GOAD v3 — Simple Install— Ubuntu & Troubleshooting

medium.com/@shanksf/goad-v3-simple-install-ubuntu-troubleshooting-7505de7e7322

Shanks December 16, 2024

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GOAD v3

The new version of **GOAD** is out and it's better than v2, so I'll show you how to get the most out of it **first try**, without **no(t)** (much) troubleshooting.

This was fully tested only on a Windows 10 machine with **64GB of RAM**, using **VMware** and **Ubuntu**.

This may also work for `GOAD-light, GOAD-Mini, SSCM, NHA and so on.`

It's the easiest guide on the internet for using and pwning GOAD.
If you wanna use the v2, here's the tutorial for **.**

Leave a comment if works for you. :)

> *Main project by Mayfly:*

PREREQUISITES

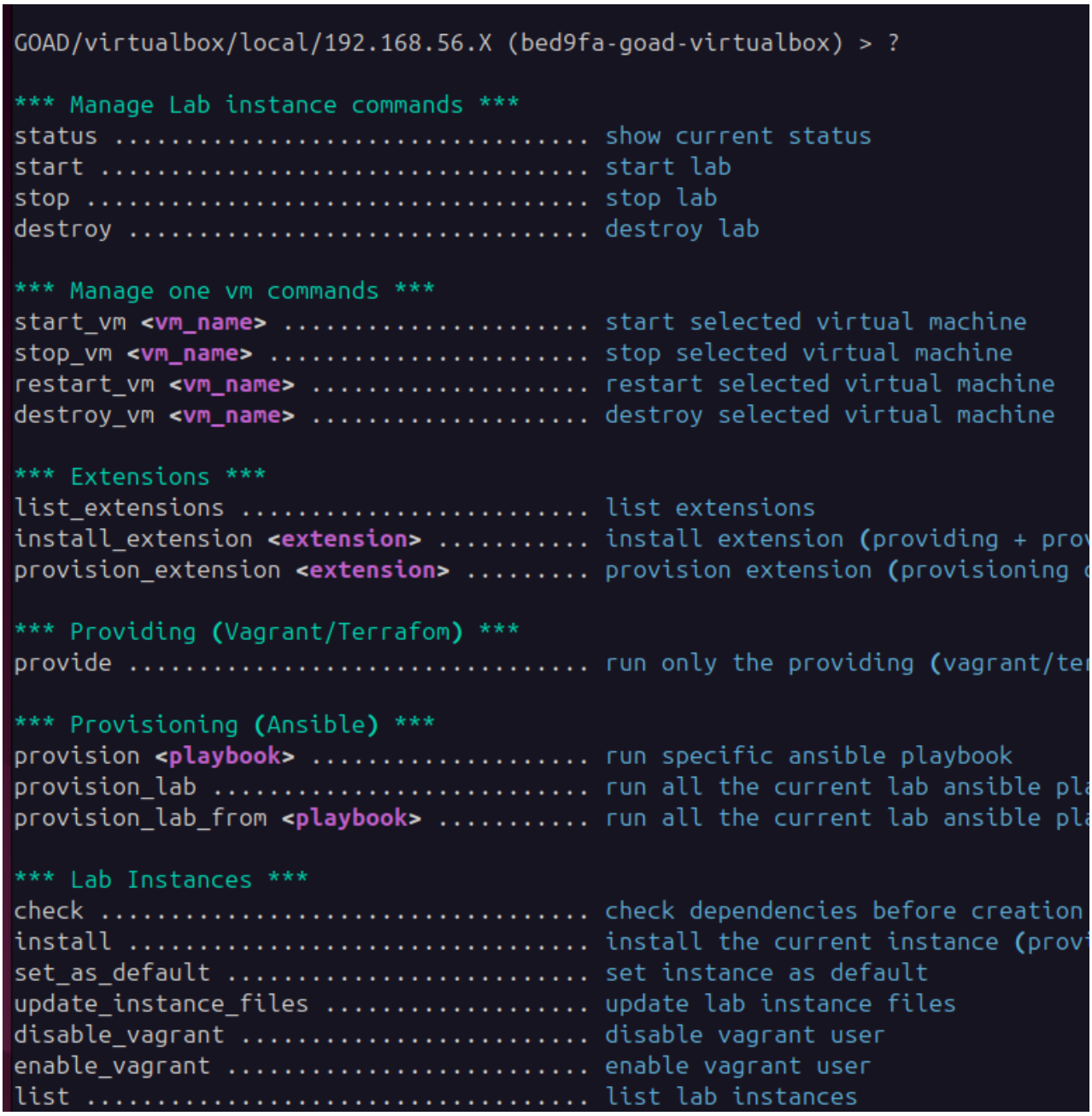
- VMWARE Workstation (Also may work with Virtualbox, just adapt)
- Kali or Ubuntu (Choose any distro you want, I'll use Ubuntu just for demonstration)
- A lot of disk space (~120GB)
- A lot of ram (At least 32GB for the main GOAD)

