| | [**Overview**](http://docs.google.com/overview-summary.html) | [**Package**](http://docs.google.com/package-summary.html) | [**Class**](http://docs.google.com/java/awt/GraphicsConfiguration.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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| PREV   NEXT | [**FRAMES**](http://docs.google.com/index.html?java/awt//class-useGraphicsConfiguration.html)    [**NO FRAMES**](http://docs.google.com/GraphicsConfiguration.html)     [**All Classes**](http://docs.google.com/allclasses-noframe.html) |

**Uses of Class**

**java.awt.GraphicsConfiguration**

| Packages that use [GraphicsConfiguration](http://docs.google.com/java/awt/GraphicsConfiguration.html) | |
| --- | --- |
| [**java.awt**](#3znysh7) | Contains all of the classes for creating user interfaces and for painting graphics and images. |
| [**java.awt.image**](#2et92p0) | Provides classes for creating and modifying images. |
| [**javax.print**](#tyjcwt) | Provides the principal classes and interfaces for the JavaTM Print Service API. |
| [**javax.swing**](#3dy6vkm) | Provides a set of "lightweight" (all-Java language) components that, to the maximum degree possible, work the same on all platforms. |

| Uses of [GraphicsConfiguration](http://docs.google.com/java/awt/GraphicsConfiguration.html) in [java.awt](http://docs.google.com/java/awt/package-summary.html) | |
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| Methods in [java.awt](http://docs.google.com/java/awt/package-summary.html) that return [GraphicsConfiguration](http://docs.google.com/java/awt/GraphicsConfiguration.html) | |
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| [GraphicsConfiguration](http://docs.google.com/java/awt/GraphicsConfiguration.html) | **GraphicsDevice.**[**getBestConfiguration**](http://docs.google.com/java/awt/GraphicsDevice.html#getBestConfiguration(java.awt.GraphicsConfigTemplate))([GraphicsConfigTemplate](http://docs.google.com/java/awt/GraphicsConfigTemplate.html) gct)            Returns the "best" configuration possible that passes the criteria defined in the [GraphicsConfigTemplate](http://docs.google.com/java/awt/GraphicsConfigTemplate.html). |
| abstract  [GraphicsConfiguration](http://docs.google.com/java/awt/GraphicsConfiguration.html) | **GraphicsConfigTemplate.**[**getBestConfiguration**](http://docs.google.com/java/awt/GraphicsConfigTemplate.html#getBestConfiguration(java.awt.GraphicsConfiguration%5B%5D))([GraphicsConfiguration](http://docs.google.com/java/awt/GraphicsConfiguration.html)[] gc)            Returns the "best" configuration possible that passes the criteria defined in the GraphicsConfigTemplate. |
| abstract  [GraphicsConfiguration](http://docs.google.com/java/awt/GraphicsConfiguration.html)[] | **GraphicsDevice.**[**getConfigurations**](http://docs.google.com/java/awt/GraphicsDevice.html#getConfigurations())()            Returns all of the GraphicsConfiguration objects associated with this GraphicsDevice. |
| abstract  [GraphicsConfiguration](http://docs.google.com/java/awt/GraphicsConfiguration.html) | **GraphicsDevice.**[**getDefaultConfiguration**](http://docs.google.com/java/awt/GraphicsDevice.html#getDefaultConfiguration())()            Returns the default GraphicsConfiguration associated with this GraphicsDevice. |
| abstract  [GraphicsConfiguration](http://docs.google.com/java/awt/GraphicsConfiguration.html) | **Graphics2D.**[**getDeviceConfiguration**](http://docs.google.com/java/awt/Graphics2D.html#getDeviceConfiguration())()            Returns the device configuration associated with this Graphics2D. |
| [GraphicsConfiguration](http://docs.google.com/java/awt/GraphicsConfiguration.html) | **Window.**[**getGraphicsConfiguration**](http://docs.google.com/java/awt/Window.html#getGraphicsConfiguration())()            This method returns the GraphicsConfiguration used by this Window. |
| [GraphicsConfiguration](http://docs.google.com/java/awt/GraphicsConfiguration.html) | **Component.**[**getGraphicsConfiguration**](http://docs.google.com/java/awt/Component.html#getGraphicsConfiguration())()            Gets the GraphicsConfiguration associated with this Component. |

