

Linux Desktop

Some usage tips and fixes for Linux Desktop Environment(s)

JWM stuff

dumped...

[jwm_key_mask.txt](#)

```
jwm mask modifier  
- mod key map can be checked using xmodmap -pm
```

My last used config - requires xdgmenu maker (getslackbuild)

[dot-jwmrc](#)

```
<?xml version="1.0"?>  
<JWM>  
  <RootMenu onroot="3">  
    <Program icon="terminal.png" label="Terminal">st -g  
110x35</Program>  
    <Program icon="file-manager.png" label="File  
Manager">rox</Program>  
    <Program icon="text-editor.png"  
label="Editor">geany_space</Program>  
    <Program icon="browser.png" label="Browser">firefox</Program>  
    <Separator/>  
    <Program icon="drive-harddisk.png" label="Mount  
Tool">mylpmount-gtk</Program>  
    <Separator/>  
    <Include>exec: xdgmenu maker -n -i -f jwm</Include>  
    <Separator/>  
    <Program icon="reload3.png" label="Reload Menu">jwm -  
reload</Program>  
    <Restart icon="reload.png" label="Restart JWM"/>  
    <Exit icon="exit.png" label="Exit JWM"/>  
    <Separator/>  
    <Program icon="redo.png" label="Reboot">loginctl  
reboot</Program>  
    <Program icon="system-shutdown.png" label="Shutdown">loginctl  
poweroff</Program>  
  </RootMenu>  
  <Group>  
    <Name>st</Name>  
    <Option>cascaded</Option>
```

```
</Group>
<Tray x="0" y="0" autohide="off">
  <TrayButton label="MY1">root:3</TrayButton>
  <Spacer width="2"/>
  <TrayButton label="Desktop">showdesktop</TrayButton>
  <Spacer width="2"/>
  <Pager labeled="true"/>
  <TaskList maxwidth="256"/>
  <Dock/>
  <Clock format="%Y%m%d %H:%M"></Clock>
</Tray>
<WindowState>
  <Font>Sans - 10:bold</Font>
  <Width>4</Width>
  <Height>21</Height>
  <Corner>3</Corner>
  <Foreground>#FFFFFF</Foreground>
  <Background>#555555</Background>
  <Outline>#000000</Outline>
  <Opacity>0.5</Opacity>
  <Active>
    <Foreground>#FFFFFF</Foreground>
    <Background>#0077CC</Background>
    <Outline>#000000</Outline>
    <Opacity>1.0</Opacity>
  </Active>
</WindowState>
<TrayStyle group="true" list="desktop">
  <Font>Sans - 10</Font>
  <Background>#333333</Background>
  <Foreground>#FFFFFF</Foreground>
  <Outline>#000000</Outline>
  <Opacity>0.75</Opacity>
</TrayStyle>
<TaskListStyle>
  <Font>Sans - 10</Font>
  <Active>
    <Foreground>#FFFFFF</Foreground>
    <Background>#555555</Background>
  </Active>
  <Foreground>#FFFFFF</Foreground>
  <Background>#333333</Background>
</TaskListStyle>
<PagerStyle>
  <Outline>#000000</Outline>
  <Foreground>#555555</Foreground>
  <Background>#333333</Background>
  <Text>#FFFFFF</Text>
  <Active>
    <Foreground>#0077CC</Foreground>
```

```

        <Background>#004488</Background>
    </Active>
</PagerStyle>
<MenuStyle>
    <Font>Sans - 10</Font>
    <Foreground>#FFFFFF</Foreground>
    <Background>#333333</Background>
    <Outline>#000000</Outline>
    <Active>
        <Foreground>#FFFFFF</Foreground>
        <Background>#0077CC</Background>
    </Active>
    <Opacity>0.85</Opacity>
</MenuStyle>
<PopupStyle>
    <Font>Sans - 10</Font>
    <Foreground>#000000</Foreground>
    <Background>#999999</Background>
</PopupStyle>
<IconPath>/usr/share/icons/hicolor/16x16/apps</IconPath>
<IconPath>/usr/share/icons/Tango/16x16/apps</IconPath>
<IconPath>/usr/share/icons/Tango/16x16/actions</IconPath>
<IconPath>/usr/share/icons/Tango/16x16/devices</IconPath>
<IconPath>/usr/share/icons/Tango/16x16/categories</IconPath>
<IconPath>/usr/share/icons/Tango/16x16/mimetypes</IconPath>
<IconPath>/usr/share/icons/Adwaita/16x16/apps</IconPath>
<IconPath>/usr/share/icons/Adwaita/16x16/actions</IconPath>
<IconPath>/usr/share/icons/Adwaita/16x16/categories</IconPath>
<IconPath>/usr/share/pixmaps</IconPath>
<IconPath>/usr/share/jwm</IconPath>
<Desktops width="2" height="1">
    <!--<Background type="solid">#111111</Background>-->
    <Background
type="scale">/usr/share/jwm/slackwall.png</Background>
</Desktops>
<!-- Double click speed (in milliseconds) -->
<DoubleClickSpeed>400</DoubleClickSpeed>
<!-- Double click delta (in pixels) -->
<DoubleClickDelta>2</DoubleClickDelta>
<!-- The focus model (sloppy or click) -->
<FocusModel>click</FocusModel>
<!-- The snap mode (none, screen, or border) -->
<SnapMode distance="10">border</SnapMode>
<!-- The move mode (outline or opaque) -->
<MoveMode>opaque</MoveMode>
<!-- The resize mode (outline or opaque) -->
<ResizeMode>opaque</ResizeMode>
<!-- Key bindings -->
<Key key="Up">up</Key>
<Key key="Down">down</Key>
<Key key="Right">right</Key>

```

```
<Key key="Left">left</Key>
<Key key="h">left</Key>
<Key key="j">down</Key>
<Key key="k">up</Key>
<Key key="l">right</Key>
<Key key="Return">select</Key>
<Key key="Escape">escape</Key>
<Key mask="A" key="p">exec:dmenu_run -b</Key>
<Key mask="A" key="Tab">nextstacked</Key>
<Key mask="A" key="F4">close</Key>
<Key mask="A" key="#">desktop#</Key>
<Key mask="A" key="F1">root:3</Key>
<Key mask="A" key="F2">window</Key>
<Key mask="A" key="F5">move</Key>
<Key mask="A" key="F6">resize</Key>
<Key mask="A" key="F10">maximize</Key>
<Key mask="A" key="F11">fullscreen</Key>
<Key mask="A" key="Right">rdesktop</Key>
<Key mask="A" key="Left">ldesktop</Key>
<Key mask="A" key="Up">udesktop</Key>
<Key mask="A" key="Down">ddesktop</Key>
<Key mask="CA" key="Up">maxtop</Key>
<Key mask="CA" key="Down">maxbottom</Key>
<Key mask="CA" key="Right">maxright</Key>
<Key mask="CA" key="Left">maxleft</Key>
<Key mask="C4" key="v">maxv</Key>
<Key mask="C4" key="h">maxh</Key>
<Key mask="CA" key="l">exec:xlock -mode matrix</Key>
<Key mask="CA" key="m">exec:mylpmount-gtk</Key>
<Key mask="CA" key="plus">exec:volume +</Key>
<Key mask="CA" key="minus">exec:volume -</Key>
<Key mask="AS" key="Return">exec:st -g 110x35</Key>
<StartupCommand>nm-applet</StartupCommand>
<SnapMode>none</SnapMode>
</JWM>
```

DWM stuff

dumped...

[dwm_hotkeys.txt](#)

Mod = Alt

[Shift]+[Mod]+[Enter]	- launch terminal.
[Mod]+[b]	- show/hide bar.
[Mod]+[p]	- dmenu

<code>[Mod]+[Enter]</code>	- swap master with top stack
<code>[Mod] + [j / k]</code>	- focus on next/previous window in current tag.
<code>[Mod] + [h / l]</code>	- increases / decreases master size.
<code>[Mod]+[2]</code>	- moves your focus to tag 2.
<code>[Shift]+[Mod]+[2]</code>	- move active window to the 2 tag.
<code>[Mod] + [i / d]</code>	- increases / decreases number of windows on master
<code>[Mod] + [, / .]</code>	- move focus between screens (multi monitor setup)
<code>[Shift]+[Mod]+[, / .]</code>	- move active window to different screen.
<code>[Mod]+[0]</code>	- view all windows on screen.
<code>[Shift]+[Mod]+[0]</code>	- make focused window appear on all tags.
<code>[Shift]+[Mod]+[c]</code>	- kill active window.
<code>[Shift]+[Mod]+[q]</code>	- quit dwm cleanly.
<code>[Mod]+[t]</code>	- tiling mode
<code>[Mod]+[f]</code>	- floating mode
<code>[Mod]+[m]</code>	- monocle mod
<code>[Mod]+[R M B]</code>	- to resize the floating window.
<code>[Mod]+[L M B]</code>	- to move the floating window around.
<code>[Mod]+[Space]</code>	- toggles to the previous layout mode.
<code>[Mod]+[Shift]+[Space]</code>	- to make an individual window float.
<code>[Mod]+[M M B]</code>	- to make an individual window un-float.

[st_hotkeys.txt](#)

<code>[Shift]+[Mod]+[PageUp]</code>	- increase font size
<code>[Shift]+[Mod]+[PageDn]</code>	- decrease font size
<code>[Shift]+[Mod]+[Home]</code>	- reset font size

Generic Stuff

Applicable to most (if not all) DE/WM.