STEPS

After installing and setting up Ubuntu just run the following:

```
# Install vbox
sudo apt install virtualbox



# Install vagrant
wget -O- https://apt.releases.hashicorp.com/gpg | sudo gpg --dearmor -o
/usr/share/keyrings/hashicorp-archive-keyring.gpg
echo"deb [signed-by=/usr/share/keyrings/hashicorp-archive-keyring.gpg]
https://apt.releases.hashicorp.com  main" | sudo tee
/etc/apt/sources.list.d/hashicorp.list
sudo apt update && sudo apt install vagrant



# Install Vagrant plugins
vagrant plugin install vagrant-reload vagrant-vbguest winrm winrm-fs winrm-
elevated



# Add some dependencies
sudo apt install git sshpass lftp rsync openssh-client python3-venv



git clone https://github.com/Orange-Cyberdefense/GOAD.git
cd GOAD



# verify installation
./goad.sh -t check -l GOAD -p virtualbox



# install
./goad.sh -t install -l GOAD -p virtualbox



# launch goad in interactive mode
./goad.sh
```

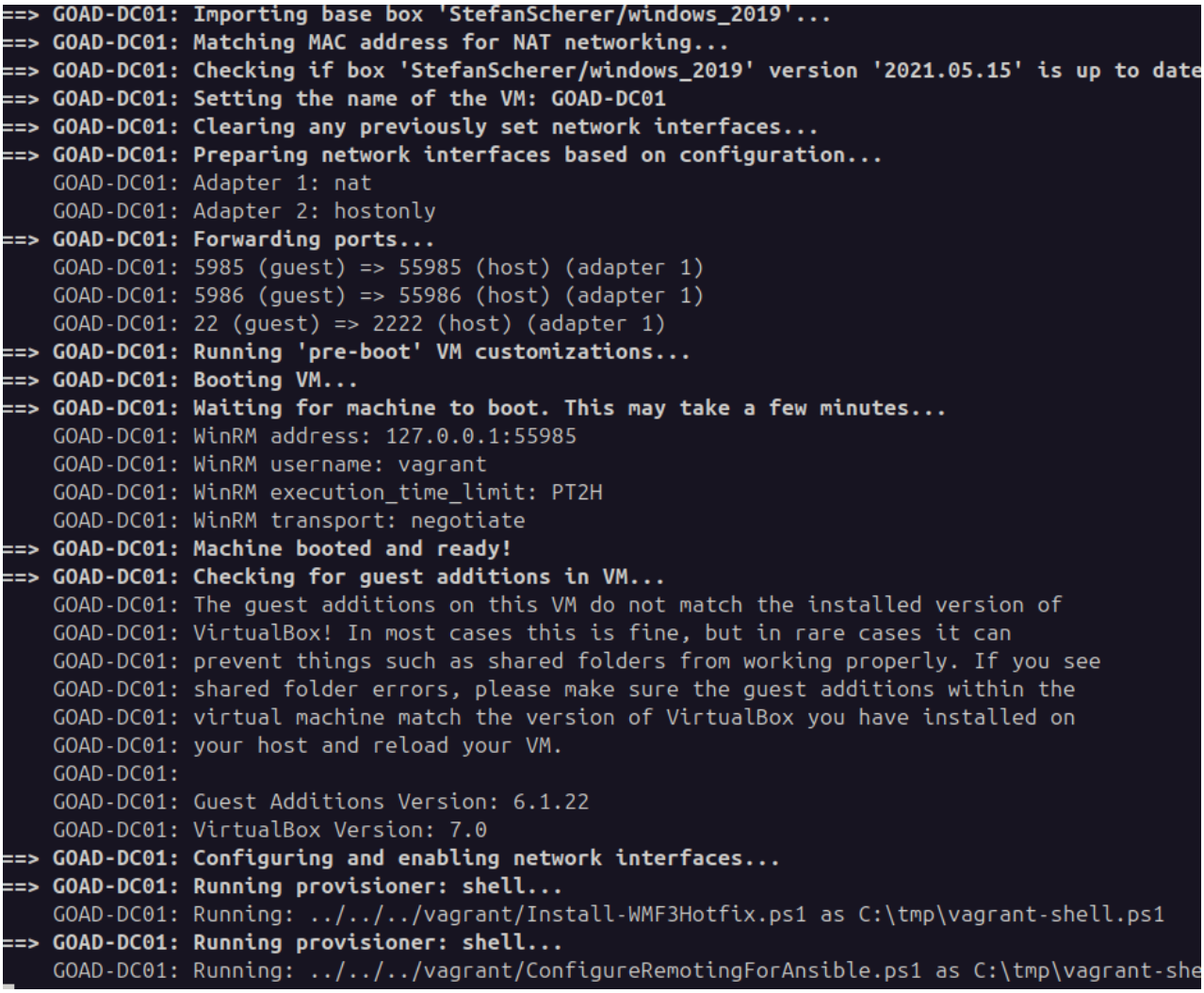
Make sure you have enough **RAM**.
If you have any doubts, just use “**install**”.



