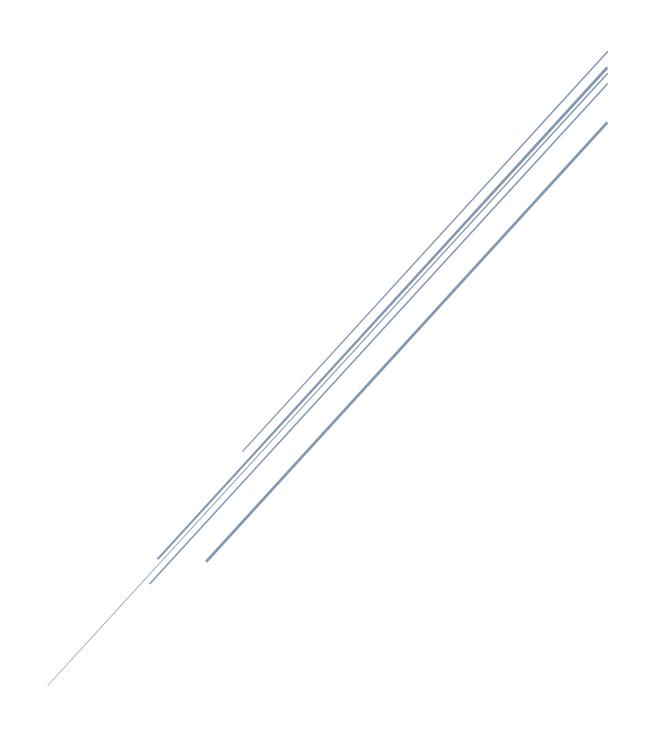
# TEST DE SOLUTIONS VPN



# **ALGO VPN**

# 1. INSTALLATION

#### a) Passer en root

"sudo su"

## b) Mettre à jour le système

"apt update && apt upgrade -y"

# c) Installer les dépendances nécessaires

"apt install python3 python3-pip git -y"

# d) Installer git si besoin

"apt install git"

# e) Cloner le dépôt

"git clone <a href="https://github.com/trailofbits/algo">https://github.com/trailofbits/algo</a>"

# f) Accéder au répertoire Algo

"cd algo"

#### g) Installé et configurer l'environnement virtuel

"python3 -m pip install --upgrade pip virtualenv"

# "python3 -m virtualenv --python="\$(command -v python3)" .env"

```
root@ubuntu-virtual-machine:/home/kaly/algo# python3 -m virtualenv --python="$(command -v python3)" .env
created virtual environment CPython3.10.12.final.0-64 in 447ms
creator CPython3Posix(dest=/home/kaly/algo/.env, clear=False, no_vcs_ignore=False, global=False)
seeder FromAppData(download=False, pip=bundle, setuptools=bundle, wheel=bundle, via=copy, app_data_dir=/root/.local/share/virtualenv)
added seed packages: pip==24.1, setuptools==70.1.0, wheel==0.43.0
activators BashActivator,CShellActivator,FishActivator,NushellActivator,PowerShellActivator,PythonActivator
```

"source .env/bin/activate"

# h) Installé les dépendances

"python3 -m pip install -r requirements.txt"

```
(cent) roof@ubuntuvirual-packine;/home/kelly/algod python3 -n pip install -r requirements.txt

(cent) roof@ubuntuvirual-packine;/home-any.whi.netadata (3.7 kB)

Collecting netadd; (fron -r requirements.txt (line 2))

Downloading sinble-or-a-2.16, from anishle-or-a-2.16, pip-none-any.whi.netadata (6.9 kB)

Collecting netadd; (fron -r requirements.txt (line 1))

Downloading network=0.2, from sinble-or-a-2.16, pip-none-any.whi.netadata (6.9 kB)

Collecting packaging (from nishle-or-a-2.16, pip-none-any.whi.netadata (3.4 kB)

Collecting packaging (from anishle-or-a-2.16, pip-none-any.whi.netadata (5.4 kB)

Collecting packaging (from anishle-or-a-2.16, pip-none-any.whi.netadata (5.4 kB)

Collecting packaging (from anishle-or-a-2.16, pip-none-any.whi.netadata (5.4 kB)

Collecting packaging (from anishle-or-a-2.16, pip-none-any.whi.netadata (6.4 kB)

Downloading anishle-or-allery particles of the pip-none-any.whi.netadata (6.4 kB)

Collecting packaging (from anishle-or-a-2.16, pip-none-any.whi.netadata (6.4 kB)

Downloading anishle-or-allery particles of the pip-none-any.whi.netadata (6.4 kB)

Downloading anishle-or-allery particles of the pip-none-any.whi.netadata (6.4 kB)

Downloading anishle-or-allery particles of the pip-none-any.whi.or-aladata (6.4 kB)

Downloading packaging-24.1-py3-none-any.whi.or-aladata (6.4 kB)

Downloading packaging-24.1-py3-none-any.whi.or-aladata (6.4 kB)

Downloading packaging-24.1-py3-
```

# i) Lancé le script d'installation Algo

"./algo"

```
C.env) recipibulary-virtual-machiner/home/haly/algod /Algo

FAMF [Escalbest]

FAME [Cathering Facts]

FAME [Cathering Facts]
```

# j) Vérifiez si Open-SSH est installé sur votre système

"dpkg -s openssh-server"

# k) Si SSH n'est pas installé, installez-le

"apt update apt install openssh-server"

# 1) Configurer les ports & les autorisation

"sudo nano /etc/ssh/sshd\_config"

- ➤ Port 22
- ➤ Port 2222
- PermitRootLogin yes
- ➤ PubkeyAuthentication yes
- > PasswordAuthentication no

# m) Assurez-vous que le service est en cours

"systemctl status ssh"

#### n) Restart SHH

"sudo systemctl restart ssh"

## o) Installez Ansible

"sudo apt install ansible"

# p) Installez Curl & Noter l'IP

"sudo apt install curl"

```
kaly@ubuntu-virtual-machine:~$ curl ifconfig.me
176.165.51.97kaly@ubuntu-virtual-machine:~$ ssh root@176.165.51.97
```

# 2. CONFIGURATION

# a) Installer sur un serveur Ubuntu existant "12"

```
[Cloud prompt]
What provider would you like to use?

1. DigitalOcean
2. Amazon Lightsail
3. Amazon EC2
4. Microsoft Azure
5. Google Compute Engine
6. Hetzner Cloud
7. Vultr
8. Scaleway
9. OpenStack (DreamCompute optimised)
10. CloudStack (Exoscale optimised)
11. Linode
12. Install to existing Ubuntu latest LTS server (for more advanced users)

Enter the number of your desired provider
:
```

# b) Sélectionnez 'Y' pour les 2 prochaines questions

#### c) Sélectionnez

"HomeNet"

# d) Sélectionnez 'Y' pour les 3 prochaines questions

## e) Entrez l'IP récupérer avec Curl

```
Enter the public IP address or domain name of your server: (IMPORTANT! This is used to verify the certificate) [192.168.1.20]:
```

# f) Fin