

# 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 belive 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