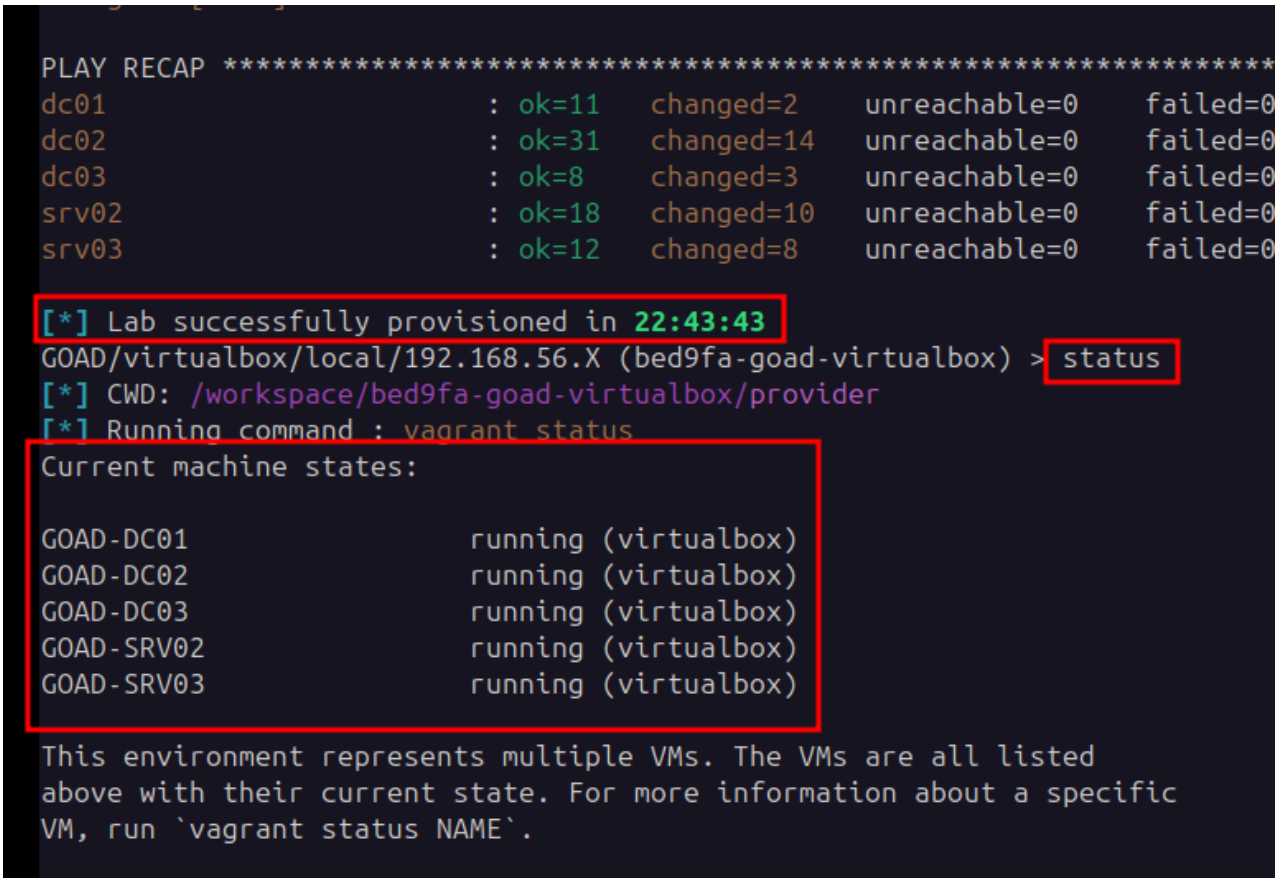
Options with “?”

It’ll start downloading the VMs, just be patient.

Grab a coffee ☕Read a book 📖Watch an anime ⛩Go for a run 🏃

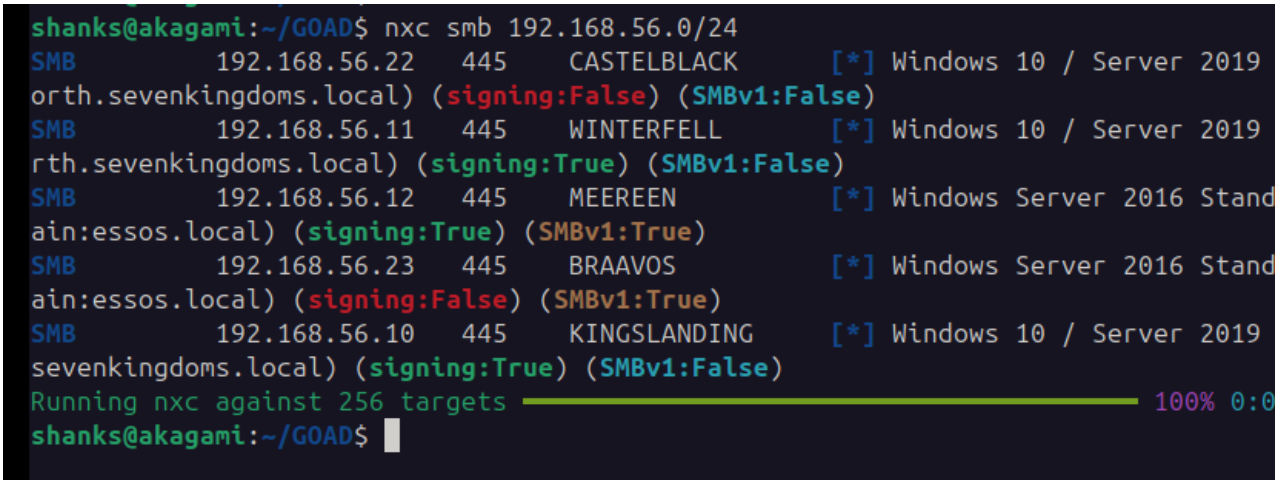


Downloading and setting up the machines



Machines are all set up, use “status” to check if they’re running

Awesome, the labs are all installed and running.



