

# MY CLOUD

(I rule my data and I rule how I communicate)

ÓSCAR NÁJERA

FROSCON 2020

AUGUST 23TH, 2020

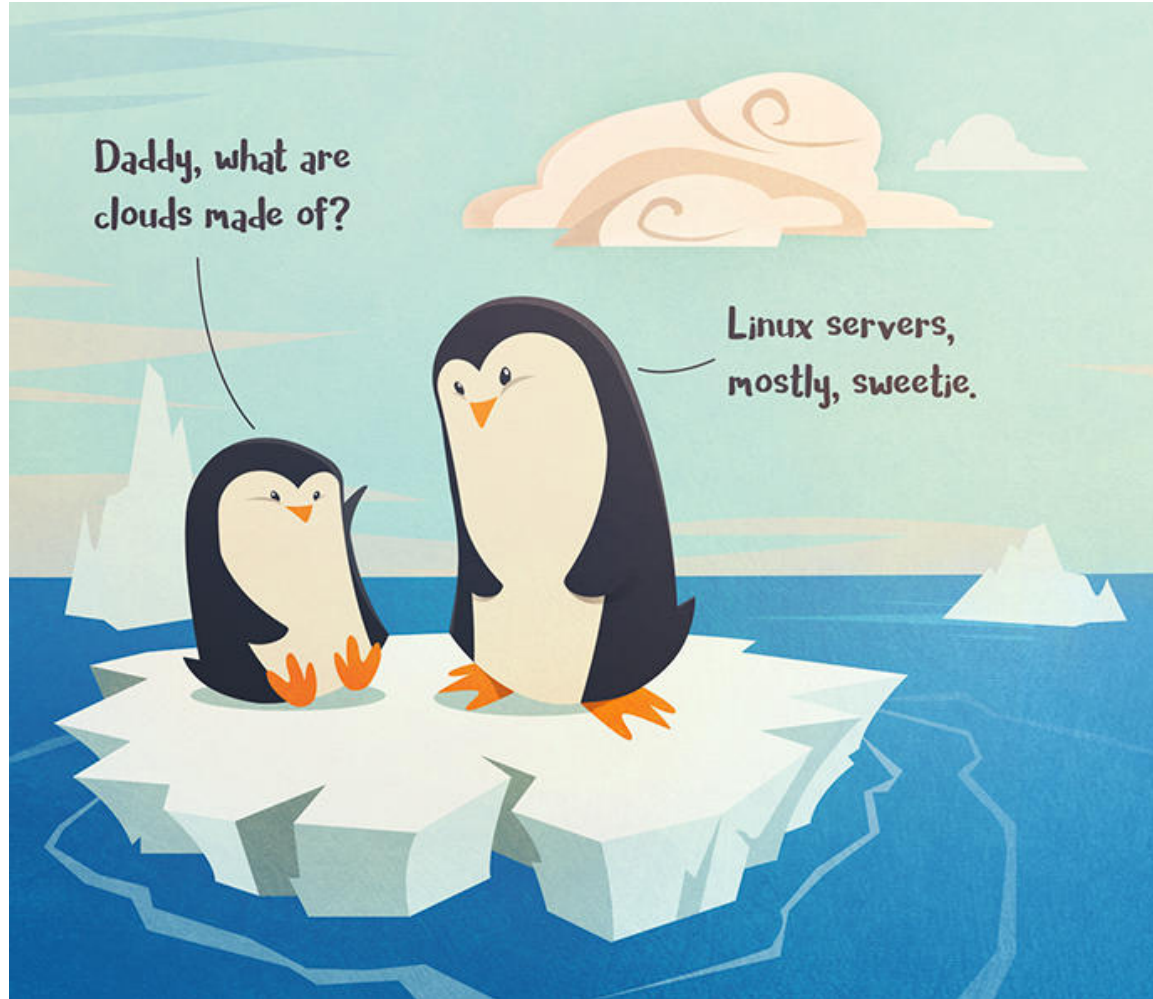
# ABOUT ME



- Óscar Nájera
- Titan-C on  
- PhD in Theoretical Physics
- Work @  **tribe29**

WHY?

# THE CLOUD & LINUX



# ARE WE AGAINST?

**There is NO CLOUD, just**



**other people's computers**

# WHAT IS MISSING?

**100** FREEDOMS  
OF FREE SOFTWARE

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**001** USE

**010** STUDY

**011** SHARE

**100** IMPROVE

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[fsfe.org](http://fsfe.org)

NOW WHAT?

# ATTITUDE





# HOW MUCH WILL IT COST?



- **~kebab/month**
- You are **root**

WHAT WILL I NEED?

# THE JOY OF TINKERING



Image source: <https://www.myth-weavers.com/showthread.php?t=487161>

# VPS



Hosting Websites and Services on Bare Minimum Cheap VPS Hosting and Dedicated Servers

## Looking for Cheap VPS, Dedicated Servers and Hosting?

### North America

- West Coast
  - [Los Angeles](#)
  - [San Jose](#)
  - [Seattle](#)
- East Coast
  - [Atlanta](#)
  - [Buffalo](#)
  - [Miami](#)
  - [New York](#)
- Inland
  - [Chicago](#)
  - [Dallas](#)
  - [Denver](#)
- Other
  - [Canada](#)

### Other Locations

- Europe
  - [Austria](#)
  - [France](#)
  - [Germany](#)
  - [Italy](#)
  - [Netherlands](#)
  - [Sweden](#)
  - [Switzerland](#)
  - [United Kingdom](#)

- S. America
  - [Brazil](#)
  - [Chile](#)
- Asia / Pacific
  - [Asia](#)
  - [Australia](#)
  - [India](#)
  - [Russia](#)

### Virtualization/OS

- [OpenVZ](#)
- [Xen](#)
- [KVM](#)
- [VMWare](#)
- [Windows](#)
- [OpenVZ vs KVM](#)

### Specializations

- [DDOS Protection](#)
- [High CPU](#)
- [High RAM](#)
- [High Storage](#)
- [NVMe Storage](#)
- [VPN](#)
- [Web Hosting](#)
- [Dedicated Servers](#)
- [Resident Hosts](#)

- [Best VPS Providers 2020 @ LowEndBox](#)
- [Best VPS Providers 2019 @ LowEndTalk](#)
- [Best Cheap Los Angeles VPS Providers](#)
- [Virtual Private Server \(VPS\) Frequently Asked Questions](#)

## How to Setup a Browser-Based Desktop with a Single Script

[desktop](#), [guacamole](#), [linux](#), [remote desktop](#) August 20, 2020 @ 12:00 pm, by [raindog308](#)

In August 2020, @dedipromo [posted a neat script on LowEndTalk](#) that he'd developed. The script sets up Guacamole, Nginx, the xfce4 desktop GUI, Firefox, VNC, and Let's Encrypt. After running it, you can point your web browser at your VPS and access a normal Linux desktop without having to use a VNC or other remote desktop client. Neat!

In this tutorial, we'll walk through using @dedipromo's script and show you how it works.

## The Desktop

I'm using a Debian 10 x64 server with 2 cores and 4GB of RAM. @dedipromo's script recommends a minimum of 1GB of RAM, but 2GB of RAM may be better. In this case my system is `desktop.lowend.party` and my username is `raindog308`.

[\(More...\)](#)

### About LowEndBox

Low End Box is dedicated to helping people run websites and services on **low end dedicated servers and virtual private servers**, where you only need to pay a few dollars a month to get full root access. Our mission is to help people find cheap vps hosting. [\[Learn More\]](#)

[Advertise on LowEndBox.com](#)

### Get notified of new offers

Email\*

### Latest Comments

• [SoftShellWeb](#) on [SoftShellWeb: Exceptional Value in EU/US \(KVM 1GB-6GB from \\$20/year!\)](#)

Hey, you can use ns1 and ns2 as your nameservers during the order ...

• [raindog308](#) on [SoftShellWeb: Exceptional Value in EU/US \(KVM 1GB-6GB from \\$20/year!\)](#)

Fixed the 6GB offer typo :-).Also we had some art assets go as ...

• [james](#) on [SoftShellWeb: Exceptional Value in EU/US \(KVM 1GB-6GB from \\$20/year!\)](#)

I tried signing up with your US-KVM-SSD-1GB-Flash-Sale and it say ...

• [Sandalian](#) on [Create Your Own Self-Hosting Mailinator With inbucket](#)

I made a simple forwarder from Exim to

Comments (0)

# ANSIBLE (GPL-3)

```
- name: Install packages
  apt:
    pkg:
      - apache2
      - git
  tags:
    - dependencies

- name: Set firewall rules for web traffic and SSH
  ufw: rule=allow port={{ item }} proto=tcp
  with_items:
    - https
    - ssh
  tags: ufw
```

## SOVEREIGN (GPL-3)

- <https://github.com/sovereign/sovereign>
- A set of Ansible playbooks to build and maintain your own private cloud
- Minimal approach. Less means lower maintenance
- You can and should read all the configuration.

# WHAT WILL I NEED?

- The joy of tinkering
- VPS
- Domain Name
- Ansible (GPLv3)
- Sovereign (GPLv3)

LET'S DO IT!

<https://github.com/Titan-C/sovereign/tree/froscon2020>