

Nitro Setup: My Setup Settings v2.0 (Nix/NixOS edition)

Background

If this is the first time you see me, let me tell you to check out my GitHub. You will see some uncompleted projects I left because of problems with some dependencies, lack of time or just because I had no more interest on them.

The only project that is “well maintained” is My Setup Settings which is a script to setup my Kali Linux environment, which I really love. But the dependencies are all a problem. Sometimes an update can break all my preconfigured setup with no reason. The changes doesn’t remain on the time and to change my setup settings it’s all a topic. Moreover, I personally need the latest and greatest packages, which I cannot obtain without moving to unstable distros and always risking all my job.

This days, a “new” distro has appeared on the stage: NixOS. NixOS is a complete different Linux distro. Built on the top of the Nix package manager, this system isolates dependencies and uses a declarative and functional approach to make possible one thing: To make your config to work *everywhere*.

In order to learn this new distribution, I decided to move my hole setup to NixOS and I’ve found it a **really** difficult job. First, you have to be familiar with the Nix programming language, a strange mix between JSON, Bash Script and Haskell. The second thing that I have found quite difficult is the usage of flakes, modules and the hole system configuration.

Now that I believe that I’ve a better knowlage about what’s going on, it’s time to make things easier for other people too.

Contents (comming soon)

The Nix programming language

The Nix module system

System installation with disko.nix

Using Flakes to split the config

Home-Manager installation

Structuring your config project

Conclution

Apendix A: Development setup

Apendix B: Gaming setup

Apendix C: Servers setup