| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/PopupFactory.html) | [**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 CLASS**](http://docs.google.com/javax/swing/Popup.html)   [**NEXT CLASS**](http://docs.google.com/javax/swing/ProgressMonitor.html) | [**FRAMES**](http://docs.google.com/index.html?javax/swing/PopupFactory.html)    [**NO FRAMES**](http://docs.google.com/PopupFactory.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |
| SUMMARY: NESTED | FIELD | [CONSTR](#3znysh7) | [METHOD](#2et92p0) | DETAIL: FIELD | [CONSTR](#3dy6vkm) | [METHOD](#4d34og8) |

## **javax.swing**

Class PopupFactory

[java.lang.Object](http://docs.google.com/java/lang/Object.html)  
 **javax.swing.PopupFactory**

public class **PopupFactory**extends [Object](http://docs.google.com/java/lang/Object.html)

PopupFactory, as the name implies, is used to obtain instances of Popups. Popups are used to display a Component above all other Components in a particular containment hierarchy. The general contract is that once you have obtained a Popup from a PopupFactory, you must invoke hide on the Popup. The typical usage is:

PopupFactory factory = PopupFactory.getSharedInstance();  
 Popup popup = factory.getPopup(owner, contents, x, y);  
 popup.show();  
 ...  
 popup.hide();

**Since:** 1.4 **See Also:**[Popup](http://docs.google.com/javax/swing/Popup.html)

| **Constructor Summary** | |
| --- | --- |
| [**PopupFactory**](http://docs.google.com/javax/swing/PopupFactory.html#PopupFactory())() |

| **Method Summary** | |
| --- | --- |
| [Popup](http://docs.google.com/javax/swing/Popup.html) | [**getPopup**](http://docs.google.com/javax/swing/PopupFactory.html#getPopup(java.awt.Component,%20java.awt.Component,%20int,%20int))([Component](http://docs.google.com/java/awt/Component.html) owner, [Component](http://docs.google.com/java/awt/Component.html) contents, int x, int y)            Creates a Popup for the Component owner containing the Component contents. |
| static [PopupFactory](http://docs.google.com/javax/swing/PopupFactory.html) | [**getSharedInstance**](http://docs.google.com/javax/swing/PopupFactory.html#getSharedInstance())()            Returns the shared PopupFactory which can be used to obtain Popups. |
| static void | [**setSharedInstance**](http://docs.google.com/javax/swing/PopupFactory.html#setSharedInstance(javax.swing.PopupFactory))([PopupFactory](http://docs.google.com/javax/swing/PopupFactory.html) factory)            Sets the PopupFactory that will be used to obtain Popups. |

| **Methods inherited from class java.lang.**[**Object**](http://docs.google.com/java/lang/Object.html) |
| --- |
| [clone](http://docs.google.com/java/lang/Object.html#clone()), [equals](http://docs.google.com/java/lang/Object.html#equals(java.lang.Object)), [finalize](http://docs.google.com/java/lang/Object.html#finalize()), [getClass](http://docs.google.com/java/lang/Object.html#getClass()), [hashCode](http://docs.google.com/java/lang/Object.html#hashCode()), [notify](http://docs.google.com/java/lang/Object.html#notify()), [notifyAll](http://docs.google.com/java/lang/Object.html#notifyAll()), [toString](http://docs.google.com/java/lang/Object.html#toString()), [wait](http://docs.google.com/java/lang/Object.html#wait()), [wait](http://docs.google.com/java/lang/Object.html#wait(long)), [wait](http://docs.google.com/java/lang/Object.html#wait(long,%20int)) |

| **Constructor Detail** |
| --- |

### PopupFactory

public **PopupFactory**()

| **Method Detail** |
| --- |

### setSharedInstance

public static void **setSharedInstance**([PopupFactory](http://docs.google.com/javax/swing/PopupFactory.html) factory)

Sets the PopupFactory that will be used to obtain Popups. This will throw an IllegalArgumentException if factory is null.

**Parameters:**factory - Shared PopupFactory **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if factory is null**See Also:**[getPopup(java.awt.Component, java.awt.Component, int, int)](http://docs.google.com/javax/swing/PopupFactory.html#getPopup(java.awt.Component,%20java.awt.Component,%20int,%20int))

### getSharedInstance

public static [PopupFactory](http://docs.google.com/javax/swing/PopupFactory.html) **getSharedInstance**()

Returns the shared PopupFactory which can be used to obtain Popups.

**Returns:**Shared PopupFactory

### getPopup

public [Popup](http://docs.google.com/javax/swing/Popup.html) **getPopup**([Component](http://docs.google.com/java/awt/Component.html) owner,  
 [Component](http://docs.google.com/java/awt/Component.html) contents,  
 int x,  
 int y)  
 throws [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html)

Creates a Popup for the Component owner containing the Component contents. owner is used to determine which Window the new Popup will parent the Component the Popup creates to. A null owner implies there is no valid parent. x and y specify the preferred initial location to place the Popup at. Based on screen size, or other paramaters, the Popup may not display at x and y.

**Parameters:**owner - Component mouse coordinates are relative to, may be nullcontents - Contents of the Popupx - Initial x screen coordinatey - Initial y screen coordinate **Returns:**Popup containing Contents **Throws:** [IllegalArgumentException](http://docs.google.com/java/lang/IllegalArgumentException.html) - if contents is null

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | **Class** | [**Use**](http://docs.google.com/class-use/PopupFactory.html) | [**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*** |
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[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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