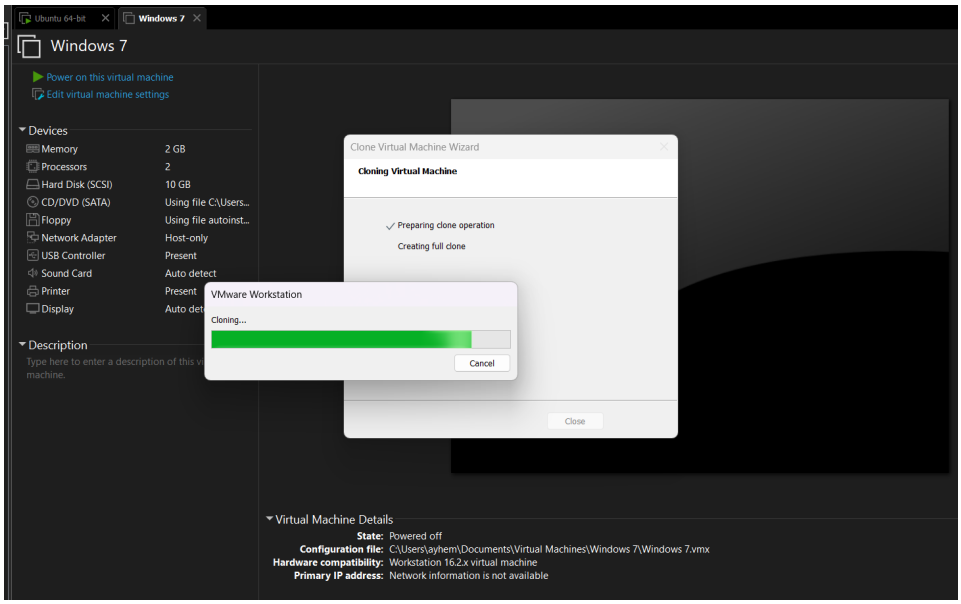
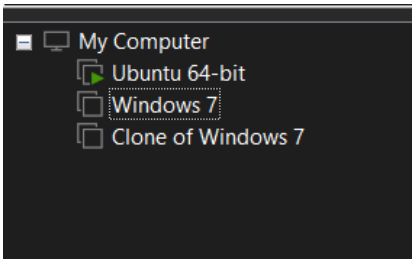
Partie VMware

Créer une duplication (clone) de l’état actuel de la VM Windows 7 (full réplication).

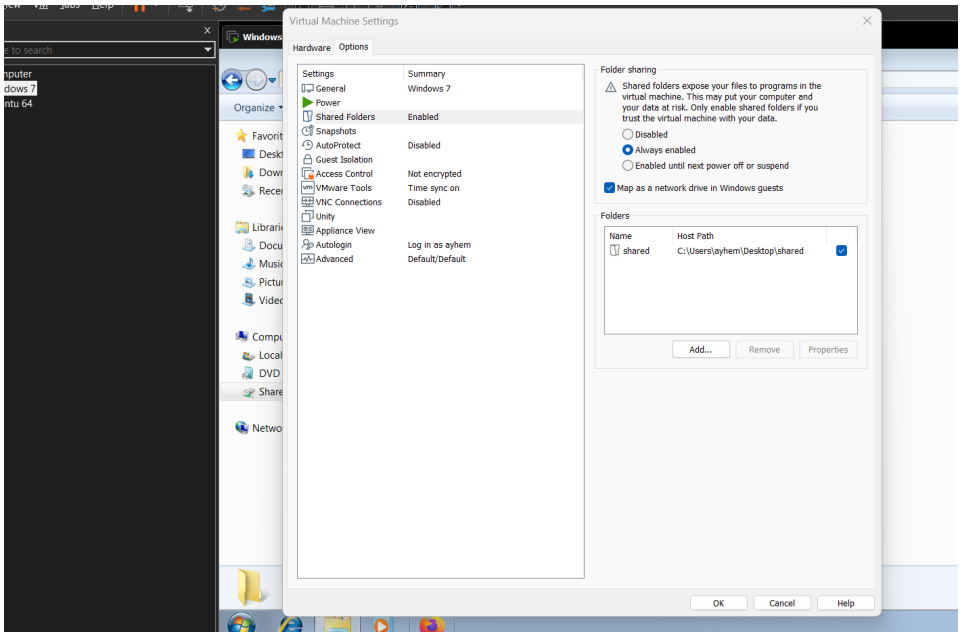


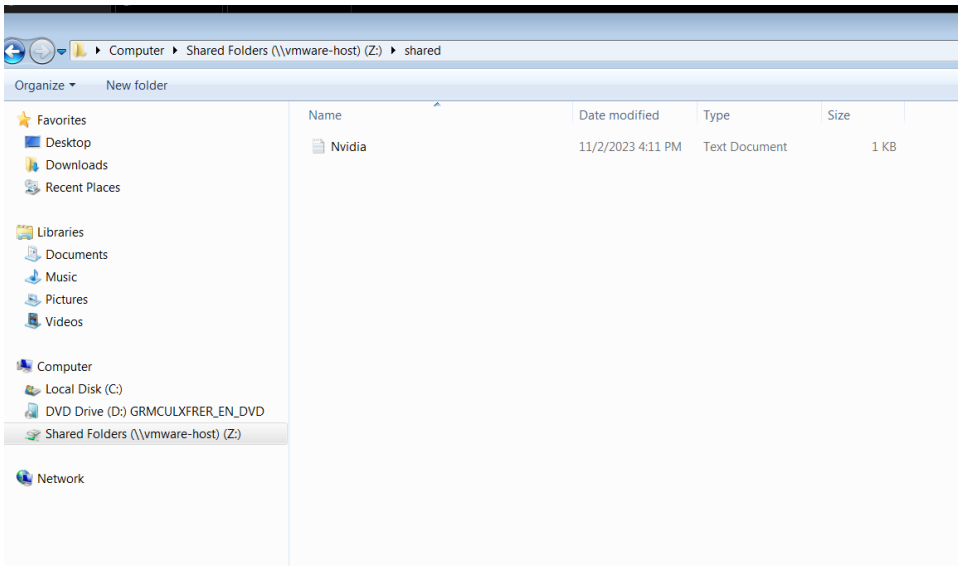
> Une nouvelle machine clone a été créée.