Check with nxc if you can reach them

Running you’ll see that all the machines are working! 👋🏻

Really, that’s all of it. Just start hacking it. Have fun! 🥳

TROUBLESHOOTING

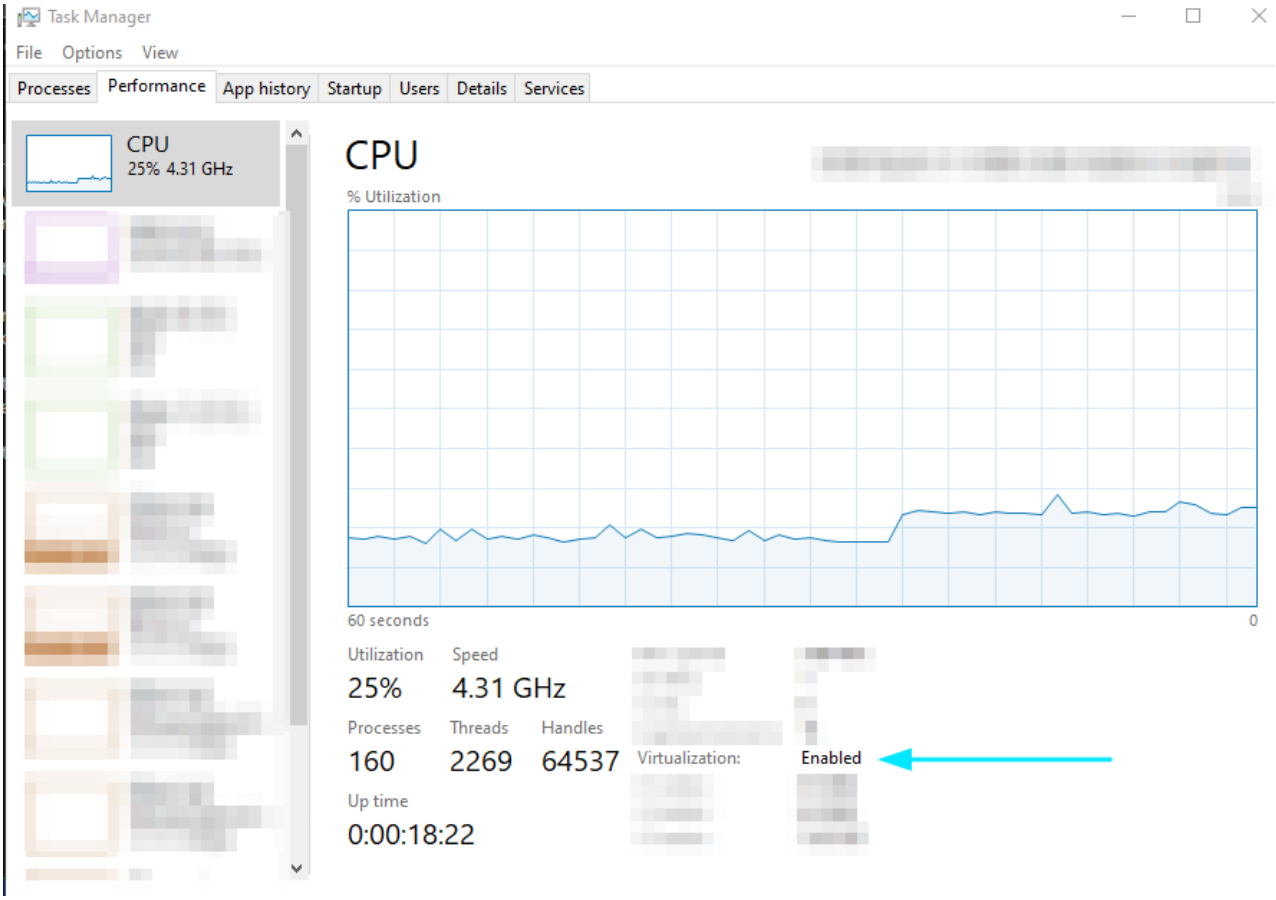
Usually you won’t have problems, but if you do and happens to be about ‘**INTEL VT-x/EPT or AMD-V/RVI’** here’s the solution:

```
    GOAD-DC01: 22 (guest) => 2222 (host) (adapter 1)
==> GOAD-DC01: Running 'pre-boot' VM customizations...
==> GOAD-DC01: Booting VM...
There was an error while executing `VBoxManage`, a CLI used by Vagrant
for controlling VirtualBox. The command and stderr is shown below.

Command: ["startvm", "734544e2-36fb-4d8e-98af-11449818249b", "--type", "headless"]

Stderr: VBoxManage: error: AMD-V is not available (VERR_SVM_NO_SVM)
VBoxManage: error: Details: code NS_ERROR_FAILURE (0x80004005), component ConsoleWrap, interface IConsole

[-] Providing error stop
```