Geany on multiple workspaces

[geany_space](#)

```
#!/bin/bash
# from:
https://unix.stackexchange.com/questions/246827/geany-open-a-new-instan
```

ce-per-workspace-when-opening-a-file-in-that-workspace

```
socket=$(xprop -root _NET_CURRENT_DESKTOP)
socket=${socket##* }

if [ "$socket" ] ; then
    if [ "$DISPLAY" ] ; then
        socket="${DISPLAY%.*}-$socket"
        socket=${socket#*:}
    else
        socket="NODISPLAY-$socket"
    fi
    exec geany --socket-file "/tmp/geany_socket_$socket" "$@"
else
    exec geany "$@"
fi
```

[geany_space.desktop](#)

```
[Desktop Entry]
Type=Application
Version=1.0
Name=Geany (Workspace)
Comment=Geany wrapper to detect workspace
Exec=geany_space %F
Icon=geany
Terminal=false
Categories=Development;IDE;
MimeType=text/plain;text/x-chdr;text/x-csrc;text/x-c++hdr;text/x-c++src;text/x-java;text/x-dsrc;text/x-pascal;text/x-perl;text/x-python;application/x-php;application/x-httpd-php3;application/x-httpd-php4;application/x-httpd-php5;application/xml;text/html;text/css;text/x-sql;text/x-diff;
StartupNotify=true
Keywords=Text;Editor;
```

Useful Desktop Files

The *.desktop files provide menu entry for applications.

[arduino-ide.desktop](#)

```
[Desktop Entry]
Type=Application
Version=1.0
Name=Arduino IDE (App-Image)
Comment=Arduino IDE
```

```
Exec=/home/share/appx/app-image/arduino-ide %F
#Icon=
Terminal=false
Categories=Development;IDE;
#MimeType=text/plain;text/x-chdr;text/x-csrc;text/x-c++hdr;text/x-
c++src;text/x-java;text/x-dsrc;text/x-pascal;text/x-perl;text/x-
python;application/x-php;application/x-httpd-php3;application/x-httpd-
php4;application/x-httpd-
php5;application/xml;text/html;text/css;text/x-sql;text/x-diff;
StartupNotify=true
#Keywords=Text;Editor;
```

[android-studio.desktop](#)

```
[Desktop Entry]
Version=1.0
Type=Application
Name=Android Studio
Comment=
Exec=env JAVA_HOME=/home/share/appx/android-studio/jbr
/home/share/appx/android-studio/bin/studio.sh
Icon=/home/share/appx/android-studio/bin/studio.png
Path=/home/share/appx/android-studio/bin
Categories=Development;IDE;
Terminal=false
StartupWMClass=jetbrains-studio
StartupNotify=true
```

[xfig.desktop](#)

```
[Desktop Entry]
Encoding=UTF-8
Version=1.0
Type=Application
NoDisplay=true
Exec=/usr/bin/xfig -nowrite_bak %f
Name=xfig -nowrite_bak
Comment=Custom definition for xfig -nowrite_bak
```

Using xdg-mime

Dumped

```
- get mime type of <filename>
$ xdg-mime query filetype <filename>
```

```
- get currently set default app for a <mime/type>
$ xdg-mime query default <mime/type>

- set a new default app for a <mime/type>
$ xdg-mime default app.desktop <mime/type>
```

User Applications

Some specific use-cases (for my personal reference)

- Video subtitle (*.srt) editor - gaupol (apt,slackbuilds)

XFCE: Slackware64-15.0

Icons for extra/unused partitions on my hard disk are shown on XFCE desktop. I DO NOT want this!

- Create a udev rule in `udev/rules.d` path

[10-hdpart.rules](#)

```
KERNEL=="sda3", ENV{UDISKS_IGNORE}="1"
KERNEL=="sda4", ENV{UDISKS_IGNORE}="1"
```

- add more lines as required
- Reload udev rules

```
udevadm control --reload-rules && udevadm trigger
```

XFCE: Clock Panel

Custom Digital Clock settings on XFCE

```
<span size='x-small'>%Y%m%d%n</span><b>%H:%M:%S</b>
```

```
<span size='x-small'><i>%Y-%m-%d</i>n</span><span
size='small'><b>%T</b></span>
```

```
<span size='small'><b>%Y%m%d</b></span> %H:%M:%S
```

XFCE: Terminal Shortcut for Thunar

Note20230501 No longer needed? Simply go Edit>Configure custom actions... and set it

there.

There is already a User Custom Action (UCA) defined to 'Open Terminal Here' - so we just need to add a shortcut.

- Find that UCA id from `~/.config/Thunar/uca.xml`
- Locate that id in `~/.config/Thunar/acceels.scm`
 - uncomment and add shortcut key, e.g. F4

XFCE: Quake-Style Terminal

XFCE4 terminal can actually run in a drop-down mode (Quake-style):

```
xfce4-terminal --drop-down --hide-menubar
```

Use keyboard settings (Settings→Keyboard): Create new entry in 'Application Shortcuts' tab with the previous command, with <F12> as trigger key.