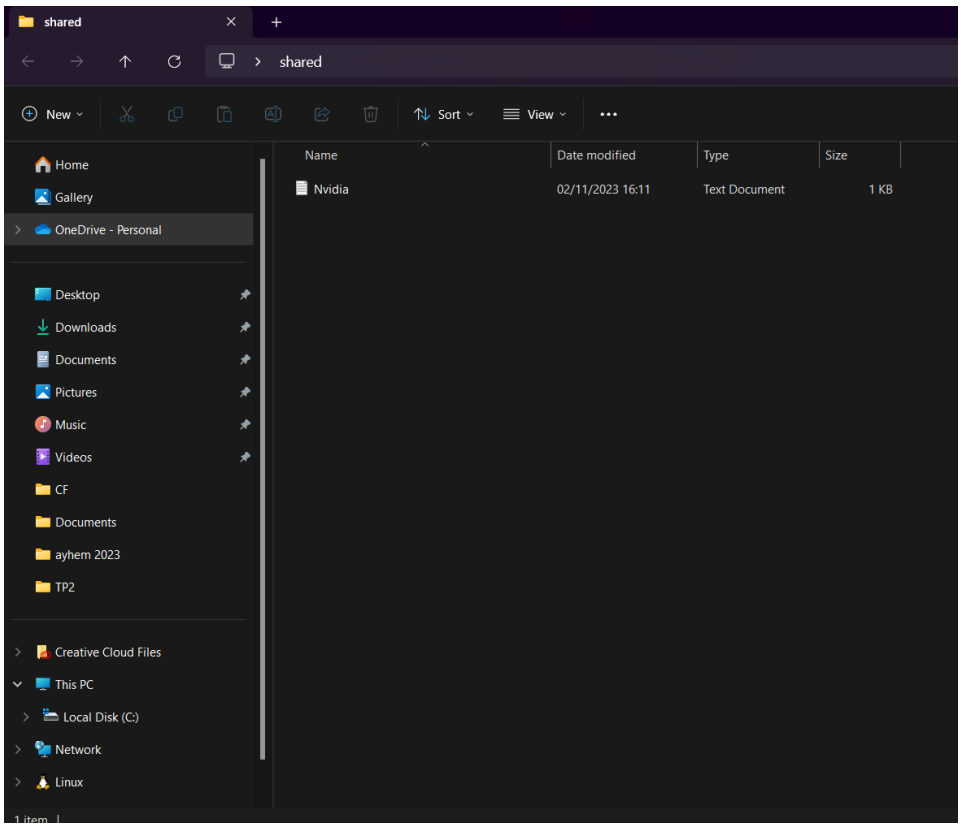


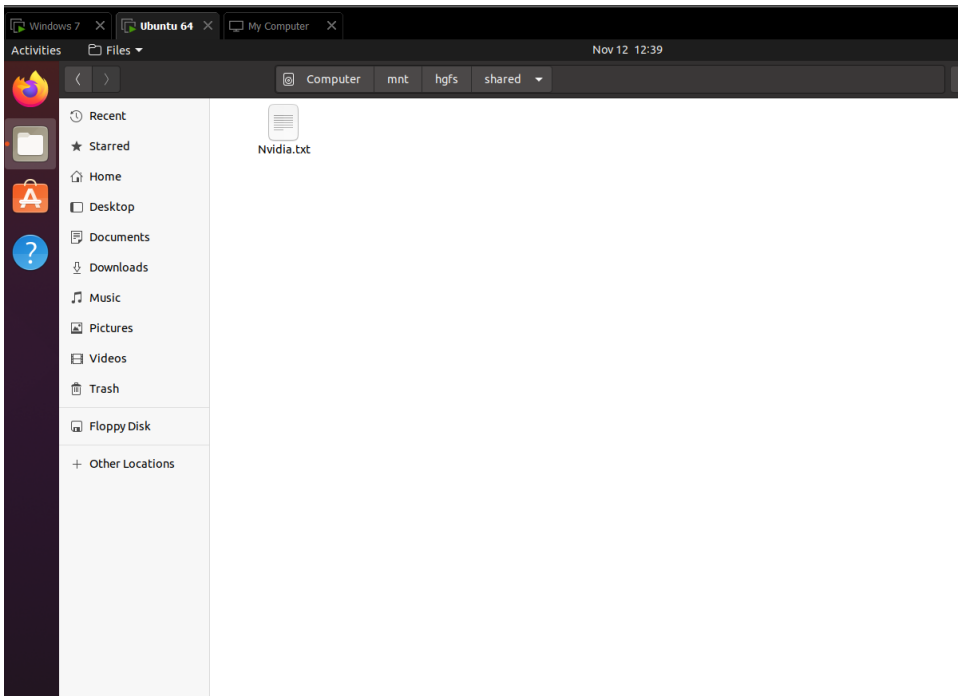
Configurer un partage de fichiers entre la VM et l'hôte.

