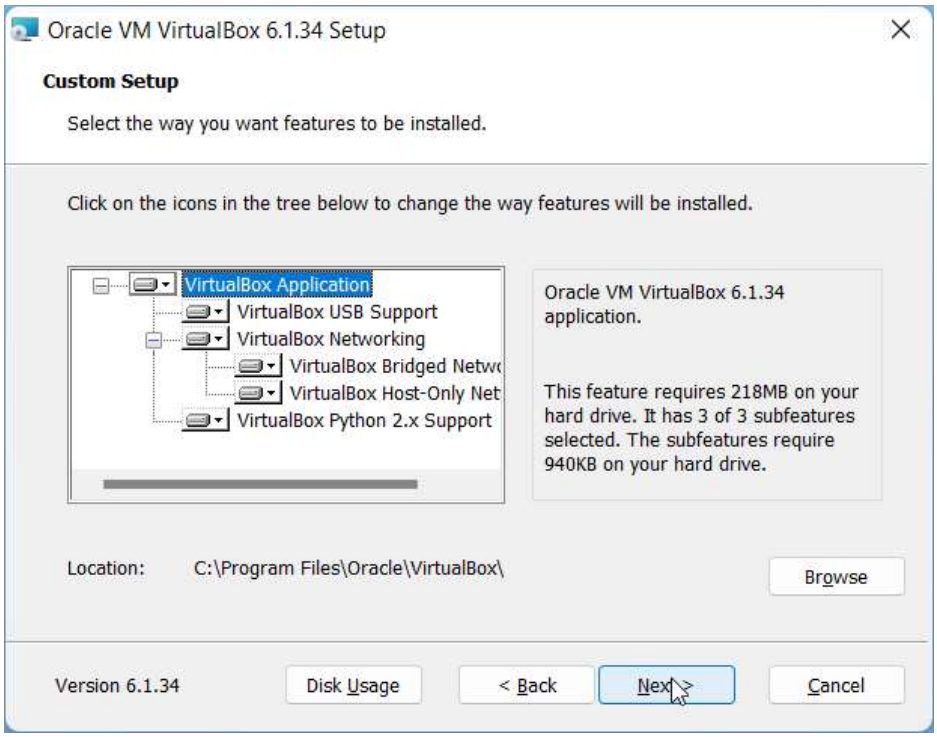
Software yang diperlukan:

1. VirtualBox 6.1.34 https://download.virtualbox.org/virtualbox/6.1.34/VirtualBox-6.1.34a-150636-Win.exe
2. Multipass Windows https://github.com/canonical/multipass/releases/download/v1.9.2/multipass-1.9.2+win-win64.exe
3. Windows Terminal

