

To disable hyper-v:

To disable hyper-v on windows 10 and 11:

-From control panel/programs

Go to "Turn Windows features on or off"

Make sure Hypervisor is not checked.

-then run cmd as administer:

```
> bcdedit /set hypervisorlaunchtype off
```

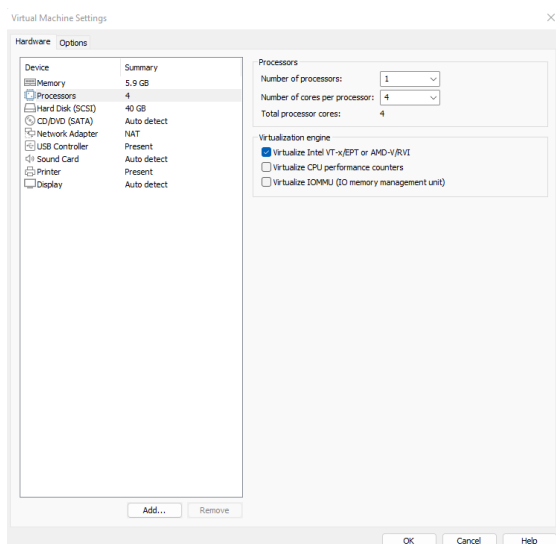
To check:

```
> bcdedit /enum {current}
```

restart the host machine

Install the guest machine:

configure the ubuntu vm via vm ware.



Run vm and install ubuntu...

Install necessary packages:

In guest machine(ubuntu) :

```
$ sudo apt-get update
```

```
$ sudo apt install curl git
```

To install docker engine follow the links below:

<https://docs.docker.com/engine/install/ubuntu/>

<https://docs.docker.com/engine/install/linux-postinstall/>

commands:

```
$ sudo apt-get update
$ sudo apt-get install \
    ca-certificates \
    curl \
    gnupg \
    lsb-release
$ sudo mkdir -p /etc/apt/keyrings
$ curl -fsSL https://download.docker.com/linux/ubuntu/gpg | sudo gpg --dearmor -o
/etc/apt/keyrings/docker.gpg
$ echo \
    "deb [arch=$(dpkg --print-architecture) signed-by=/etc/apt/keyrings/docker.gpg]
https://download.docker.com/linux/ubuntu \
    $(lsb_release -cs) stable" | sudo tee /etc/apt/sources.list.d/docker.list >
/dev/null
$ sudo apt-get update
$ sudo apt-get install docker-ce docker-ce-cli containerd.io docker-compose-plugin
$ sudo groupadd docker
$ sudo usermod -aG docker $USER
$ newgrp docker
```

To check if the engine is installed correctly:

```
$ docker run hello-world
```

Install virtualbox in guest machine using the link below:

https://www.virtualbox.org/wiki/Linux_Downloads

to install vagrant:

<https://www.vagrantup.com/downloads>

commands:

```
$ wget -O- https://apt.releases.hashicorp.com/gpg | gpg --dearmor | sudo tee /usr/share/keyrings/hashicorp-archive-keyring.gpg
```

(you may need to enter your password to complete the command above)

```
$ echo "deb [signed-by=/usr/share/keyrings/hashicorp-archive-keyring.gpg] https://apt.releases.hashicorp.com $(lsb_release -cs) main" | sudo tee /etc/apt/sources.list.d/hashicorp.list
```

```
$ sudo apt update && sudo apt install vagrant
```

Get your vagrant token(watch video)

```
$ vagrant cloud auth login -t YOUR_VAGRANT_TOKEN
```

(replace "YOUR_VAGRANT_TOKEN" with your token)

Install comnetsemu:

```
$ cd ~
```

```
$ git clone https://git.comnets.net/public-repo/comnetsemu.git
```

```
$ cd comnetsemu
```

```
$ vagrant up comnetsemu
```