| Methods in [java.awt](http://docs.google.com/java/awt/package-summary.html) with parameters of type [GraphicsConfiguration](http://docs.google.com/java/awt/GraphicsConfiguration.html) | |
| --- | --- |
| abstract  [GraphicsConfiguration](http://docs.google.com/java/awt/GraphicsConfiguration.html) | **GraphicsConfigTemplate.**[**getBestConfiguration**](http://docs.google.com/java/awt/GraphicsConfigTemplate.html#getBestConfiguration(java.awt.GraphicsConfiguration%5B%5D))([GraphicsConfiguration](http://docs.google.com/java/awt/GraphicsConfiguration.html)[] gc)            Returns the "best" configuration possible that passes the criteria defined in the GraphicsConfigTemplate. |
| [ImageCapabilities](http://docs.google.com/java/awt/ImageCapabilities.html) | **Image.**[**getCapabilities**](http://docs.google.com/java/awt/Image.html#getCapabilities(java.awt.GraphicsConfiguration))([GraphicsConfiguration](http://docs.google.com/java/awt/GraphicsConfiguration.html) gc)            Returns an ImageCapabilities object which can be inquired as to the capabilities of this Image on the specified GraphicsConfiguration. |
| [Insets](http://docs.google.com/java/awt/Insets.html) | **Toolkit.**[**getScreenInsets**](http://docs.google.com/java/awt/Toolkit.html#getScreenInsets(java.awt.GraphicsConfiguration))([GraphicsConfiguration](http://docs.google.com/java/awt/GraphicsConfiguration.html) gc)            Gets the insets of the screen. |
| abstract  boolean | **GraphicsConfigTemplate.**[**isGraphicsConfigSupported**](http://docs.google.com/java/awt/GraphicsConfigTemplate.html#isGraphicsConfigSupported(java.awt.GraphicsConfiguration))([GraphicsConfiguration](http://docs.google.com/java/awt/GraphicsConfiguration.html) gc)            Returns a boolean indicating whether or not the specified GraphicsConfiguration can be used to create a drawing surface that supports the indicated features. |

| Constructors in [java.awt](http://docs.google.com/java/awt/package-summary.html) with parameters of type [GraphicsConfiguration](http://docs.google.com/java/awt/GraphicsConfiguration.html) | |
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| [**Canvas**](http://docs.google.com/java/awt/Canvas.html#Canvas(java.awt.GraphicsConfiguration))([GraphicsConfiguration](http://docs.google.com/java/awt/GraphicsConfiguration.html) config)            Constructs a new Canvas given a GraphicsConfiguration object. |
| [**Dialog**](http://docs.google.com/java/awt/Dialog.html#Dialog(java.awt.Dialog,%20java.lang.String,%20boolean,%20java.awt.GraphicsConfiguration))([Dialog](http://docs.google.com/java/awt/Dialog.html) owner, [String](http://docs.google.com/java/lang/String.html) title, boolean modal, [GraphicsConfiguration](http://docs.google.com/java/awt/GraphicsConfiguration.html) gc)            Constructs an initially invisible Dialog with the specified owner Dialog, title, modality and GraphicsConfiguration. |
| [**Dialog**](http://docs.google.com/java/awt/Dialog.html#Dialog(java.awt.Frame,%20java.lang.String,%20boolean,%20java.awt.GraphicsConfiguration))([Frame](http://docs.google.com/java/awt/Frame.html) owner, [String](http://docs.google.com/java/lang/String.html) title, boolean modal, [GraphicsConfiguration](http://docs.google.com/java/awt/GraphicsConfiguration.html) gc)            Constructs an initially invisible Dialog with the specified owner Frame, title, modality, and GraphicsConfiguration. |
| [**Dialog**](http://docs.google.com/java/awt/Dialog.html#Dialog(java.awt.Window,%20java.lang.String,%20java.awt.Dialog.ModalityType,%20java.awt.GraphicsConfiguration))([Window](http://docs.google.com/java/awt/Window.html) owner, [String](http://docs.google.com/java/lang/String.html) title, [Dialog.ModalityType](http://docs.google.com/java/awt/Dialog.ModalityType.html) modalityType, [GraphicsConfiguration](http://docs.google.com/java/awt/GraphicsConfiguration.html) gc)            Constructs an initially invisible Dialog with the specified owner Window, title, modality and GraphicsConfiguration. |
| [**Frame**](http://docs.google.com/java/awt/Frame.html#Frame(java.awt.GraphicsConfiguration))([GraphicsConfiguration](http://docs.google.com/java/awt/GraphicsConfiguration.html) gc)            Constructs a new, initially invisible Frame with the specified GraphicsConfiguration. |
| [**Frame**](http://docs.google.com/java/awt/Frame.html#Frame(java.lang.String,%20java.awt.GraphicsConfiguration))([String](http://docs.google.com/java/lang/String.html) title, [GraphicsConfiguration](http://docs.google.com/java/awt/GraphicsConfiguration.html) gc)            Constructs a new, initially invisible Frame object with the specified title and a GraphicsConfiguration. |
| [**Window**](http://docs.google.com/java/awt/Window.html#Window(java.awt.Window,%20java.awt.GraphicsConfiguration))([Window](http://docs.google.com/java/awt/Window.html) owner, [GraphicsConfiguration](http://docs.google.com/java/awt/GraphicsConfiguration.html) gc)            Constructs a new, initially invisible window with the specified owner Window and a GraphicsConfiguration of a screen device. |

| Uses of [GraphicsConfiguration](http://docs.google.com/java/awt/GraphicsConfiguration.html) in [java.awt.image](http://docs.google.com/java/awt/image/package-summary.html) | |
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| Methods in [java.awt.image](http://docs.google.com/java/awt/image/package-summary.html) with parameters of type [GraphicsConfiguration](http://docs.google.com/java/awt/GraphicsConfiguration.html) | |
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| abstract  int | **VolatileImage.**[**validate**](http://docs.google.com/java/awt/image/VolatileImage.html#validate(java.awt.GraphicsConfiguration))([GraphicsConfiguration](http://docs.google.com/java/awt/GraphicsConfiguration.html) gc)            Attempts to restore the drawing surface of the image if the surface had been lost since the last validate call. |