> - On doit d’abord aller vers les parametre de machine viruelle → options → Shared Folder et le modifier vers “Always enabled” et ajouter le chemain du dossier dans la machine host
> - On doit installer Vmware Tools pour qu’on puisse faire le partage entre la machine host et guest.
> - On peut voire que le fichier est bien partage entre la machine host et guest.


Virtual Machine Settings
Hardware
Options
Settings
Summary
General
Windows 7
Power
Shared Folders
Enabled
Snapshots
AutoProtect
Disabled
Guest Isolation
Access Control
Not encrypted
VMware Tools
Time sync on
VNC Connections
Disabled
Unity
Appliance View
Autologin
Log in as ayhem
Advanced
Default/Default
Folder sharing
Shared folders expose your files to programs in the virtual machine. This may put your computer and your data at risk. Only enable shared folders if you trust the virtual machine with your data.
Disabled
Always enabled
Enabled until next power off or suspend
Map as a network drive in Windows guests
Folders
Name
Host Path
shared
C:\Users\ayhem\Desktop\shared
Add...
Remove
Properties
OK
Cancel
Help

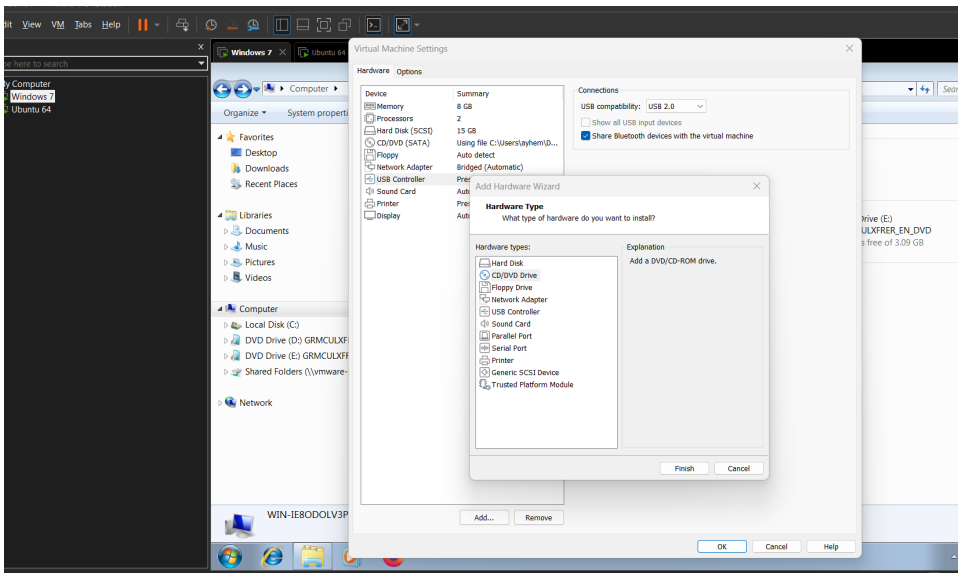

Computer ▸ Shared Folders (\\vmware-host) (Z:) ▸ shared
Organize
New folder
Favorites
Desktop
Downloads
Recent Places
Libraries
Documents
Music
Pictures
Videos
Computer
Local Disk (C:)
DVD Drive (D:) GRMCULXFRER_EN_DVD
Shared Folders (\\vmware-host) (Z:)
Network
Name
Date modified
Type
Size
Nvidia
11/2/2023 4:11 PM
Text Document
1 KB


shared
shared
New
Sort
View
Home
Gallery
OneDrive - Personal
Desktop
Downloads
Documents
Pictures
Music
Videos
CF
Documents
ayhem 2023
TP2
Creative Cloud Files
This PC
Local Disk (C:)
Network
Linux
Name
Date modified
Type
Size
Nvidia
02/11/2023 16:11
Text Document
1 KB
1 item



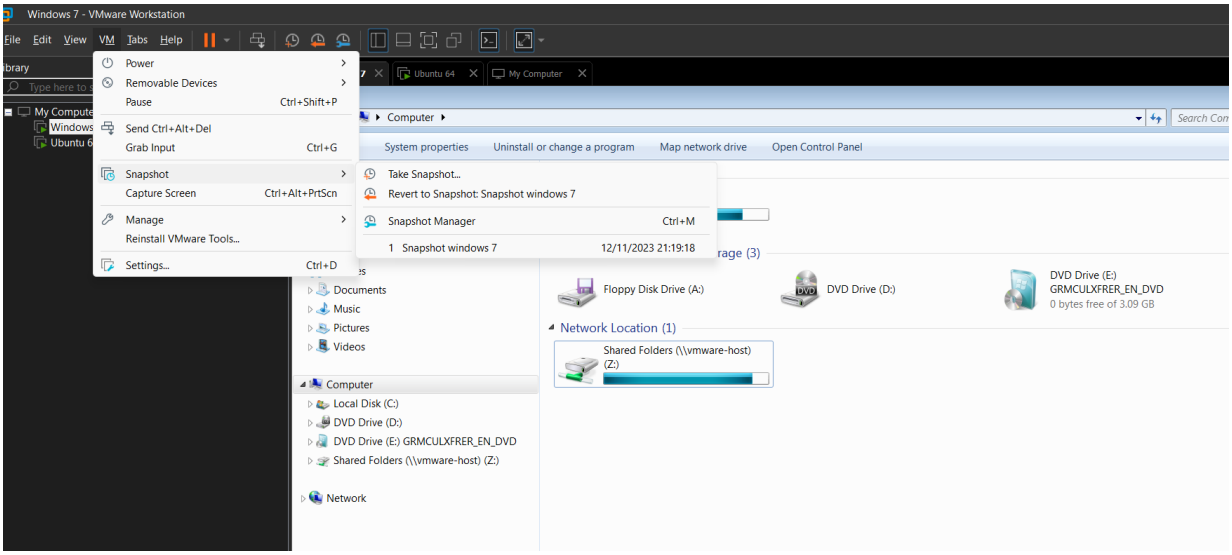
Configurer un partage des périphériques entre la VM et l'hôte.