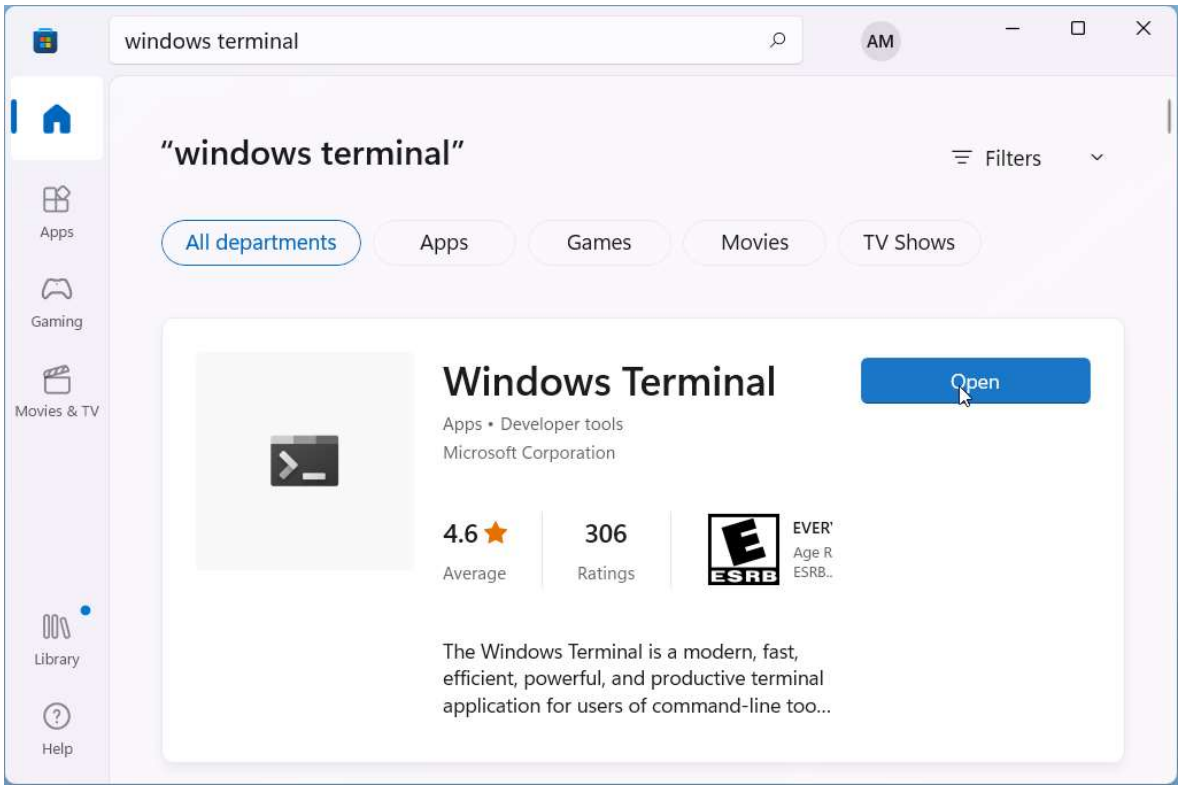
Virtual Box

Install VirtualBox seperti biasa.



Windows Terminal

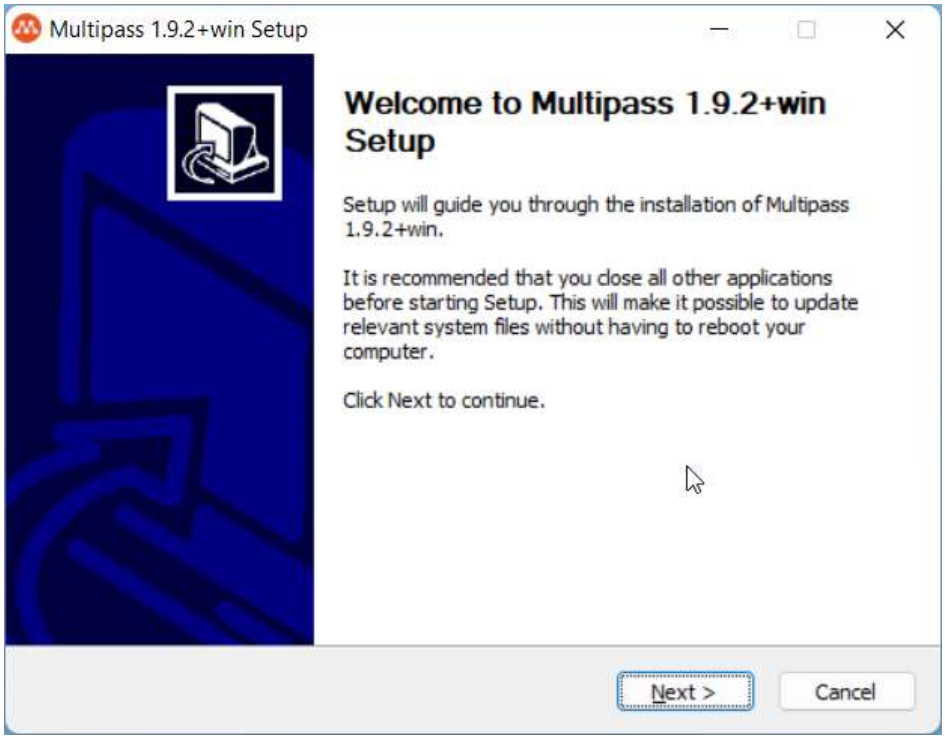
1. Buka Microsoft Store
2. Cari **Windows Terminal**

