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

**Uses of Class**

**java.awt.GridBagConstraints**

| Packages that use [GridBagConstraints](http://docs.google.com/java/awt/GridBagConstraints.html) | |
| --- | --- |
| [**java.awt**](#3znysh7) | Contains all of the classes for creating user interfaces and for painting graphics and images. |
| [**javax.swing.plaf.basic**](#2et92p0) | Provides user interface objects built according to the Basic look and feel. |

| Uses of [GridBagConstraints](http://docs.google.com/java/awt/GridBagConstraints.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) declared as [GridBagConstraints](http://docs.google.com/java/awt/GridBagConstraints.html) | |
| --- | --- |
| protected  [GridBagConstraints](http://docs.google.com/java/awt/GridBagConstraints.html) | **GridBagLayout.**[**defaultConstraints**](http://docs.google.com/java/awt/GridBagLayout.html#defaultConstraints)            This field holds a gridbag constraints instance containing the default values, so if a component does not have gridbag constraints associated with it, then the component will be assigned a copy of the defaultConstraints. |

| Fields in [java.awt](http://docs.google.com/java/awt/package-summary.html) with type parameters of type [GridBagConstraints](http://docs.google.com/java/awt/GridBagConstraints.html) | |
| --- | --- |
| protected  [Hashtable](http://docs.google.com/java/util/Hashtable.html)<[Component](http://docs.google.com/java/awt/Component.html),[GridBagConstraints](http://docs.google.com/java/awt/GridBagConstraints.html)> | **GridBagLayout.**[**comptable**](http://docs.google.com/java/awt/GridBagLayout.html#comptable)            This hashtable maintains the association between a component and its gridbag constraints. |

| Methods in [java.awt](http://docs.google.com/java/awt/package-summary.html) that return [GridBagConstraints](http://docs.google.com/java/awt/GridBagConstraints.html) | |
| --- | --- |
| [GridBagConstraints](http://docs.google.com/java/awt/GridBagConstraints.html) | **GridBagLayout.**[**getConstraints**](http://docs.google.com/java/awt/GridBagLayout.html#getConstraints(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) comp)            Gets the constraints for the specified component. |
| protected  [GridBagConstraints](http://docs.google.com/java/awt/GridBagConstraints.html) | **GridBagLayout.**[**lookupConstraints**](http://docs.google.com/java/awt/GridBagLayout.html#lookupConstraints(java.awt.Component))([Component](http://docs.google.com/java/awt/Component.html) comp)            Retrieves the constraints for the specified component. |

| Methods in [java.awt](http://docs.google.com/java/awt/package-summary.html) with parameters of type [GridBagConstraints](http://docs.google.com/java/awt/GridBagConstraints.html) | |
| --- | --- |
| protected  void | **GridBagLayout.**[**adjustForGravity**](http://docs.google.com/java/awt/GridBagLayout.html#adjustForGravity(java.awt.GridBagConstraints,%20java.awt.Rectangle))([GridBagConstraints](http://docs.google.com/java/awt/GridBagConstraints.html) constraints, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) r)            Adjusts the x, y, width, and height fields to the correct values depending on the constraint geometry and pads. |
| protected  void | **GridBagLayout.**[**AdjustForGravity**](http://docs.google.com/java/awt/GridBagLayout.html#AdjustForGravity(java.awt.GridBagConstraints,%20java.awt.Rectangle))([GridBagConstraints](http://docs.google.com/java/awt/GridBagConstraints.html) constraints, [Rectangle](http://docs.google.com/java/awt/Rectangle.html) r)            This method is obsolete and supplied for backwards compatability only; new code should call [adjustForGravity](http://docs.google.com/java/awt/GridBagLayout.html#adjustForGravity(java.awt.GridBagConstraints,%20java.awt.Rectangle)) instead. |
| void | **GridBagLayout.**[**setConstraints**](http://docs.google.com/java/awt/GridBagLayout.html#setConstraints(java.awt.Component,%20java.awt.GridBagConstraints))([Component](http://docs.google.com/java/awt/Component.html) comp, [GridBagConstraints](http://docs.google.com/java/awt/GridBagConstraints.html) constraints)            Sets the constraints for the specified component in this layout. |

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

| Methods in [javax.swing.plaf.basic](http://docs.google.com/javax/swing/plaf/basic/package-summary.html) with parameters of type [GridBagConstraints](http://docs.google.com/java/awt/GridBagConstraints.html) | |
| --- | --- |
| protected  void | **BasicOptionPaneUI.**[**addMessageComponents**](http://docs.google.com/javax/swing/plaf/basic/BasicOptionPaneUI.html#addMessageComponents(java.awt.Container,%20java.awt.GridBagConstraints,%20java.lang.Object,%20int,%20boolean))([Container](http://docs.google.com/java/awt/Container.html) container, [GridBagConstraints](http://docs.google.com/java/awt/GridBagConstraints.html) cons, [Object](http://docs.google.com/java/lang/Object.html) msg, int maxll, boolean internallyCreated)            Creates the appropriate object to represent msg and places it into container. |

| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/awt/GridBagConstraints.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*** |
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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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