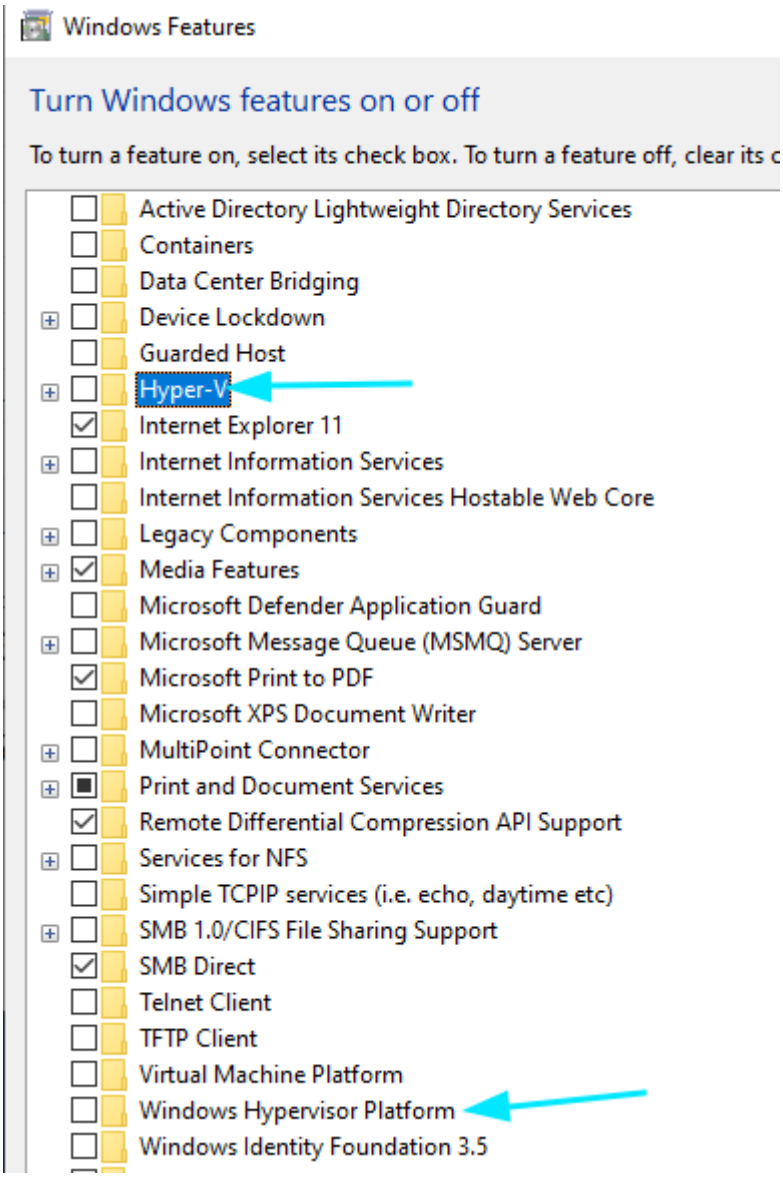
AMD-V error

First of, you need to **enable Virtualization** in your **BIOS**. You can google search on how to do that for you motherboard.

You can check if you need to do this by going to your **CPU tab** using Task Manager like so:



After enabling it, you need to **turn off any hypervisor** you have, you can do that by using the "**Turn Windows features on of off**", cmd or Powershell if some doesn't work. Don't forget to **restart** your computer.