> On ajoute un nouveau périphériques. et on notice que l'on peut voire sur la machine host et guest



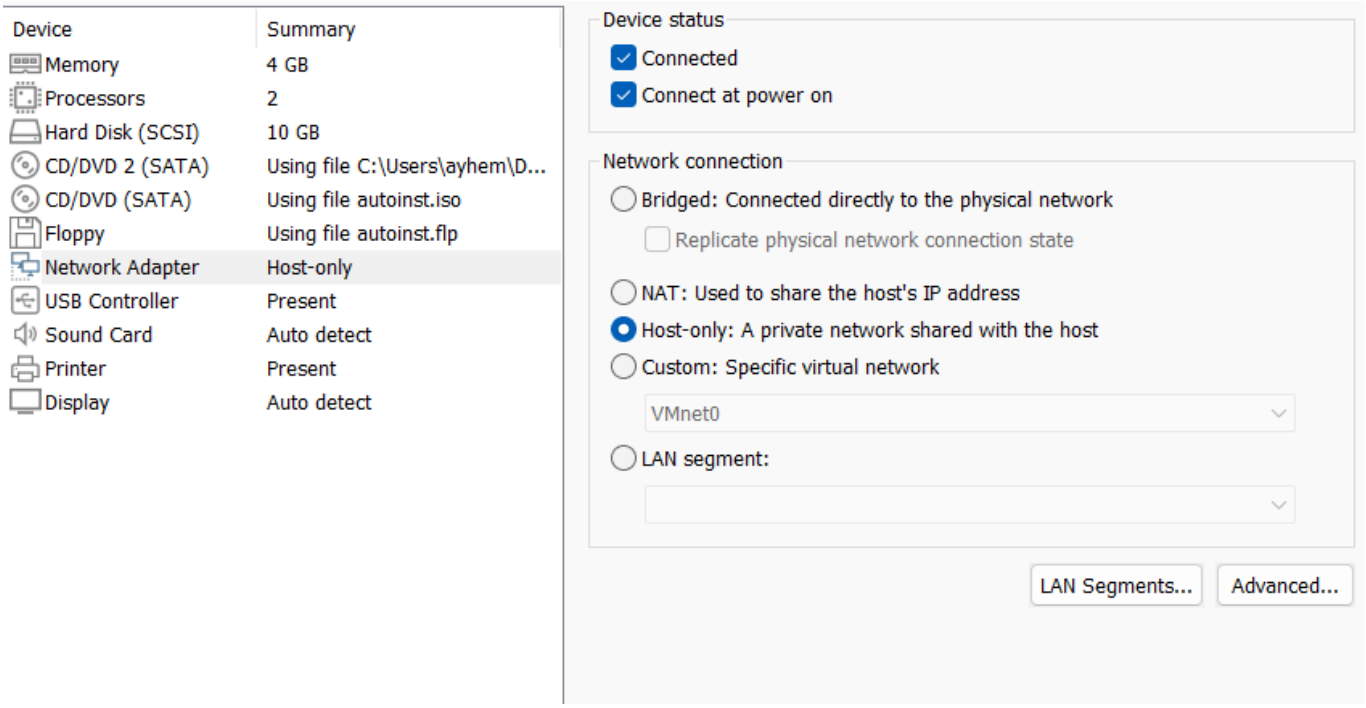
Créer et restaurer une image instantanée (snapshot) pour la VM Windows 7.

> Pour prendre une snapshot dans vmware , on clique sur VM → Snapshot → Take Snapshot



