

LazyKris

Kris's Auto-Rice Bootstrapping Script

An Arch Linux installer that deploys a complete,
keyboard-driven environment in minutes.

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1 Introduction

LazyKris is an auto-rice bootstrapping script for Arch Linux. It installs and configures a complete keyboard-driven environment centered around the suckless philosophy: simple, efficient software that does one thing well.

The system includes:

- **dwm** — Tiling window manager with 22 patches
- **st** — Terminal emulator with scrollback and ligatures
- **dmenu** — Application launcher with fuzzy matching
- **dwmblocks** — Modular status bar
- **surf** — Minimal webkit browser for focused work
- **fish** — Shell with syntax highlighting
- **lf** — Terminal file manager with previews
- **neovim** — Modern text editor

1.1 Installation

On a fresh Arch Linux system:

```
curl -LO https://raw.githubusercontent.com/krisyotam/lazykris/main/lazykris.sh
sh lazykris.sh
```

The script will prompt for a username, install all packages, compile suckless builds, deploy dotfiles, and set fish as the default shell.

2 Window Management (dwm)

dwm is a dynamic window manager. Windows are organized into tags (workspaces) and can be arranged in tiled, monocle, or floating layouts.

2.1 Essential

Keybinding	Action
Mod+Return	Spawn terminal (st) / promote to master
Mod+Shift+Return	Spawn additional terminal
Mod+d	App launcher (dlaunch)
Mod+q	Kill focused window
Mod+j/k	Focus next/previous window
Mod+h/l	Decrease/increase master area size
Mod+Tab	Switch to last viewed tag
Mod+1-9	View tag 1-9
Mod+Shift+1-9	Move window to tag 1-9
Mod+0	View all tags
Mod+Shift+0	Tag window to all tags

2.2 Window Management

Keybinding	Action
Mod+Shift+j/k	Move window down/up in stack

Keybinding	Action
Mod+Shift+Space	Toggle floating
Mod+Shift+s	Toggle sticky
Mod+i	Increase number of masters
Mod+Shift+h/l	Increase/decrease window size (cfact)
Mod+Shift+o	Reset cfact

2.3 Layouts

Keybinding	Action
Mod+t	Tile layout
Mod+f	Floating layout
Mod+Shift+r	Reading mode (equal-width vertical columns)
Mod+Space	Toggle last layout
Mod+Ctrl+,	Cycle layouts prev
Mod+Ctrl+.	Cycle layouts next

Available layouts via cycle: tile, floating, monocle, bstack, centeredmaster, centeredfloating-master, columns, deck, spiral, dwindle, nrowgrid.

2.4 Tag Navigation

Keybinding	Action
Mod+Shift+Left/Right	Move window to prev/next tag
Mod+Shift+Tab	Shift view to previous tag
Mod+Shift+\	Shift view to next tag

2.5 Multi-Monitor

Keybinding	Action
Mod+,/.	Focus prev/next monitor
Mod+Shift+,/.	Move window to prev/next monitor

2.6 Applications

Keybinding	Action
Mod+b	Browser selector (dbrowse)
Mod+w	Content writer (dwrite)
Mod+r	Library browser (dread)
Mod+n	Notes browser (dnotes)
Mod+e	Metadata editor (dedit)
Mod+c	Content creator (dcreate)
Mod+p	Password manager (passmenu)
Mod+y	World clock (dtime)

Keybinding	Action
Mod+m	Mode selector (dmode)
Mod+a	Questions (questions)
Mod+Shift+c	Clipboard manager (dclip)
Mod+Shift+n	RSS reader (newsboat)
Mod+Shift+m	Toggle mute

2.7 Screenshots

Keybinding	Action
PrintScreen	Full screenshot (screenshot)
Shift+PrintScreen	Selection screenshot (screenshot select)
Mod+PrintScreen	Screen recording (record)
Mod+Shift+PrintScreen	Stop recording

2.8 Media Keys

Keybinding	Action
XF86 AudioRaise/Lower	Volume up/down
XF86 AudioMute	Toggle mute
XF86 BrightnessUp/Down	Screen brightness

