

TP Vagrant

1 Vagrant

1.1 Création d'une première VM Ubuntu

1. Pour pouvoir créer notre répertoire à la racine nous utilisons la commande suivant

```
sudo mkdir /Vagrant/
```

- 2.
- 3.

```
lucky@lucky:/Vagrant/VM1$ sudo vagrant init ubuntu/xenial64
A `Vagrantfile` has been placed in this directory. You are now
ready to `vagrant up` your first virtual environment! Please read
the comments in the Vagrantfile as well as documentation on
`vagrantup.com` for more information on using Vagrant.
lucky@lucky:/Vagrant/VM1$ ls
Vagrantfile
```

- 4.

```
lucky@lucky:/Vagrant/VM1$ sudo vagrant ssh
Welcome to Ubuntu 16.04.7 LTS (GNU/Linux 4.4.0-210-generic x86_64)

 * Documentation:  https://help.ubuntu.com
 * Management:    https://landscape.canonical.com
 * Support:       https://ubuntu.com/advantage

UA Infra: Extended Security Maintenance (ESM) is not enabled.

0 updates can be applied immediately.

45 additional security updates can be applied with UA Infra: ESM
Learn more about enabling UA Infra: ESM service for Ubuntu 16.04 at
https://ubuntu.com/16-04

New release '18.04.6 LTS' available.
Run 'do-release-upgrade' to upgrade to it.

vagrant@ubuntu-xenial:~$
```

- 5.

```

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vagrant@ubuntu-xenial:~$ █

```

6. m

```

lucky@lucky:~$ ls
akselCaubel.key  Desktop  GNS3  Music  r309-tp1-Mathys-Domergue  test  TP_FM_CAUBEL_DOMERGUE_3.grc  TP_UFM_CAUBEL_DOMERGUE.py
Alfasulte       Documents  host.yaml  Pictures  r309-tp2-Mathys-Domergue  test.py  TP_FM_CAUBEL_DOMERGUE.zip  TP_UFM_CAUBEL_DOMERGUE_QAM.grc
c7200-10.log.txt Downloads  Java8.log  postfix  README.md  tp1init1_docs  TP_UFM_CAUBEL_DOMERGUE_AM.grc  TP_UFM_CAUBEL_DOMERGUE_QAM.py
certificat.crt  FTA      librenav.d  ps      snap  toto.txt.asc  TP_UFM_CAUBEL_DOMERGUE_AM.py  Videos
certificat.csr  git@github:Mathys-Domergue  loopargs1.sh  Public  templates  TP_UFM_CAUBEL_DOMERGUE.grc  'VirtualBox VMs'
certificat.csr  github-classroom  macle.key  pushou_public.pdf  Templates  TP_UFM_CAUBEL_DOMERGUE.grc  vmware

```

2 Vagrant Customisation VM et construction d'image

2.1 Customisation de l'instance - Partie 1

La commande permet de faire sortir les commentaires du fichier Vagrantfiles

- 1.
2. m

```

vagrant@ubuntu-xenial:~$ systemctl status apache2
● apache2.service - LSB: Apache2 web server
   Loaded: loaded (/etc/init.d/apache2; bad; vendor preset: enabled)
   Drop-In: /lib/systemd/system/apache2.service.d
            └─apache2-systemd.conf
   Active: active (running) since Fri 2023-11-17 09:48:54 UTC; 4min 56s ago
     Docs: man:systemd-sysv-generator(8)
   CGroup: /system.slice/apache2.service
            └─12692 /usr/sbin/apache2 -k start
               12695 /usr/sbin/apache2 -k start
               12696 /usr/sbin/apache2 -k start

vagrant@ubuntu-xenial:~$ sudo ss -tunlp
Netid State      Recv-Q Send-Q           Local Address:Port               Peer Address:Port
udp    UNCONN      0      0                *:68                               *:*
tcp    LISTEN      0      0                *:22                               *:*
tcp    LISTEN      0      0                :::80                             :::*
tcp    LISTEN      0      0                :::22                             :::*

```

```
wget 127.0.0.1
```

3. C'est normal notre machine physique ne connaît pas l'adresse de notre machine virtuelle

4.

2.2 Customisation de l'instance - Partie 2

2.3 Préparation d'une image

Vagrant advanced version

3.1 Vagrant Hub

3.2 Autres commandes Vagrant et interaction avec Virtualbox

3.3 Vagrant Multi-machines