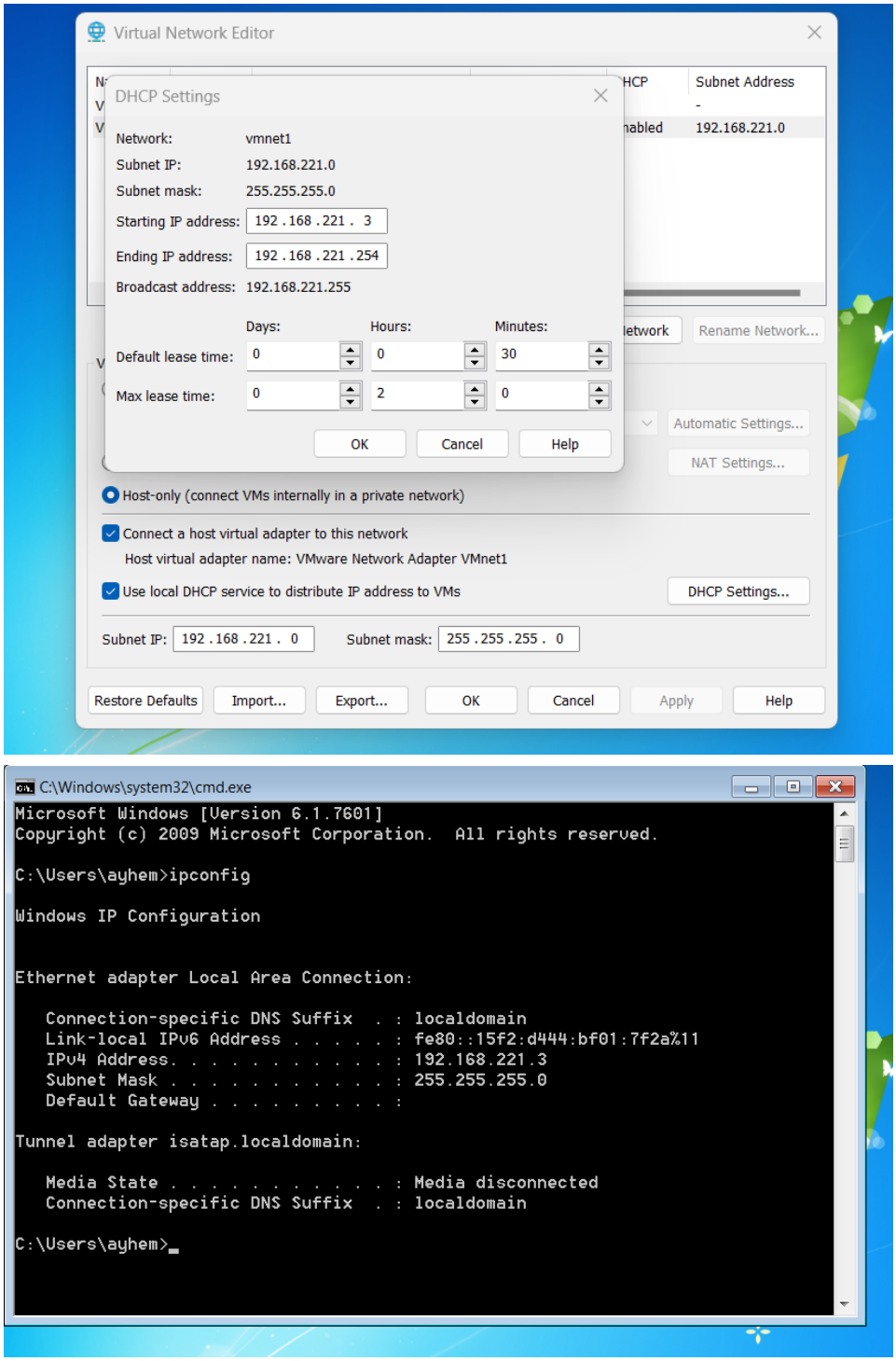
> Pour restaurer un snaphshot on clique sur : revert to Snapshot : Snapshot windows 7 , et on va voire qu'on a reviendrai dans la meme etat et la position ou on a creee le snapshot

Mettre les VMs dans un réseau privé (Host-Only) :

