Arch-Z Guide © Salim Zaidi

Important Note: Make sure to read the entire guide as there is essential NOTE at the end that you don't want to miss!

Philosophy and Goals The philosophy behind Arch-Z is rooted in simplicity, minimalism, and the "do one thing and do it well" principle. The primary goals of this system include:

• <u>User-Friendly Experience</u>: Arch with i3wm focuses on providing an intuitive and efficient workflow, where users can easily navigate and

Welcome to the comprehensive guide of Arch-Z! This guide aims to provide you with a detailed understanding of this system, its philosophy, goals, and how to make the most out of it. Arch with i3wm combines the power of the Arch operating system with the minimalistic and highly customizable i3 window manager. This combination offers a user-friendly, efficient, and productive environment for your computing needs.

manage their applications. Speed and Efficiency: By utilizing the lightweight i3 window manager, the system optimizes resource usage, resulting in faster performance and increased productivity. <u>Customizability:</u> This system empowers users to tailor their computing environment according to their preferences and workflows. You can customize everything, from keybindings to the appearance of your desktop.

Introduction:

i3wm Basics:

i3wm is a tiling window manager that heavily relies on keyboard shortcuts for performing various actions. The **Super (Windows)** key is the modifier key in Arch-Z. By pressing the modifier key in combination with other keys, you can execute specific commands and navigate through the system.

The colors.conf file defines the color scheme of window borders, backgrounds, text, and other UI elements used in i3wm. Configure the

The workspaces.conf file allows you to define and organize your workspaces in i3wm. Assign meaningful names or labels to each workspace to reflect their purpose or content. Define the layout for each workspace, such as tabbed, stacked, or split containers. Specify

The autostart.sh script is executed when i3wm starts and is used to launch various applications automatically. Add commands to start

The sxhkdrc file defines all the keybindings that Arch-Z uses. Customize and define additional keybindings for various actions and commands

2. Update the intel_backlight part in the decrease_brightness() and increase_brightness() functions with your specific backlight

This script displays the startup notification for the Guide (it just tells you to press Super + Shift + h to see this Guide). You can delete it

A script to toggle between different keyboard layouts AR and FR (this script is optional). You can delete it and remove the "109,110,111"

A script that sets up a specific display configuration (two monitors) and potentially applies wallpapers using the sourced script (last-two-

A script that sets up a specific display configuration (single monitor) and potentially applies wallpapers using the sourced script (last-

This script temporarily blocks YouTube by redirecting its domain to localhost. After a specified duration, YouTube is unblocked, and a

This script allows the user to choose a C project directory, compile the main.c file, and run the resulting executable. It assumes the C

This script creates a new directory, main.c file, and opens it in Vim for editing within a specific directory for C projects. It allows users to

This script changes to a specific directory for C projects, displays a list of directories, prompts the user to select a project, navigates to the

- Dunst is a lightweight notification daemon that displays pop-up notifications on your desktop. You can configure its behavior and appearance

- Polybar is a fast and easy-to-use status bar that integrates well with i3wm. Its configuration file is located at ~/.config/polybar/config. Modify

- Rofi is a versatile application launcher and window switcher. Its configuration file is located at ~/.config/rofi/config.rasi. Customize its

- kitty is the default terminal emulator used in Arch-Z. You can configure kitty's behavior through its configuration file located at

- Ranger is a console-based file manager used in Arch-Z. Its configuration files are located at ~/.config/ranger/. Customize keybindings,

- alacritty is used in some cases in Arch-Z. You can configure alacritty's's behavior through its configuration file located at

~/.config/alacritty/alacritty.yml. Customize the terminal's appearance, keybindings, and other settings to your liking.

~/.config/kitty/kitty.conf. Customize the terminal's appearance, keybindings, and other settings to your liking.

notification is sent. (you can change youtube to any website you want to block for increasing your productivity)

projects are stored in /home/\$USER/Documents/c_projects and that each project directory contains a main.c file.

enter the name of the file and provides a basic C code template in the main.c file.

chosen project directory, and opens the main.c file in Vim for editing.

the configuration to customize the appearance and modules displayed in the status bar.

1. Use the brightnessctl -l command to identify the backlight control directory specific to your system.

Video: Introduction to i3wm **Configuration Guide**

All the dotfiles are located in ~/.config/ 1. i3: The i3 window manager utilizes several configuration files located at ~/.config/i3/ to customize its behavior. These files work together to define

color palette to match your preferences or integrate with your preferred theme.

the applications that should open on specific workspaces for seamless multitasking.

desired applications on startup, such as a compositor or system tray.

The scripts directory contains various scripts used in conjunction with i3wm.

This script handles brightness control using the brightnessctl utility.

2. sxhkd/sxhkdrc (Simple X Hotkey Daemon):

i3/autostart.sh:

• brightness-control.sh:

control directory.

and remove the 10th line from ~/.config/i3/config.

A script to set the screen resolution to two monitors.

A script that opens the confige files that i edit frequently.

lines from ~/.config/sxhkd/schkdrc or configure it as you need.

A script to set the screen resolution or switch between different display configurations.

This script bookmarks pages of a PDF docs based on the user's input, and storing the bookmarks in a file.

A script that plays a youtube video from a URL stored in the clipboard using the mpv Media Player

Configuration:

• help_notification.sh:

• keyboard_layout.sh:

resolution.sh:

· bookmarks.sh:

conf.sh:

bookmarks_pdf.sh:

mpv-youtube.sh:

set-double-display.sh:

wallpapers.sh).

• web blocker.sh:

• c/compile.sh:

c/new_project.sh:

• c/old_project.sh:

4. dunst (Notification Daemon):

5. rofi (Application Launcher):

6. polybar (Status Bar):

7. kitty (Terminal Emulator):

8. alacritty (Terminal Emulator):

9. ranger (File Manager):

Keybindings:

appearance, and behavior in these files.