| Uses of [GraphicsConfiguration](http://docs.google.com/java/awt/GraphicsConfiguration.html) in [javax.print](http://docs.google.com/javax/print/package-summary.html) | |
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| Methods in [javax.print](http://docs.google.com/javax/print/package-summary.html) with parameters of type [GraphicsConfiguration](http://docs.google.com/java/awt/GraphicsConfiguration.html) | |
| --- | --- |
| static [PrintService](http://docs.google.com/javax/print/PrintService.html) | **ServiceUI.**[**printDialog**](http://docs.google.com/javax/print/ServiceUI.html#printDialog(java.awt.GraphicsConfiguration,%20int,%20int,%20javax.print.PrintService%5B%5D,%20javax.print.PrintService,%20javax.print.DocFlavor,%20javax.print.attribute.PrintRequestAttributeSet))([GraphicsConfiguration](http://docs.google.com/java/awt/GraphicsConfiguration.html) gc, int x, int y, [PrintService](http://docs.google.com/javax/print/PrintService.html)[] services, [PrintService](http://docs.google.com/javax/print/PrintService.html) defaultService, [DocFlavor](http://docs.google.com/javax/print/DocFlavor.html) flavor, [PrintRequestAttributeSet](http://docs.google.com/javax/print/attribute/PrintRequestAttributeSet.html) attributes)            Presents a dialog to the user for selecting a print service (printer). |

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

| Constructors in [javax.swing](http://docs.google.com/javax/swing/package-summary.html) with parameters of type [GraphicsConfiguration](http://docs.google.com/java/awt/GraphicsConfiguration.html) | |
| --- | --- |
| [**JDialog**](http://docs.google.com/javax/swing/JDialog.html#JDialog(java.awt.Dialog,%20java.lang.String,%20boolean,%20java.awt.GraphicsConfiguration))([Dialog](http://docs.google.com/java/awt/Dialog.html) owner, [String](http://docs.google.com/java/lang/String.html) title, boolean modal, [GraphicsConfiguration](http://docs.google.com/java/awt/GraphicsConfiguration.html) gc)            Creates a dialog with the specified title, owner Dialog, modality and GraphicsConfiguration. |
| [**JDialog**](http://docs.google.com/javax/swing/JDialog.html#JDialog(java.awt.Frame,%20java.lang.String,%20boolean,%20java.awt.GraphicsConfiguration))([Frame](http://docs.google.com/java/awt/Frame.html) owner, [String](http://docs.google.com/java/lang/String.html) title, boolean modal, [GraphicsConfiguration](http://docs.google.com/java/awt/GraphicsConfiguration.html) gc)            Creates a dialog with the specified title, owner Frame, modality and GraphicsConfiguration. |
| [**JDialog**](http://docs.google.com/javax/swing/JDialog.html#JDialog(java.awt.Window,%20java.lang.String,%20java.awt.Dialog.ModalityType,%20java.awt.GraphicsConfiguration))([Window](http://docs.google.com/java/awt/Window.html) owner, [String](http://docs.google.com/java/lang/String.html) title, [Dialog.ModalityType](http://docs.google.com/java/awt/Dialog.ModalityType.html) modalityType, [GraphicsConfiguration](http://docs.google.com/java/awt/GraphicsConfiguration.html) gc)            Creates a dialog with the specified title, owner Window, modality and GraphicsConfiguration. |
| [**JFrame**](http://docs.google.com/javax/swing/JFrame.html#JFrame(java.awt.GraphicsConfiguration))([GraphicsConfiguration](http://docs.google.com/java/awt/GraphicsConfiguration.html) gc)            Creates a Frame in the specified GraphicsConfiguration of a screen device and a blank title. |
| [**JFrame**](http://docs.google.com/javax/swing/JFrame.html#JFrame(java.lang.String,%20java.awt.GraphicsConfiguration))([String](http://docs.google.com/java/lang/String.html) title, [GraphicsConfiguration](http://docs.google.com/java/awt/GraphicsConfiguration.html) gc)            Creates a JFrame with the specified title and the specified GraphicsConfiguration of a screen device. |
| [**JWindow**](http://docs.google.com/javax/swing/JWindow.html#JWindow(java.awt.GraphicsConfiguration))([GraphicsConfiguration](http://docs.google.com/java/awt/GraphicsConfiguration.html) gc)            Creates a window with the specified GraphicsConfiguration of a screen device. |
| [**JWindow**](http://docs.google.com/javax/swing/JWindow.html#JWindow(java.awt.Window,%20java.awt.GraphicsConfiguration))([Window](http://docs.google.com/java/awt/Window.html) owner, [GraphicsConfiguration](http://docs.google.com/java/awt/GraphicsConfiguration.html) gc)            Creates a window with the specified owner window and GraphicsConfiguration of a screen device. |

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