2.9 System

Keybinding	Action
Mod+BackSpace	System actions menu (sysact)
Mod+Shift+q	System actions menu (sysact)
Mod+Ctrl+Shift+q	Restart dwm
Mod+Shift+F5	Reload Xresources

2.10 Scratchpad

Keybinding	Action
Mod+`	Toggle scratchpad terminal
Mod+Ctrl+`	Set window as scratchpad
Mod+Shift+`	Remove scratchpad

2.11 Mouse Controls

Action	Result
Mod+Left Click	Move floating window
Mod+Right Click	Resize floating window
Mod+Middle Click	Toggle floating

Action	Result
Click on tag	Switch to that tag
Click on layout icon	Toggle last layout
Right click layout icon	Set monocle layout

3 Terminal (st)

st is a simple terminal. This build includes scrollback, font ligatures, transparency, and URL handling.

3.1 Clipboard

Keybinding	Action
Ctrl+Shift+c	Copy selection
Ctrl+Shift+v	Paste
Right Click	Paste from clipboard

3.2 Scrollback

Keybinding	Action
Alt+k	Scroll up
Alt+j	Scroll down

3.3 Font and Zoom

Keybinding	Action
Alt+,	Zoom in
Alt+.	Zoom out
Alt+g	Reset to default size

3.4 Transparency

Keybinding	Action
Alt+s	Increase transparency
Alt+a	Decrease transparency
Alt+m	Reset transparency

3.5 Other

Keybinding	Action
Mod+Shift+Enter	Spawn new terminal in current directory

4 Application Launcher (dmenu)

dmenu is a dynamic menu for X. It reads from stdin and presents matches in a bar at the top (or center) of the screen.

4.1 Navigation

Keybinding	Action
Arrow Keys	Navigate items
Tab	Copy selected item to input
Ctrl+n / Ctrl+p	Next/previous item
PageUp / PageDown	Move by page
Home / End	Jump to first/last item

4.2 Editing

Keybinding	Action
Ctrl+a	Move cursor to beginning
Ctrl+e	Move cursor to end
Ctrl+u	Delete to beginning
Ctrl+k	Delete to end
Ctrl+w	Delete word backwards
Ctrl+y	Paste primary selection
Ctrl+Shift+y	Paste clipboard

4.3 Confirmation

Keybinding	Action
Enter	Confirm selection (execute)
Ctrl+Enter	Confirm selection (output only, no exec)
Shift+Enter	Confirm input text (ignore selection)
Escape	Cancel

5 Web Browser (surf)

surf is a minimal webkit-based browser. It's designed for focused reading and research, without the distractions of a full browser.

5.1 Navigation

Keybinding	Action
Ctrl+g	Open URL bar (dmenu)
Ctrl+/ Ctrl+n	Search in page
Ctrl+n	Find next
Ctrl+Shift+n	Find previous
Ctrl+h	Go back

Keybinding	Action
Ctrl+l	Go forward
Ctrl+r	Reload page
Ctrl+Shift+r	Force reload (bypass cache)
Escape	Stop loading

5.2 Zooming

Keybinding	Action
Ctrl++ or Ctrl+=	Zoom in
Ctrl+-	Zoom out
Ctrl+0	Reset zoom

5.3 Scrolling

Keybinding	Action
j / k	Scroll down/up
h / l	Scroll left/right
Space / Shift+Space	Page down/up
g / G	Go to top/bottom

6 Colorscheme (pywal)

LazyKris uses pywal to generate colorschemes from wallpapers. Colors are applied to dwm, st, dmenu, dunst, and zathura.

6.1 Usage

```
setbg /path/to/wallpaper.png
```

The `setbg` script:

1. Sets the wallpaper using xwallpaper
2. Generates a colorscheme using pywal
3. Applies colors to Xresources
4. Signals dwmblocks to update

7 Git Configuration

The system supports multiple git identities that auto-switch based on directory.