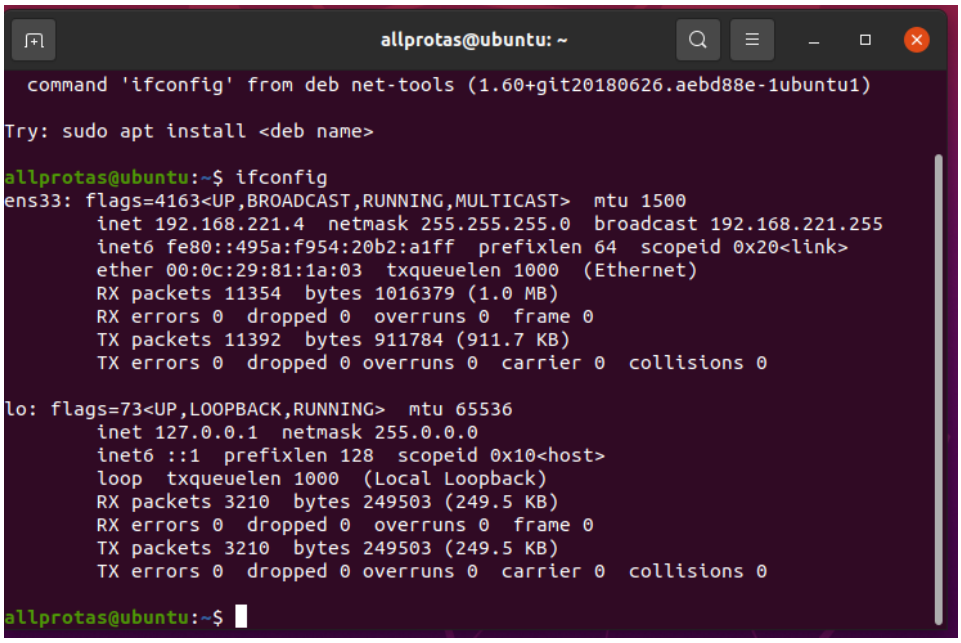


> l'intervalle de reseau et de 192.168.157.128 → 192.168.157.254

Ip address pour Windows 7 et Ubuntu



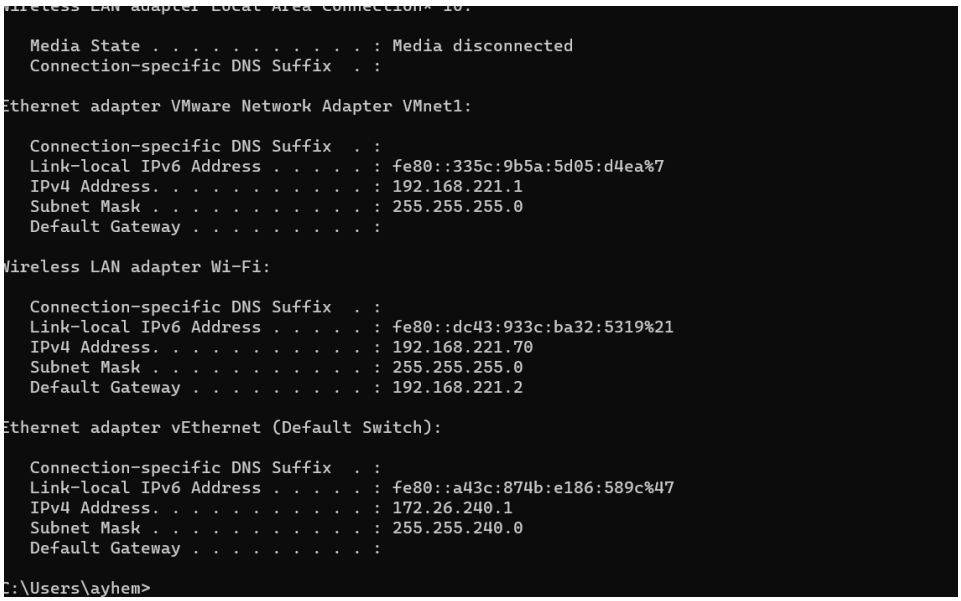
192.168.221.3

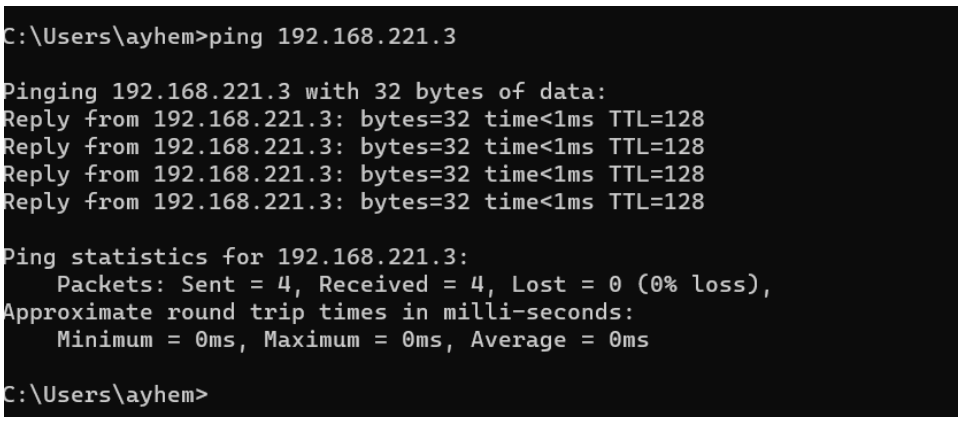


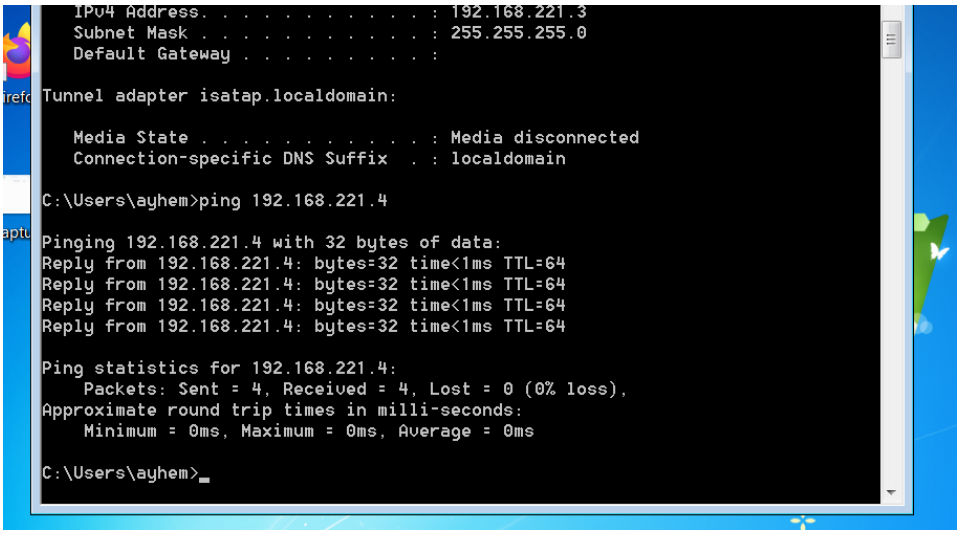
192.168.221.4

> toutes le machine sont dans le meme reseau

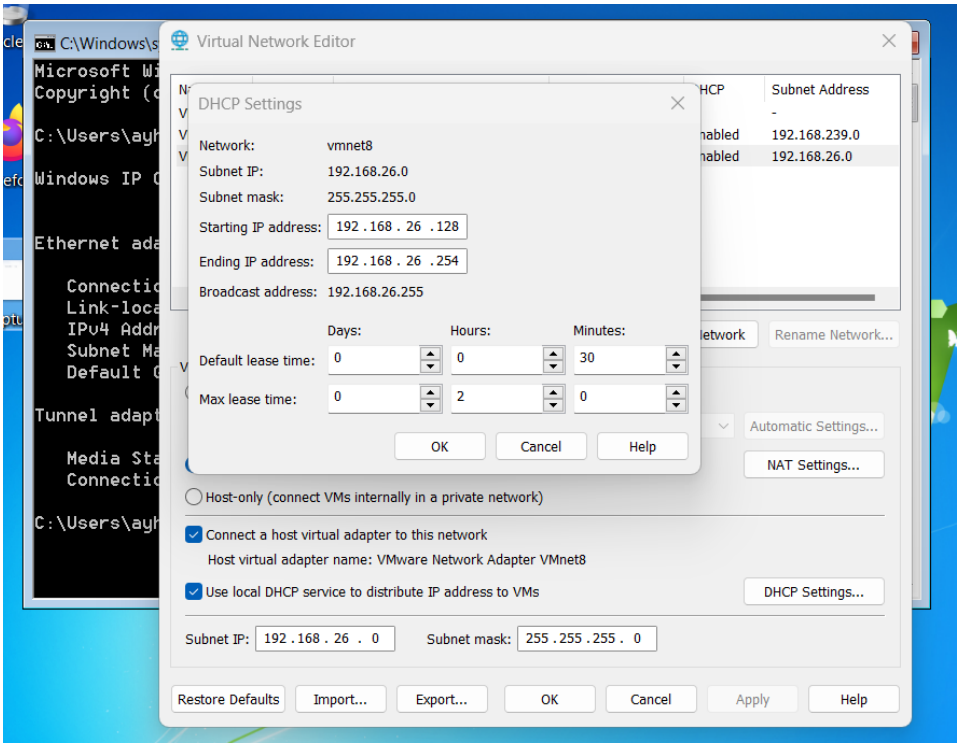
