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Setup guide

How a fresh CachyOS/Arch machine becomes one of mine. Everything is driven by just — run just from the repo root to list every recipe (full list in the justfile reference).

Fresh machine

```
git clone git@github.com:rdlu/dotfiles.git ~/.dotfiles
cd ~/.dotfiles
```

```
just full-auto      # base packages, languages, CLI tools, fish, yazi,
fastfetch
just full-auto-gui  # the above + kitty + the niri/waybar graphical stack
```

full-auto chains: packages → dev-setup → cli-tools → fish-shell → helix-editor → yazi-file-manager → fastfetch. The packages step is interactive — it pauses so you can review `/etc/xdg/reflector/reflector.conf` and add the Chaotic AUR include to `/etc/pacman.conf`.

If you are not running full-auto, run just packages first: it sets up Flatpak/Flathub, reflector mirrors, the Chaotic AUR repository, and the paru AUR helper that every other recipe uses.

The stow model

Configuration is deployed as symlinks with GNU Stow (--dotfiles mode: dot-foo in the repo becomes ~/.foo).

- **Base packages** (stowed on every machine): home git idea scripts terminal lazyvim vim systemd niri
- **Host overlays** in `hosts/<hostname>/` (stowed only on the matching machine): display layout, thermal sensors, machine-specific tools. The two hosts are daisy (AMD) and xps (Intel).

```
just stow          # symlink base + this host's overlay (auto-detected)
just stow-check    # dry-run: show what would change, touch nothing
just unstow        # remove all symlinks (host overlay first, then base)
```

--no-folding is used so base and host overlays can both populate shared directories (~/.config/mise, ~/.local/share/applications) without tree-folding conflicts.

Services

```
just services-enable
```

Enables the expected systemd **user** services (mpd, syncthing if installed, solaar) and wires the niri session helpers (waybar, wpaperd, mako, swayidle) to start with `niri.service` via `add-wants`. The swayosd backend is a **system** unit and gets `sudo systemctl enable` instead.

Tool versions: pacman + mise

Two deliberate layers:

- **pacman/paru** installs tools available in the repos (just `cli-tools`).
- **mise** pins versions for languages and tools *not* in the repos: shared config in `terminal/dot-config/mise/config.toml`, per-host additions in `hosts/<hostname>/dot-config/mise/conf.d/<hostname>.toml`.

Day to day

```
just update # paru -Syu, mise upgrade, fisher, yazi plugins, nvim Lazy sync
just doctor # health check: tools, login shell, host overlay, services,
symlinks
```

Docs

This site itself is part of the repo:

```
just docs-setup # one-time: install typst (pandoc + uv come from the repos)
just docs      # regenerate markdown from configs, build HTML site + PDFs
just docs-serve # live-preview the site while editing
```

`tools/gen-docs.py` (Python stdlib, no deps) re-reads `tmux.conf`, `binds.kdl`, and the justfile and rewrites the generated blocks in the markdown. Zensical (run via `uvx`, nothing to install) builds the HTML site into `site/`; `pandoc + Typst` render the PDFs into `docs/pdf/`, which the site links directly.