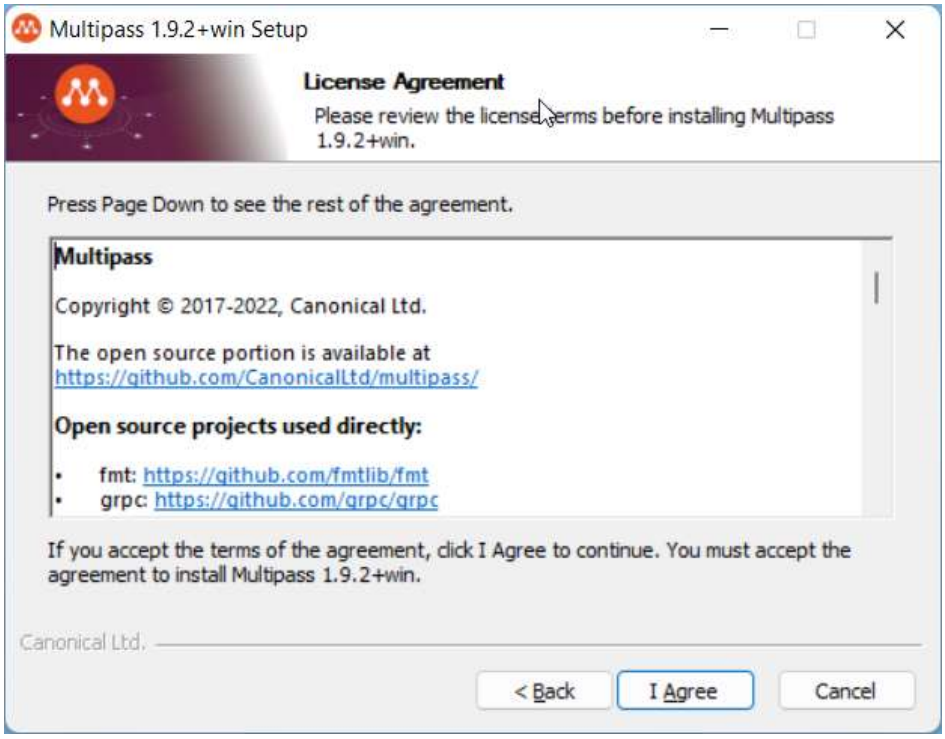


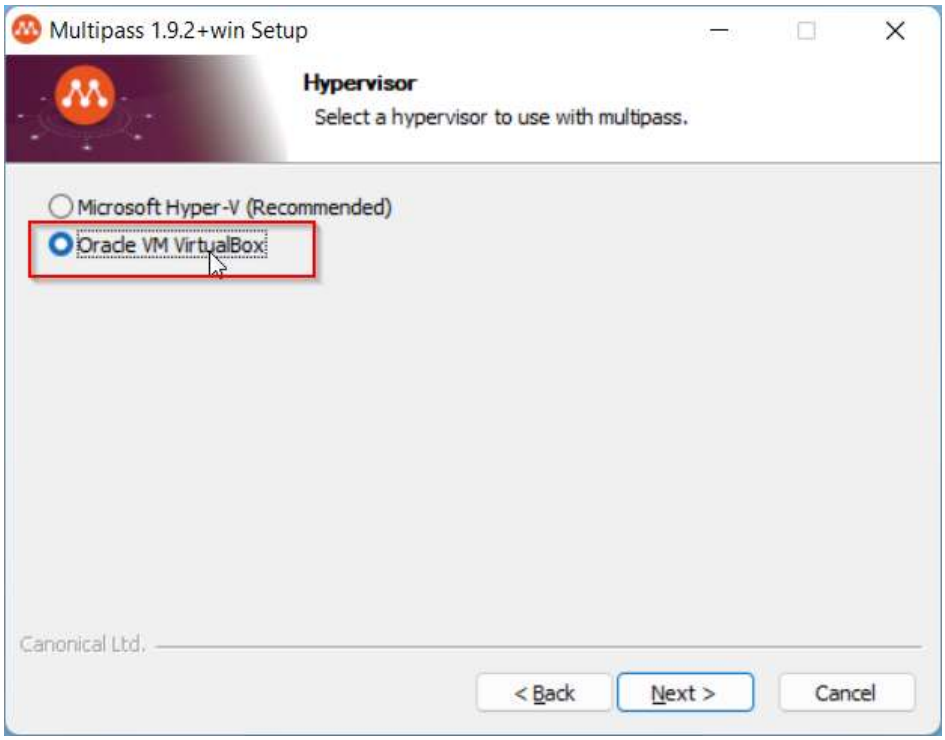
3. Install **Windows Terminal** apabila belum terinstal