Window Manager Keybindings:

• super + shift + h: Opens the this Guide • super + Escape: Reloads sxhkd config

super + q: Closes the current window

 super + p: Opens rofi application • alt + w: Opens rofi (show mode)

super + c: Launches VSCode

super + s: Launches FileZilla

Audio Keybindings:

Brightness Keybindings:

Workspace Keybindings:

Additional Keybindings:

video)

Gaps Keybindings:

System Keybindings:

Workspace 1

Workspace 2

Workspace 3

Workspace 4

Workspace 5

Window Movement Keybindings:

Application Keybindings:

 super + shift + r: Restarts the i3 window manager super + shift + q: Exits i3 window manager

• super + Return (Enter): Launches kitty terminal

super + n: Opens pcmanfm file manager super + r: Opens ranger file manager

super + w: Launches Brave Browser

super + t: Launches Telegram Desktop

• XF86AudioMute: Toggles audio mute

i3 Window Manager Keybindings:

 super + v: Splits the current container vertically • super + h: Splits the current container horizontally

• super + alt + a: Focuses on the parent container alt + shift + s: Change container layout to stacked alt + shift + t: Change container layout to tabbed • alt + shift + e: Change container layout to toggle split

• super + [1->9,0]: Switches to the specified workspace

alt + c: Opens the config files that I edit frequently

F2: Changing the wallpaper for two monitors

super + shift + x: Decreases outer gaps by 5

• super + shift + z: Decreases inner gaps by 5

• super + shift + b: Reboots the system (sudo reboot)

• super + x: Increases outer gaps by 5

super + z: Increases inner gaps by 5

Workspace Assignments:

IMPORTANT NOTE:

5. Save the file and exit the editor.

simplicity, speed, and efficiency provided by Arch-Z!

Changing the wallpaper

1. Open a terminal.

Conclusion

super + shift + n: Adjusts inner and outer gaps simultaneously

• super + ctrl + [Left, Down, Up, Right]: Resizes the current window

• super + shift + s: Shuts down the system (sudo shutdown now)

remains even after restarting your computer, follow these instructions:

super + shift + c: Reloads the i3 window manager configuration

super + shift + Return (Enter): Launches alacritty terminal in scratchpad mode

Print (Impr écran Syst): Opens flameshot screenshot tool (GUI mode)

XF86AudioLowerVolume: Decreases audio volume by 5% XF86AudioRaiseVolume: Increases audio volume by 5%

 XF86MonBrightnessDown: Decreases audio volume by 10% XF86MonBrightnessUp: Increases audio volume by 10%

super + f: Toggles fullscreen mode for the current container • super + shift + f: Toggles floating mode for the current container

super + control + space: Toggles focus between tiling and floating mode

• super + shift + [1->9,0]: Moves the current container to the specified workspace

• super + [Left, Down, Up, Right]: Focuses on the window in the specified direction super + shift + [Left, Down, Up, Right]: Moves the window in the specified direction

• alt + x: Opens ranger in ~/Downloads/Watch (Where I keep all the courses and videos I need to learn from), (not created by default)

alt + shift + y: Runs the ~/.config/scripts/web_blocker.sh script that temporarily blocks a specific website (Youtube by default)

alt + y: Runs the ~/.config/scripts/mpv-youtube.sh script that plays youtube videos using mpv (you must copy first the URL of a youtube

• super + [h, j, k, l]: Focuses on the window in the specified direction super + shift + [h, j, k, l]: Moves the window in the specified direction

super + tab: Focuses on the last two workspaces back and forth

alt + b: Opens my bookmarks (add yours inside ~/config/bookmarks.txt)

alt + s: Opens my Work/Studies Schedule (Create your own schedule in ~/Pictures/schedule.png)

F1: Changing the wallpaper for the main monitor (Add your wallpapers in ~/.config/wallpapers/)

Brave Browser

Telegram Desktop

FileZilla

2. Type the following command to open the i3 configuration file: nano ~/.config/i3/config

persists across system restarts. The ~/.fehbg file contains the command to restore the wallpaper on startup.

4. Uncomment the line that starts with #exec_always --no-startup-id ~/.fehbg

Pcmanfm (File Manager)

Codium (VSCodium Editor)

Add all your wallpapers in ~/.config/wallpapers/, and to use the keybindings for changing the wallpaper and ensure that the chosen wallpaper

3. Locate the line that starts with exec_always feh --bg-fill ~/.config/wallpapers/moon.jpg and add the # symbol to comment the

By uncommenting these lines in the i3 configuration file, you enable the execution of the feb command to set the wallpaper and ensure that it

Thank you for choosing Arch-Z! This guide will provide you with all the information you need to get started and make the most out of your Arch-Z experience. Use this guide to enhance your productivity and customize your computing environment to suit your needs. Enjoy the

alt + shift + n: Runs the ~/.config/scripts/c/new project.sh script to create a new C project alt + shift + o: Runs the ~/.config/scripts/c/old_project.sh to enter the existing C projects

through the ~/.config/dunst/dunstrc configuration file.

appearance, behavior, and keybindings to suit your needs.

• set-single-display.sh:

single-wallpapers.sh).

resolution-double.sh:

A script to opens my bookmarks.

keybindings, window behavior, and workspace layout, allowing you to tailor i3wm to your specific workflow. Let's explore each of these files:

i3/config: The main configuration file for i3wm. It includes all the necessary files for window placement rules, switching between workspaces,

workspace assignments, resize windows, and other settings.

• i3/colors.conf:

• i3/workspaces.conf:

in this file.

3. scripts: