

How does bedrock-nix work, it would pretty much a hosted (on a distro) bedrock linux install instead of hijack (as a distro) but powered with nix

There are 3 ways: Standalone, NixOS module, Home Manager module

Standalone - Self explanatory, but with an option to declare with nix

NixOS module - Configure bedrock and strata within a nixos configuration. Integrates with NixOS configuration. If Home manager is setup as a NixOS module, you don't have to install bedrock-nix as a home manager module as it will take home manager as nixos module into account and allow bedrock apps for both system and user side without an extra home manager module.

Home Manager module - Apps are usersided and configured + integrated with home manager.

Flakes would be **required** as bedrock-nix will heavily rely on flakes to provide a near-bedrock hijack experience while remaining hosted (on distro).

Strata in bedrock-nix are managed declaratively (but can sometimes be managed imperatively if enabled)

Also, in declarative strata management, you could change things like pacman config & repos for the arch stratum, use flags for the gentoo stratum, etc. Could also use brl import method (like importing a podman/docker container), not just brl fetch method. Duplicate strata supported (e.g. 2 debian strata)

The apps in the strata can be managed imperatively (you install with commands, acts like hosted install with some integrations) or declaratively (packages are declared in a file and managed with pmmm. If setup as a NixOS module and declaratively, pretty much makes it really integrated (level of integration close to hijacked install and can manage apps, bedrock strata apps, and services even from bedrock strata within a nixos config).

Declarative mode utilizes PMM and can even specify a specific distro. AUR & other things would also be supported

Special things that can happen with Bedrock-nix as a NixOS module and declaratively

1. Bedrock declared apps & strata are treated like Nix apps and can manage settings and services within nixos configuration.
2. If home manager as nixos module, it is integrated (you only use 1 flake) and you don't have to setup as a home manager module to add bedrock apps

Overall, it would solve distro hopping especially between NixOS and Bedrock Linux (+ other distros)

(You could also make a Guix version and have it act similar to bedrock-nix but with some changes to make it closer towards bedrock hijack)

Final result: You would get practically unlimited packages to choose from