Multipass Windows

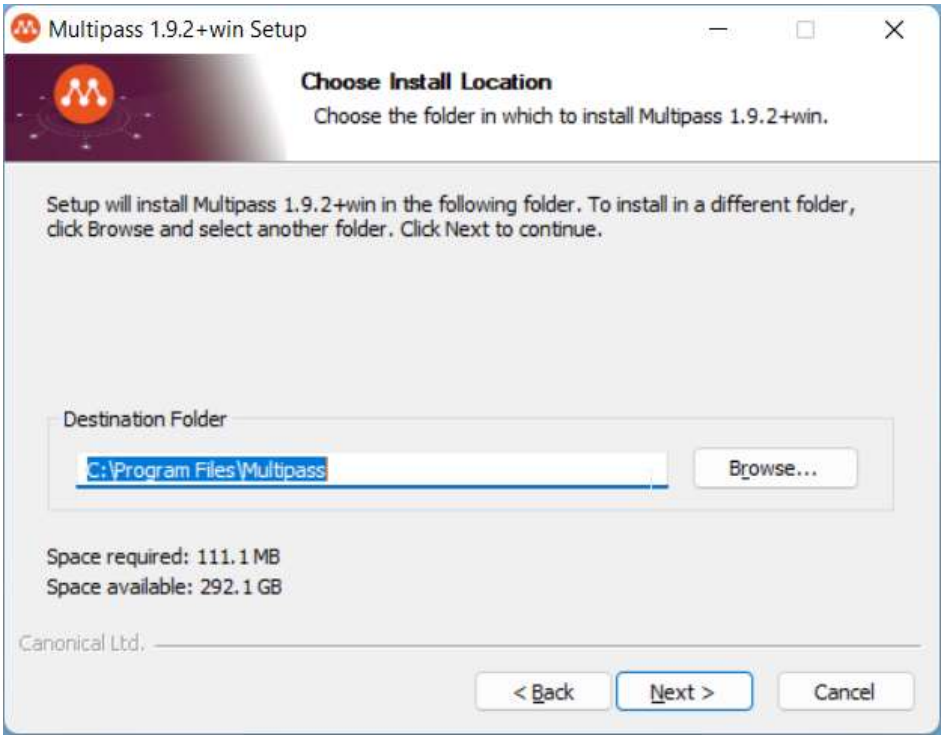
1. Install Multipass seperti berikut.

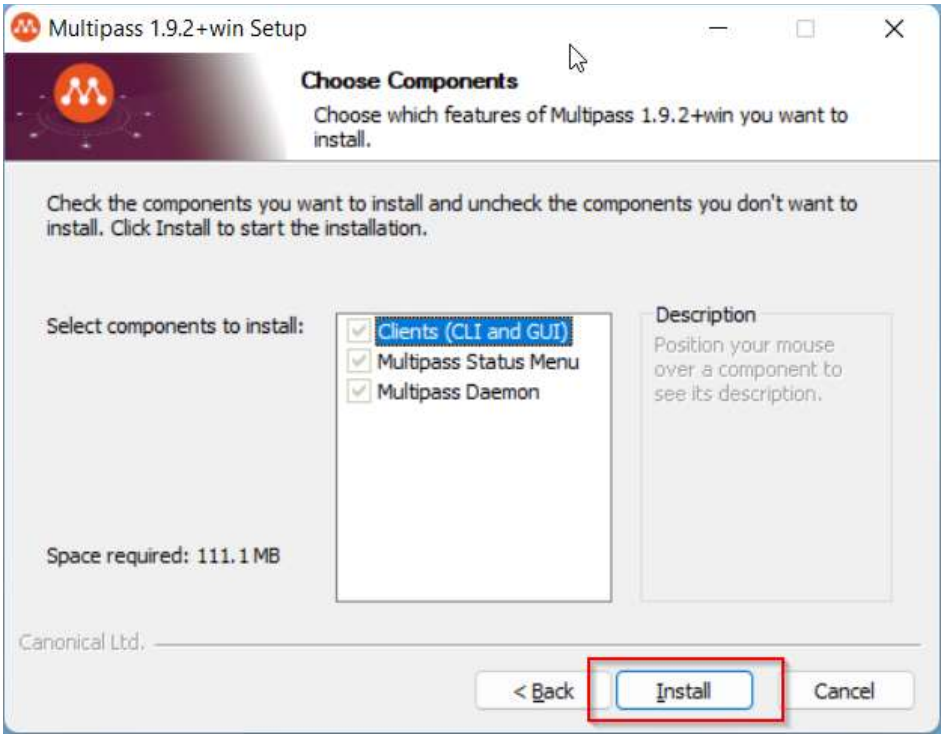




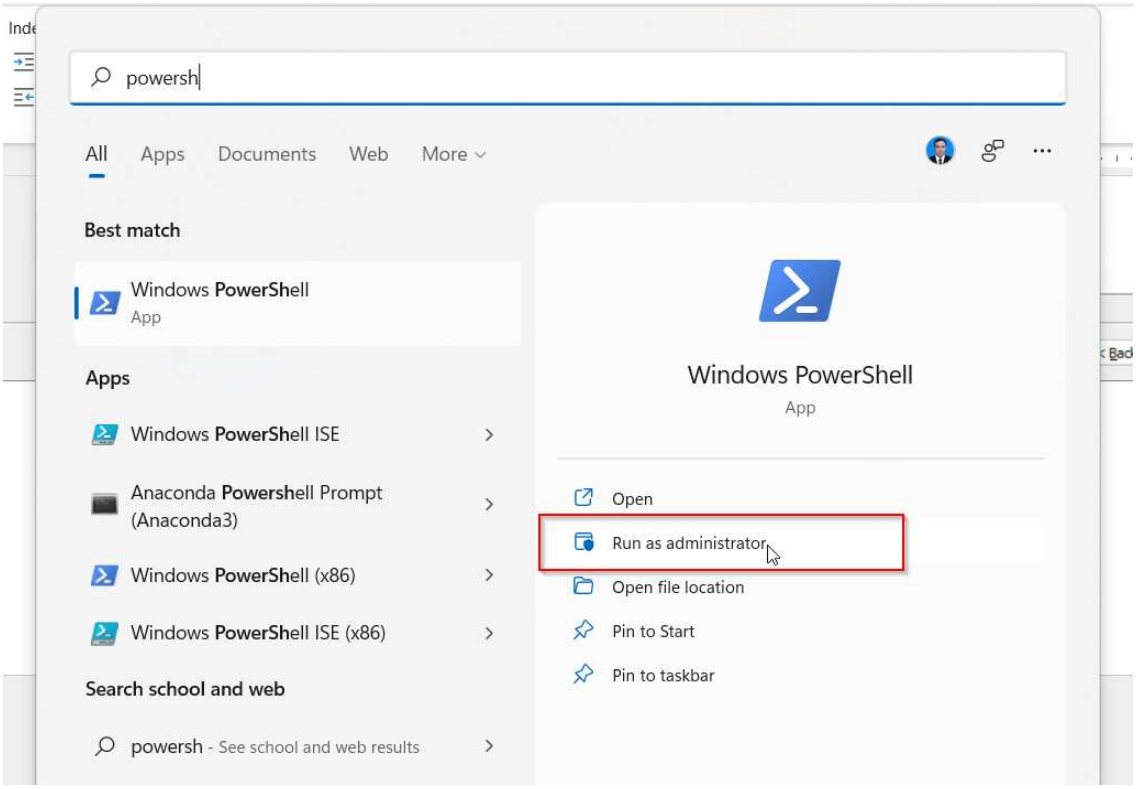

Multipass 1.9.2+win Setup
Hypervisor
Select a hypervisor to use with multipass.
Microsoft Hyper-V (Recommended)
Oracle VM VirtualBox
Canonical Ltd.
< Back
Next >
Cancel


Multipass 1.9.2+win Setup
Add multipass to PATH?
To run Multipass, without having to type the full installation directory, the PATH variable needs to include multipass.
Do not add multipass to the PATH
Add multipass to the system PATH for all users
Add multipass to the current user's PATH (Recommended)
Canonical Ltd.
< Back
Next >
Cancel



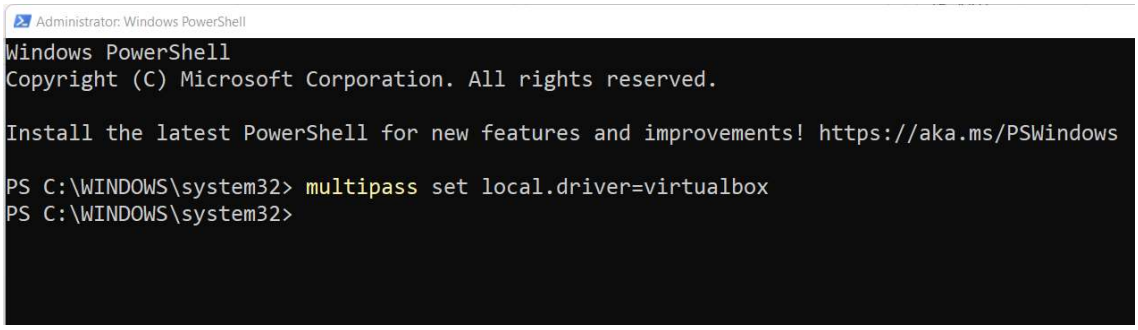


2. Buka Powershell sebagai administrator



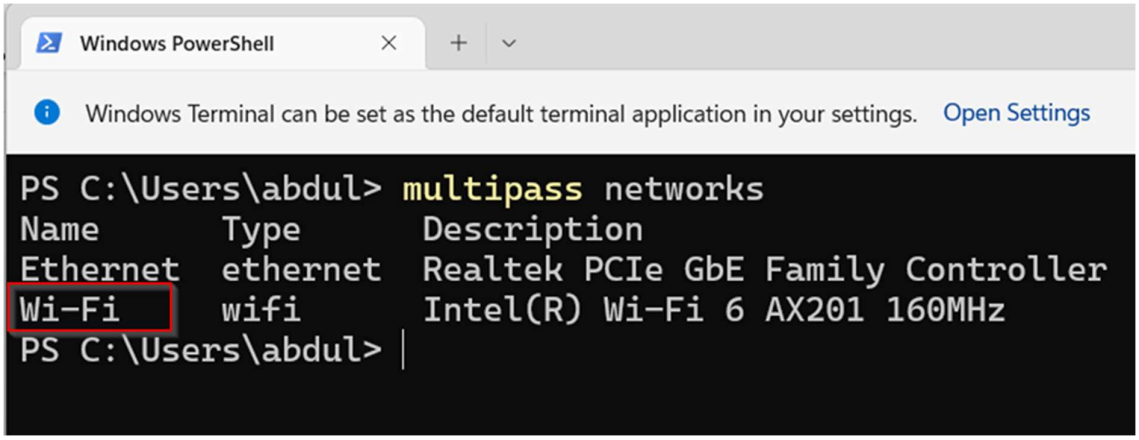
3. Jalankan perintah berikut

```
multipass set local.driver=virtualbox
```



4. **Restart komputer**
5. Buka **Windows Terminal**.
6. Jalankan perintah berikut untuk mengecek network card yang dapat dipakai oleh virtual machine.

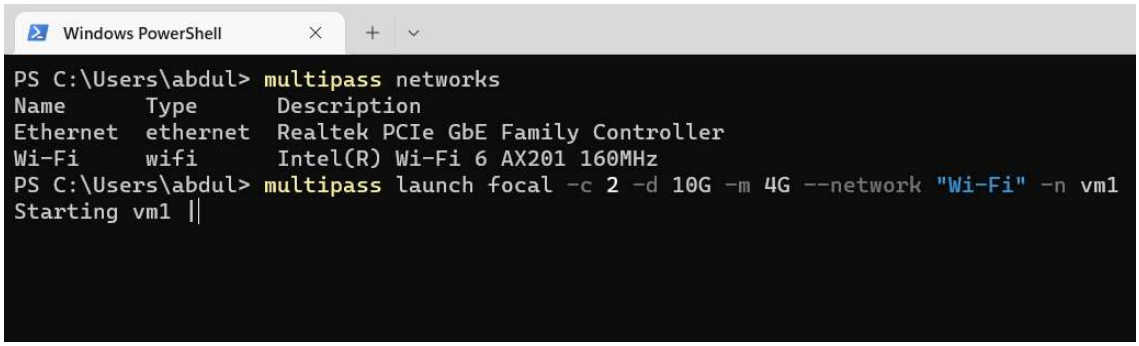
```
multipass networks
```



Di sini kita akan menggunakan network bernama "**Wi-Fi**".

7. Jalankan perintah berikut untuk membuat virtual machine yang baru.

```
multipass launch focal -c 2 -d 10G -m 4G --network "Wi-Fi" -n vm1
```

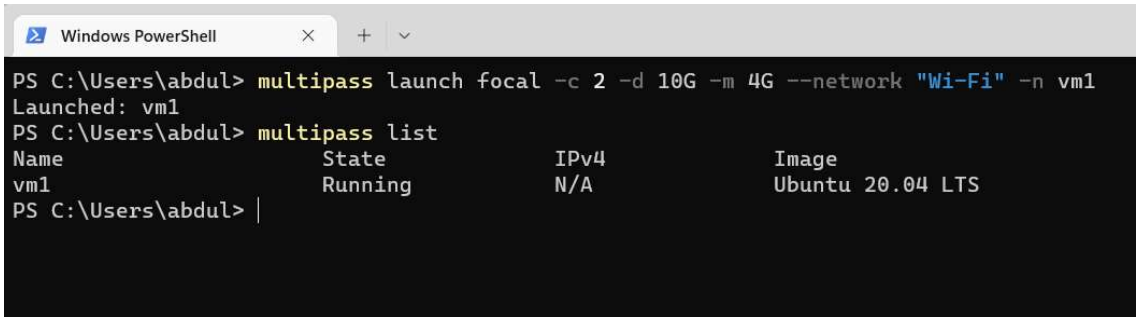


Keterangan:

- multipass launch focal : membuat VM baru dengan Ubuntu 20.04 (focal)
- -c 2 : jumlah core atau CPU sebanyak 2
- -d 10G : virtual disk 10 GB
- -m 4G : virtual RAM 4 GB
- --network "Wi-Fi" : menggunakan network "Wi-Fi"
- -n vm1 : nama VM adalah "vm1"

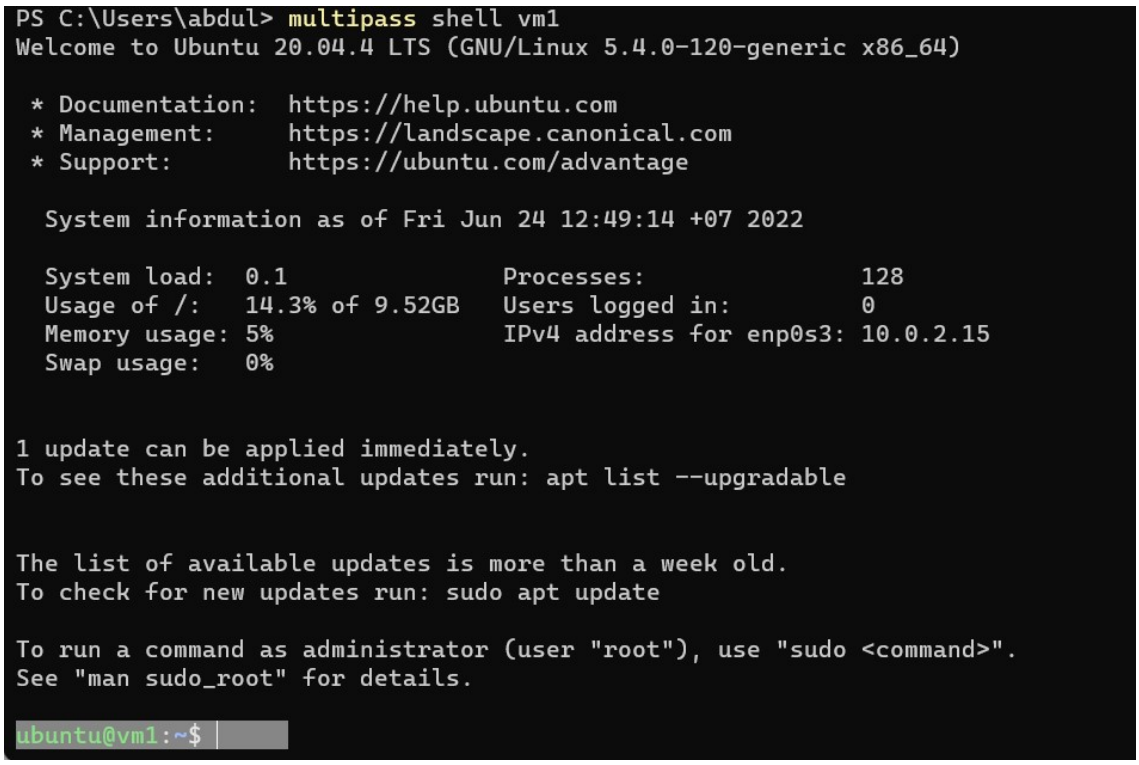
8. Cek daftar VM yang berhasil dibuat dengan menggunakan perintah **multipass list**.

```
multipass list
```

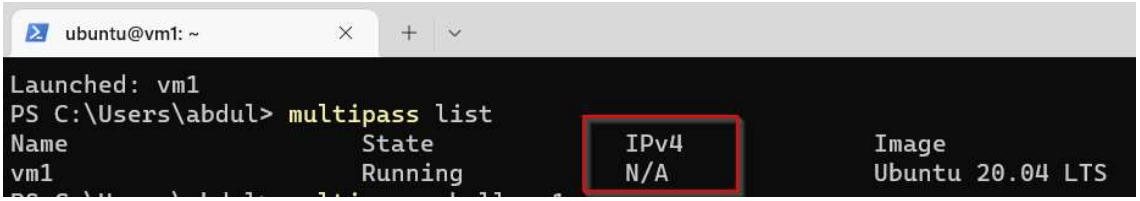


9. Tes masuk ke virtual machine menggunakan **multipass shell <nama VM>**.

```
multipass shell vm1
```



Catatan



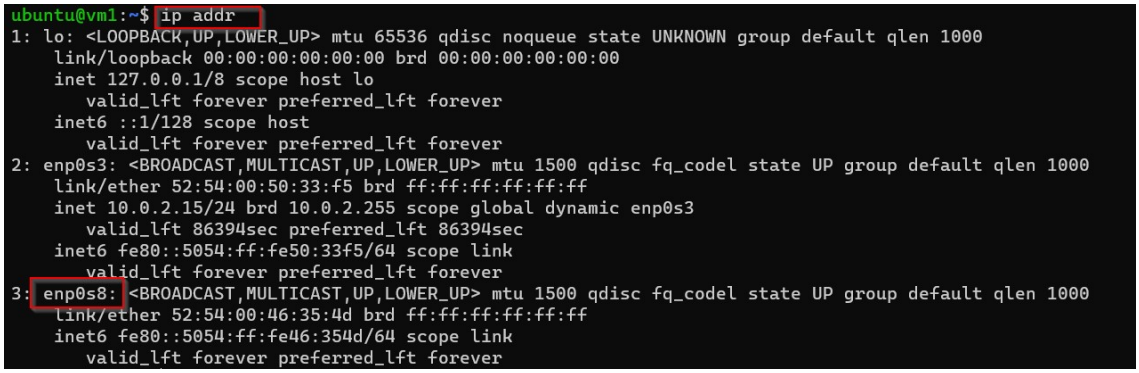
Jika VM tidak mendapatkan IPv4 secara otomatis/DHCP, lakukan langkah-langkah berikut untuk mengeset IP statis.

1. Masuk ke dalam shell VM

multipass shell vm1

2. Cek nama interface yang akan diberi IPv4 statis.

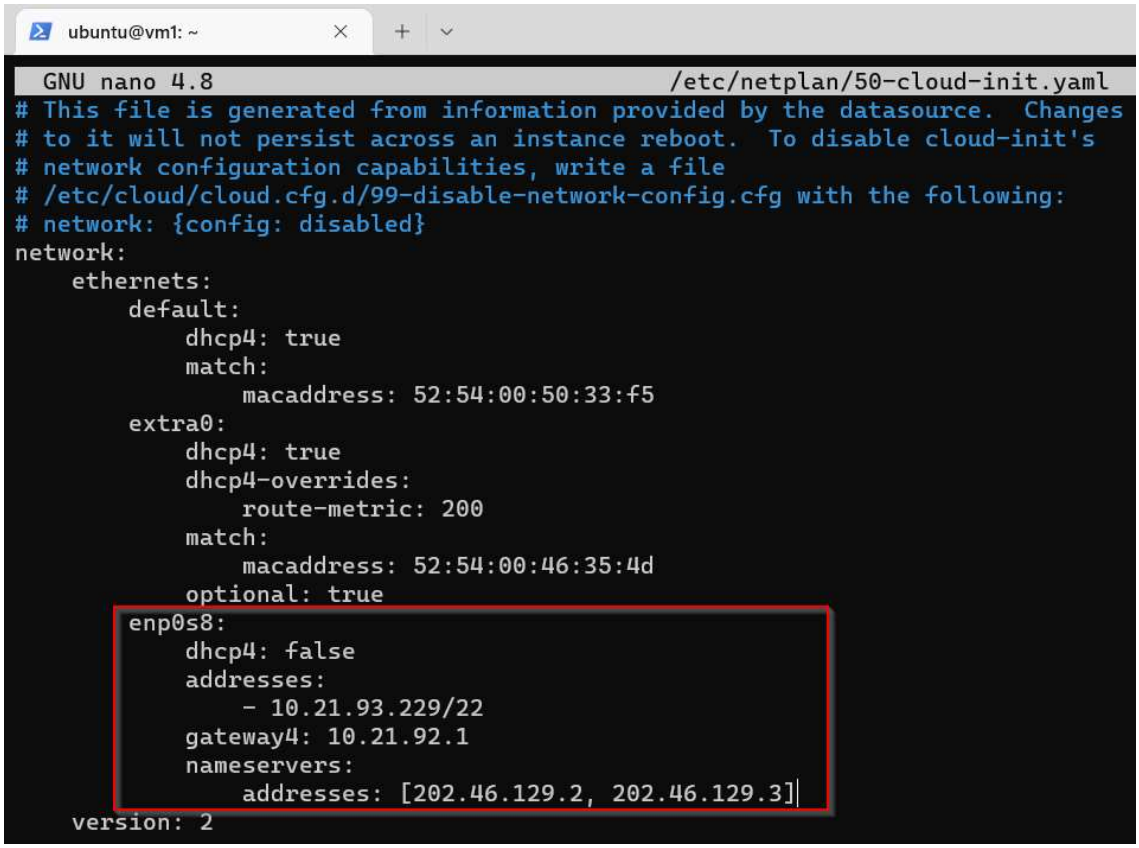
ip addr



3. Edit file /etc/netplan/50-cloud-init.yaml

sudo nano /etc/netplan/50-cloud-init.yaml

4. Tambahkan IPv4 statis sesuai dengan spesifikasi jaringan.



5. Jalankan perintah berikut untuk mereset network

```
sudo netplan apply
```

6. Cek IPv4 yang berhasil ditambahkan

```
ip addr
```