turn windows features on or off

```
C:\Users\Administrator>bcdedit /set hypervisorlaunchtype off
The operation completed successfully.

C:\Users\Administrator>
```

cmd option

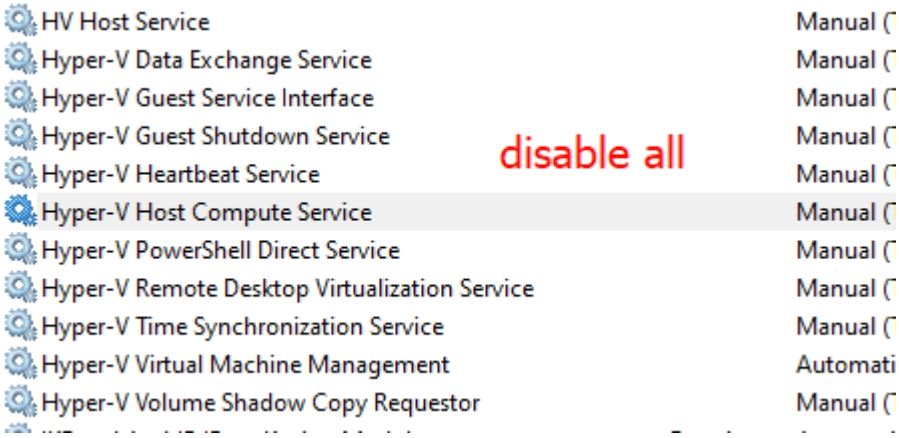
```
bcdedit / hypervisorlaunchtype
```

```
PS C:\Users\Administrator> Disable-WindowsOptionalFeature -Online -FeatureName Microsoft-Hyper-V-All
Do you want to restart the computer to complete this operation now?
[Y] Yes  [N] No  [?] Help (default is "Y"):
```

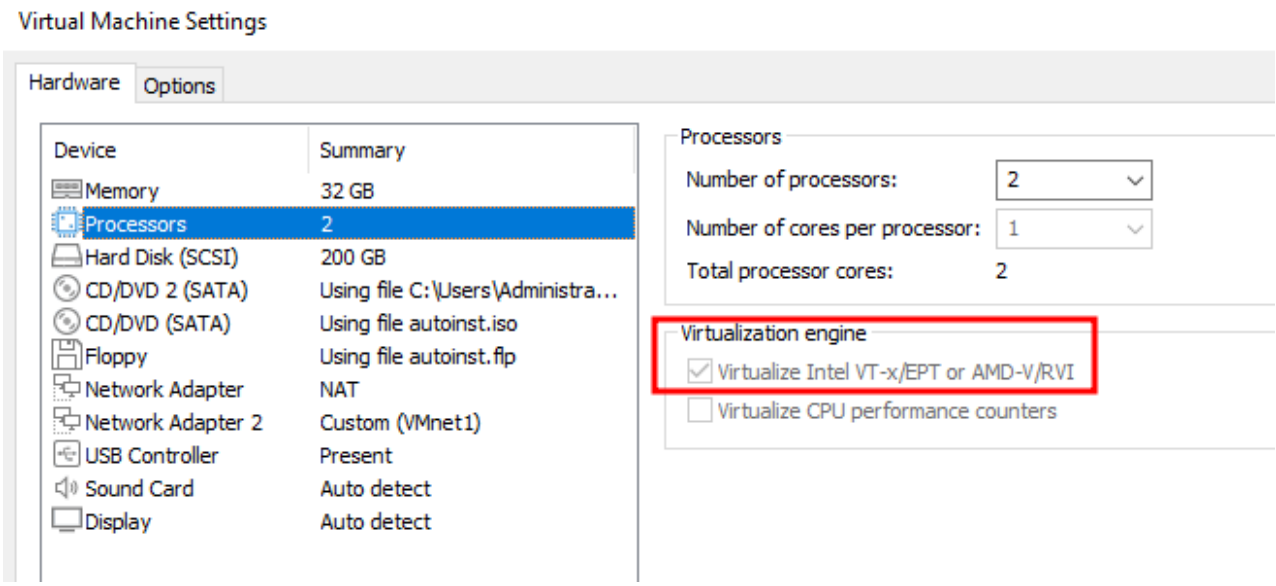
Powershell option

```
Disable-WindowsOptionalFeature -Online -FeatureName Microsoft-Hyper-V-
```

Go to your services and **stop/disable all related to Hyper-V.**



Then, go to your Ubuntu and enable the option below.



Enable the virtualize option

By doing those, you can start your Ubuntu normally and install GOAD.