7.1 Profiles

Directory	Profile	Use Case
~/dev/personal/	krisyotam	Personal projects
~/dev/security/	khr1st	Pentesting, CTF

Directory	Profile	Use Case
~/dev/work/	laelyotam	Work projects

7.2 Useful Aliases

Alias	Command	Description
git st	status -sb	Short status
git lg	log --oneline --graph --all	Pretty log
git sync	pull --rebase && push	Quick sync
git undo	reset --soft HEAD~1	Undo last commit

8 Patches Reference

8.1 dwm Patches

- **vanitygaps** — Gaps allowed across all layouts
- **swallow** — Terminals swallow windows spawned by child processes
- **scratchpad** — Dropdown terminal accessible via keybind
- **sticky** — Make windows visible on all tags
- **hide_vacant_tags** — Hide tags with no windows in the bar
- **xresources** — Read colors and config from Xresources at startup
- **stacker** — Move windows up/down in the stack
- **shiftview** — Cycle through tags
- **statuscmd** — Clickable status bar for dwmblocks
- **pertag** — Each tag remembers its own layout settings
- **cyclelayout** — Cycle through layouts with keybind
- **restartsig** — Restart dwm in place without losing windows
- **true fullscreen** — Prevents focus shifting in fullscreen mode

Multiple layouts included: tile, floating, monocle, bstack, centeredmaster, centeredfloatingmaster, columns (reading mode), deck, spiral, dwindle, nrowgrid.

8.2 st Patches

- **ligatures** — HarfBuzz ligature support
- **sixel** — Sixel graphics support (check sixel branch)
- **scrollback** — Scroll history
- **clipboard** — Clipboard integration
- **alpha** — Transparency support with configurable opacity
- **boxdraw** — Render box-drawing characters without font glyphs
- **patch_column** — Doesn't cut text while resizing
- **font2** — Secondary font support (emoji fallback)
- **right click paste** — Paste with right click
- **newterm** — Spawn new terminal in current directory
- **anygeometry** — Dynamic geometry/borders
- **xresources** — Live reload colors/settings from Xresources
- **sync** — Better draw timing to reduce flicker/tearing
- **live reload** — Change colors/fonts on the fly
- **swapmouse** — Swap mouse buttons

8.3 dmenu Patches

- **xresources** — Read colors and settings from Xresources (pywal compatible)
- **alpha** — Transparency support, can be embedded in transparent st
- **password** — Hide input for password entry (-P flag)
- **mouse support** — Click to select options

Additional features:

- **Emoji support** — Can view color characters like emoji
- **Reject non-matching** — -r flag rejects input that doesn't match an option

9 FAQ

Q: How do I change the default font?

Edit `~/.config/x11/xresources` and set `st.font` or `dmenu.font`. Then run:

```
xrdb -merge ~/.config/x11/xresources
```

Restart the application for changes to take effect.

Q: How do I add a keybinding to dwm?

Edit `~/.local/src/dwm/config.h`, add your binding to the `keys[]` array, then rebuild:

```
cd ~/.local/src/dwm
sudo make clean install
```

Restart dwm with `Mod+Ctrl+Shift+q`.

Q: How do I change the colorscheme?

Run `setbg` with a new wallpaper. Colors are extracted from the image:

```
setbg /path/to/wallpaper.png
```

Q: Why fish instead of bash or zsh?

Fish provides syntax highlighting, autosuggestions, and completions out of the box without configuration. It's faster to set up and more user-friendly.

Q: How do I update the suckless builds?

Pull changes from GitHub and rebuild:

```
cd ~/.local/src/dwm
git pull
sudo make clean install
```

Q: How do I add a new package to the system?

For official packages: `sudo pacman -S package`

For AUR packages: `yay -S package`

To make it part of your LazyKris config, add it to `progs.csv`.

Q: How do I configure email?

Use `mutt-wizard` to set up `neomutt`:

```
mw -a your@email.com
```

Follow the prompts to configure your email provider.

Q: How do I mount external drives?

Press Mod+F9 to open the mount menu. Select the drive to mount. Use Mod+F10 to unmount.

10 Credits

LazyKris is inspired by [LARBS](#) (Luke's Auto-Rice Bootstrapping Scripts) by Luke Smith.

The suckless software (dwm, st, dmenu, surf) is developed by [suckless.org](#).

11 License

This project is licensed under the GPL-3.0 License.

Source code: <https://github.com/krisyotam/lazykris>