XFCE: Remove Suspend/Hibernate Button

```
xfconf-query -c xfce4-session -np '/shutdown/ShowSuspend' -t 'bool' -s 'false'
xfconf-query -c xfce4-session -np '/shutdown/ShowHibernate' -t 'bool' -s 'false'
xfconf-query -c xfce4-session -np '/shutdown/ShowHybridSleep' -t 'bool' -s 'false'
```

Sometimes this is also annoying?

```
xfconf-query -c xfce4-session -np '/shutdown/ShowSwitchUser' -t 'bool' -s 'false'
```

XFCE: Multi-User

Copying XFCE settings for other users:

[clone-xfceconf](#)

```
#!/bin/bash

DSTUSER=$1
[ -z "$DSTUSER" ] && echo "*** Missing target username!" && exit 1

SRCUSER=$(pwd)
SRCTEST=$(dirname $SRCUSER)
```

```
while [ 1 ] ; do
[ "$SRCTEST" == "/" ] &&
    echo "** Cannot find /home in current path!" && exit 1
[ "$SRCTEST" == "/home" ] && break;
SRCUSER=$(basename $SRCTEST)
SRCTEST=$(dirname $SRCTEST)
done
echo "-- Using user '$SRCUSER' as source!"

DSTHOME="/home/$DSTUSER"
SRCHOME="/home/$SRCUSER"

[ "$DSTUSER" == "$SRCUSER" ] &&
    echo "** Target ($DSTUSER) same as source ($SRCUSER)?" && exit 1

[ ! -d "$DSTHOME" ] &&
    echo "** Cannot find target user path '$DSTHOME'!" && exit 1

[ ! -d "$SRCHOME" ] &&
    echo "** Cannot find source user path '$SRCHOME'!" && exit 1

DST_GRP=$(groups $DSTUSER | sed 's/.* : \([^[:space:]]*\).*$/\1/')
echo "-- Target:{$DSTUSER:$DST_GRP}"
[ $UID -ne 0 ] && echo -e "\n** Must run as root!\n" && exit 1

CHKCONF="Thunar geany xfce4"
for conf in $CHKCONF ; do
    SRCCONF="$SRCHOME/.config/$conf"
    [ ! -d "$SRCCONF" ] && continue
    DSTCONF="$DSTHOME/.config/$conf"
    if [ -d "$DSTCONF" ] ; then
        echo -n "-- Deleting $DSTCONF... "
        rm -rf $DSTCONF
        [ $? -ne 0 ] && echo -n "**error0** "
        echo "done."
    fi
    echo -n "-- Copying $SRCCONF as $DSTCONF... "
    cp -a $SRCCONF $(dirname $DSTCONF)
    [ $? -ne 0 ] && echo -n "**error1** "
    chown -R $DSTUSER:$DST_GRP $DSTCONF
    [ $? -ne 0 ] && echo -n "**error2** "
    echo "done."
done
```

Cinnamon: Terminal Shortcut for Nemo

Shortcut for nemo file manager

- \$HOME/.gnome2/accels/nemo

```
(gtk_accel_path "<Actions>/DirViewActions/OpenInTerminal" "F4")
```

Cinnamon: Shortcuts

Note: Super key is the Windows key

[shortcuts.txt](#)

```
Ctrl+Alt+Down: Show the window selection screen
Ctrl+Alt+Up: Show the workspace selection screen
Ctrl+Alt+End: Shut down dialog
Super+D: Show the desktop
Alt+F2: Run dialog
Alt+F8: Resize window
Alt+F7: Move window
Super+Left: Push tile left
Super+Right: Push tile right
Super+Up: Push tile up
Super+Down: Push tile down
Ctrl+Super+Left: Push snap left +
Ctrl+Super+Right: Push snap right
Ctrl+Super+Down: Push snap down
Shift+Ctrl+Alt+Left: Move window to left workspace
Shift+Ctrl+Alt+Right: Move window to right workspace
Super+Shift+Left: Move window to left monitor
Super+Shift+Right: Move window to right monitor
Super+Shift+Up: Move window to up monitor
Super+Shift+Down: Move window to down monitor
Alt+F5: Un-maximize window
Alt+F4: Minimize window
Alt+Space: Activate window menu
Alt+F10: Toggle maximization state
```

[shortcuts_check.txt](#)

```
Super+P: Re-detect display devices
```

Cinnamon: Disable Recent Files

Option is in Menu > Preferences > Privacy

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21:15

linux:linux_desktop http://azman.unimap.edu.my/dokuwiki/doku.php?id=linux:linux_desktop&rev=1700831713

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