

# The New Features Of KWin



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# Plasma Package Structure



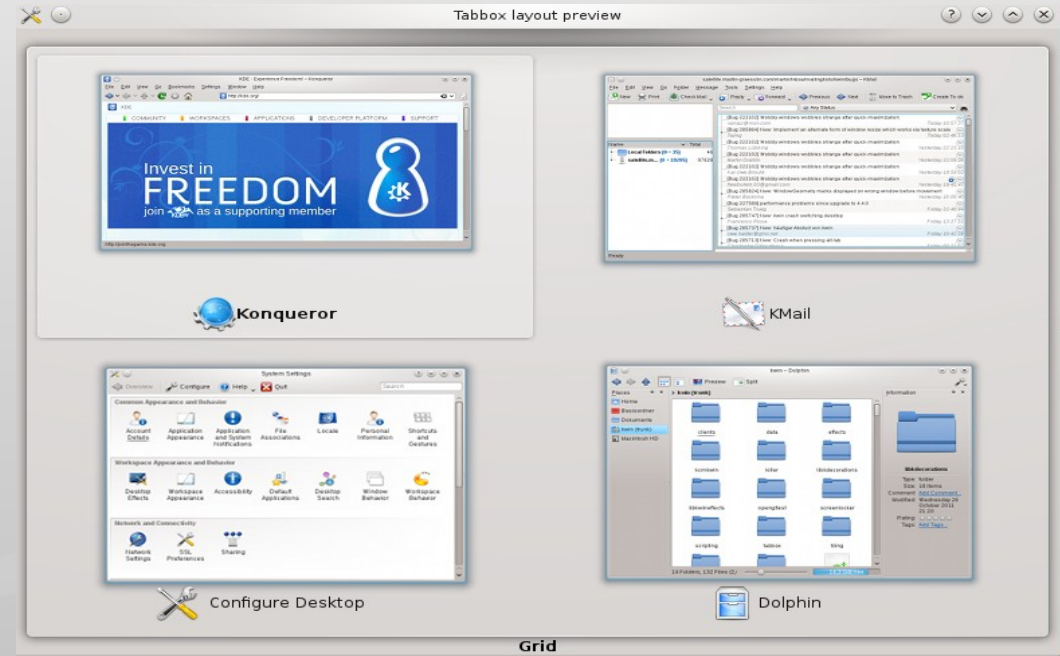
**\$PackageName-\$PackageVersion/**

- **metadata.desktop**
- **contents/**
  - **code/**
    - 1) files containing scripting code
    - 2) the main file that will be loaded at plasmoid start (unless you specify a different name in metadata.desktop)
  - **images/**
    - 1) image files in svg, png or jpeg format
  - **locale/**
    - 1) translation files in a standard localization hierarchy; e.g. German translation would appear in locale/l10n/de/
  - **ui/**
    - 1) user interface files, such as Qt Designer layouts
    - 2) config.ui the main configuration dialog layout
  - **config/**
    - 1) KConfigXt files describing the configuration
    - 2) main.xml the main configuration description

# Window Switcher



- Based on Plasma Structure
- Reuse of code
- You can create your own Window Switcher Package



# Kwin Scripts



- Based on Plasma Structure
- Window Rules (keep above, isMaximized etc)

They can be tested with the following ways:

**1)Kwin Interactive Console**

1)qdbus org.kde.plasma-desktop /MainApplication showInteractiveKWinConsole

2)Kickoff (Alt+F2) -> "wm console"

**2)Plasmate**

# Kwin Scripts Example



```
var keepAboveMaximized = new Array();

function manageKeepAbove(client, h, v) {
  if (h && v) {
    // maximized
    if (client.keepAbove) {
      keepAboveMaximized[keepAboveMaximized.length] = client;
      client.keepAbove = false;
    }
  } else {
    // no longer maximized
    var found = keepAboveMaximized.indexOf(client);
    if (found != -1) {
      client.keepAbove = true;
      keepAboveMaximized.splice(found, 1);
    }
  }
}

workspace.clientMaximizeSet.connect(manageKeepAbove);
```

# Plasma Scripting Example



```
var panel = new Panel
panel.addWidget("launcher") //This will add the kickoff
panel.addWidget("org.kde.showActivityManager") //This will add the Activities
panel.addWidget("tasks") // This will add the Task Manager
panel.addWidget("digital-clock") //This will add the digital clock
systray = panel.addWidget("systemtray")
systray.writeConfig("plugin","notifier") // This will add the Device Notifier to //systemtray
```



# Kwin Effects



Desktop Effects [modified] - System Settings



Overview Help ▾

Configure desktop effects



General All Effects Advanced

Advanced Effects

Search Plugins

## Snap Helper

Help you locate the center of the screen when moving a window.

About



## Sheet

Make modal dialogs smoothly fly in and out when they are shown or hidden

About



## Glide

Windows Glide Effect as they are open and closed

About



## Mouse Mark

Allows you to draw lines on the desktop

About



## Sliding popups

Sliding animation for Plasma popups

About



Help Defaults Reset

Apply

# KWin Contact



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