[]** **getInternalFrameListeners** ()  
Other Methods  
**void** **dispose** ()  
**void** **doDefaultCloseAction** ()  
**void** **moveToBack** ()  
**void** **moveToFront** ()  
**void** **pack** ()  
**void** **restoreSubcomponentFocus** ()  
**void** **toBack** ()  
**void** **toFront** ()  
# **JRootPane** **createRootPane** ()

**String** **CONTENT\_PANE\_PROPERTY, MENU\_BAR\_PROPERTY, TITLE\_PROPERTY, LAYERED\_PANE\_PROPERTY, ROOT\_PANE\_PROPERTY, GLASS\_PANE\_PROPERTY, FRAME\_ICON\_PROPERTY, IS\_SELECTED\_PROPERTY, IS\_CLOSED\_PROPERTY, IS\_MAXIMUM\_PROPERTY, IS\_ICON\_PROPERTY**

class **JDesktopPicon**