THE MOUSE IS LAVA Change your habits, boost your productivity

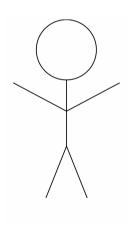
Rayan Mac

with special thanks to Kamel Hacene for his valuable advice

2019-10-09



This is Bob



Why reduce use of the mouse?

- Gain in efficiency
- Best window management
- Mouse is not working / too far

Why reduce use of the mouse?

- Gain in efficiency
- Best window management
- Mouse is not working / too far

Goal: Complete everyday tasks only using keyboard

- Open and close apps quickly
- Switch between windows easily
- Share resources between windows
- Navigate the web

PART 1 : Adapt your environment

Outline

- 1 Shortcuts everywhere
 - Default and alternatives
- 2 Terminal multiplexers
 - Architecture
 - Features
 - Practical use
- 3 Go Tiling
 - WMs and TWMs
 - Installation and configuration
 - Practical use
- 4 Useful tools
 - Clipboard managers



Starting point



Shortcuts management

Default shortcuts

xbindkeys : /.xbindkeysrc

sxhkd : /.sxhkdrc

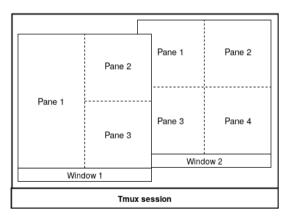
```
# terminal emulator
super + Return
urxvt
# focus the node for the given path jump
super + \{p,b,comma,period\}
bspc node -f \@\{parent,brother,first,second\}
```

Outline

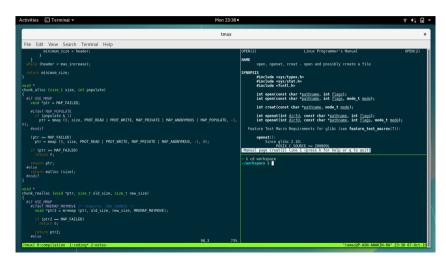
- 1 Shortcuts everywhere
 - Default and alternatives
- 2 Terminal multiplexers
 - Architecture
 - Features
 - Practical use
- 3 Go Tiling
 - WMs and TWMs
 - Installation and configuration
 - Practical use
- 4 Useful tools
 - Clipboard managers

Definition

A terminal multiplexer allows multiple sessions and applications to be displayed and managed on a single screen.



Architecture



Popular Terminal multiplexers

Historically, GNU Screen 1987

Nowadays:

- Terminator
- Screen
- Tmux
- Byobu

Practical use



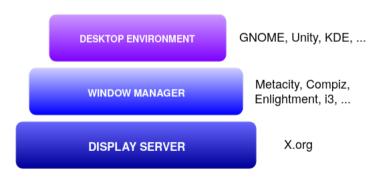
Outline

- 1 Shortcuts everywhere
 - Default and alternatives
- 2 Terminal multiplexers
 - Architecture
 - Features
 - Practical use
- 3 Go Tiling!
 - WMs and TWMs
 - Installation and configuration
 - Practical use
- 4 Useful tools
 - Clipboard managers



About windows manager

Window manager: A system software controlling the placement and appareance of windows inside a graphical user interface.



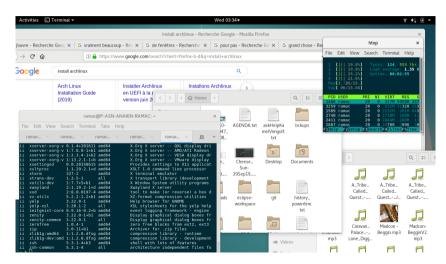
Tiling window managers

Organize windows automatically so that they don't overlap, while maximizing the space use.

Benefits:

- Keep at sight the whole working environment
- Lighter and faster than usual WMs
- Built-in shortcuts optimized for keyboards

Struggling with windows arrangement: DAY 1



Struggling with windows arrangement: DAY 2



Popular TWMs

- i3 / sway : user friendly, huge community and great documentation
- Awesome (lua) : great mouse integration, highly configurable
- dwm (C), xmonad (haskell) : small, fast, simple
- bspwm : very light, high degree of customisation

..

Installation

Usually available in official repositories

```
13: first configuration
                You have not configured i3 yet.
Do you want se to semerate "/.i3/config?
                   (Enter> Yes, generate "/,i3/config
                            No. I will use the defaults
no TPv6 | 3.2 GR | DMCP: no | WPX: no | Wt. down | F: 10.0.2.15 (1000 Mott/s) | CMR 77.00X | T: | 0.12 | 2012-08-23 10:39:0
```

Configuration (i3 example)

A single configuration file : /.config/i3/config

```
# enter fullscreen mode for the focused container
bindsym $mod+f fullscreen toggle

# colour of border, background, text, indicator, and child_border
client.focused #bf616a #2f343f #d8dee8 #bf616a #d8dee8

# add network-manager status bar shortcut
exec --no-startup-id nm-applet
```

Make it look eye-candy: i3-starterpack

git clone https://github.com/ramacassis/confighamac.git



Practical use

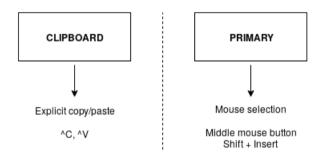


Outline

- 1 Shortcuts everywhere
 - Default and alternatives
- 2 Terminal multiplexers
 - Architecture
 - Features
 - Practical use
- 3 Go Tiling
 - WMs and TWMs
 - Installation and configuration
 - Practical use
- 4 Useful tools
 - Clipboard managers



Linux clipboard



- Access clipboard in command line: xclip
- Other clipboard manager: clipit, copyq, [...]

PART 2: Expand to other apps!

Web navigation

General idea: use (vim) shortcuts as an interface to browser

Historically:

- Vimperator
- Pentadactyl

Nowadays:

- Tridactyl
- Vim-vixen
- cVim

...

All tools put together



Conclusion

- Open and close apps quickly: shortcuts, TWM
- Switch between windows easily: terminal multiplexers, TWM
- Share resources between windows: clipboard, command history
- Navigate the web : browser plugins, CLI apps

What's next?

Going further...

■ Web: elinks, lynx

■ Mail: mutt, neomutt, alpine

■ Calendar: calcurse, remind

■ Music: mpsyt, cmus

https://wiki.archlinux.org/index.php/list_of_applications https://doc.ubuntu-fr.org/liste_des_applications_console

Find the compromise that suits your needs!



Thanks for your attention Let's share!