> On teste la connectivite

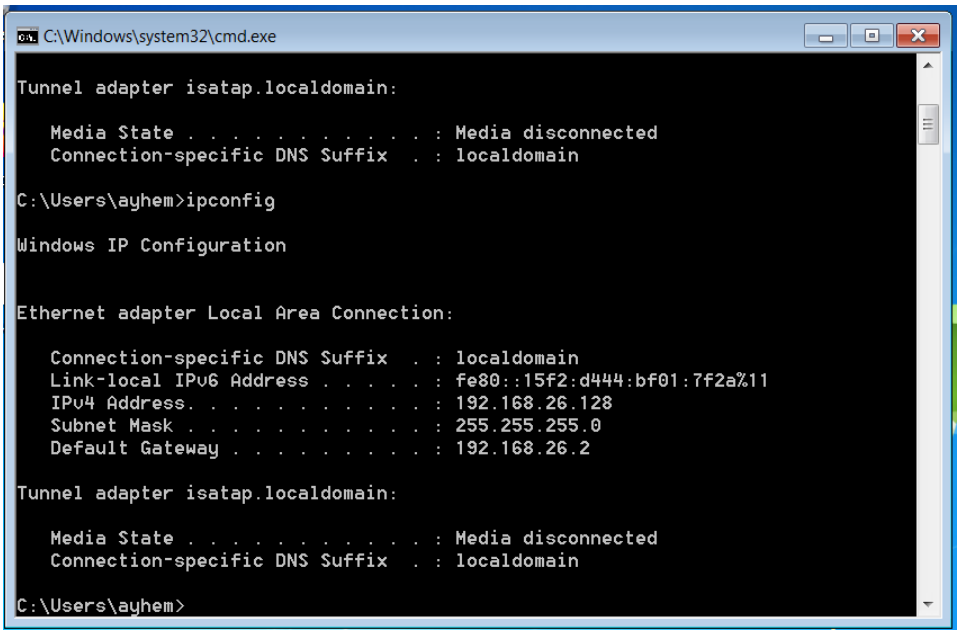




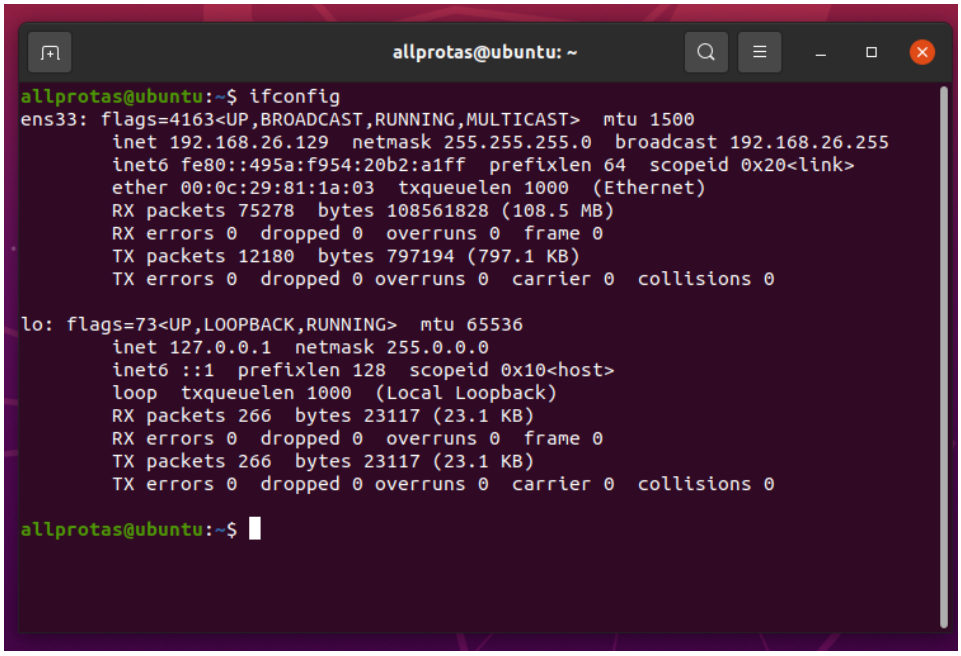


Mettre les VMs sur le mode de réseau virtuel NAT

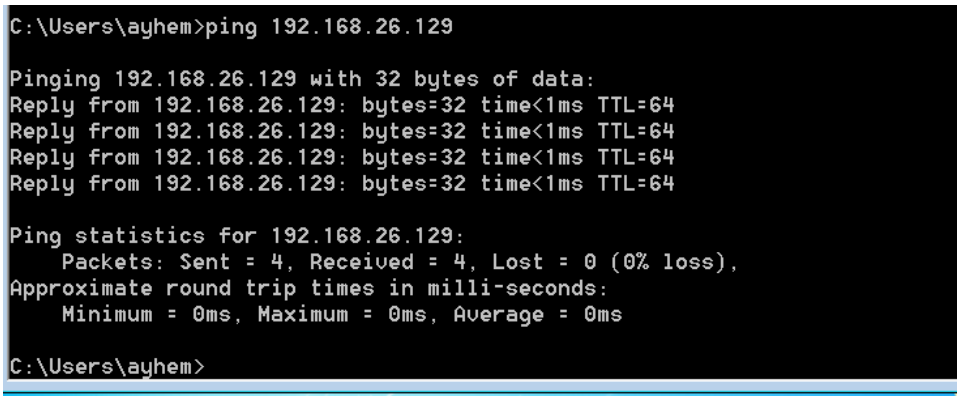




192.168.26.128



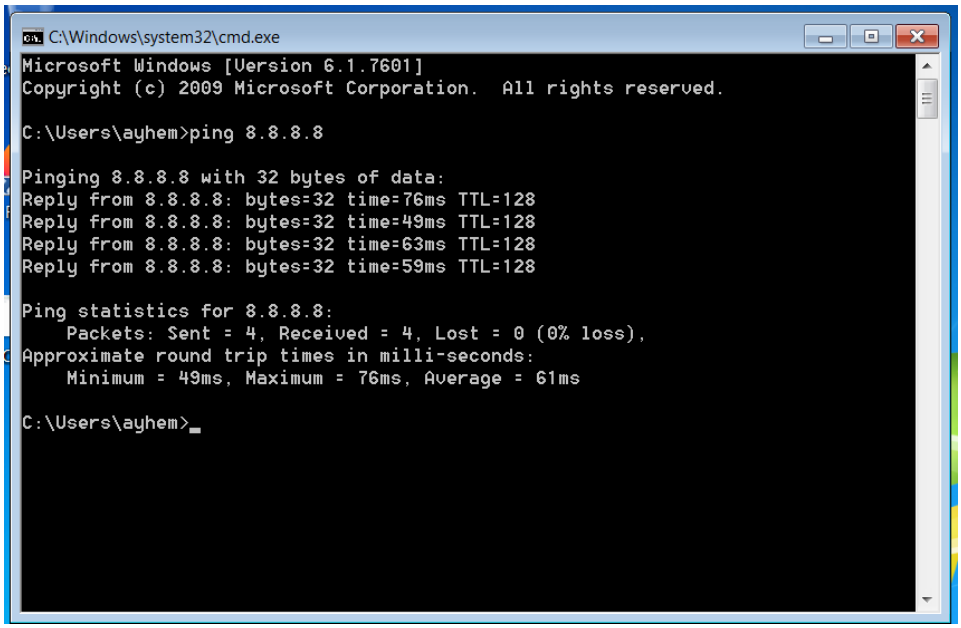
192.168.26.129



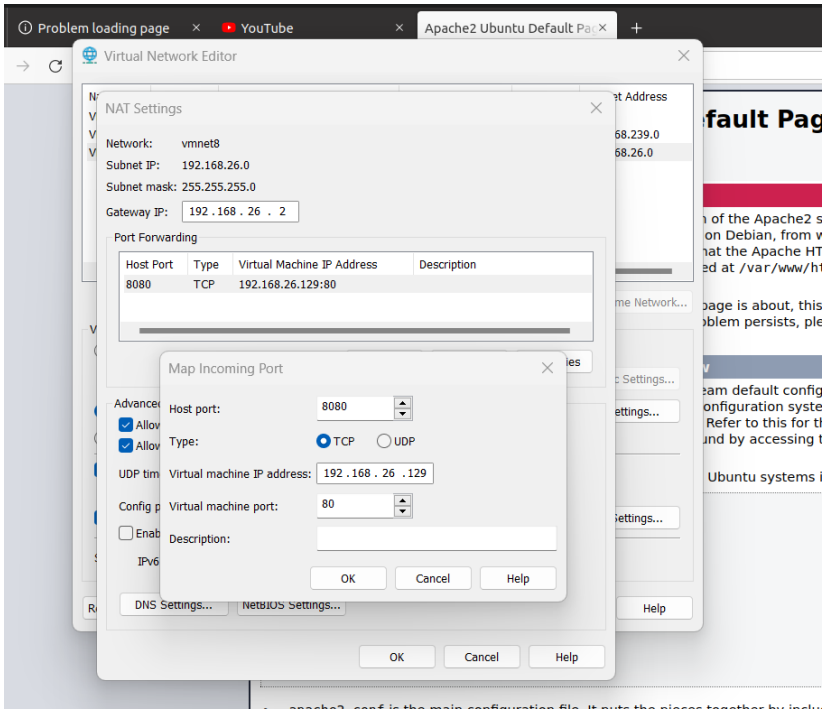
> ping de les vm vers l'hote

```
C:\Users\ayhem>ping 192.168.221.70

Pinging 192.168.221.70 with 32 bytes of data:
Reply from 192.168.221.70: bytes=32 time=1ms TTL=128
Reply from 192.168.221.70: bytes=32 time=1ms TTL=128
Reply from 192.168.221.70: bytes=32 time=1ms TTL=128
Reply from 192.168.221.70: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.221.70:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 1ms, Average = 0ms

C:\Users\ayhem>_
```

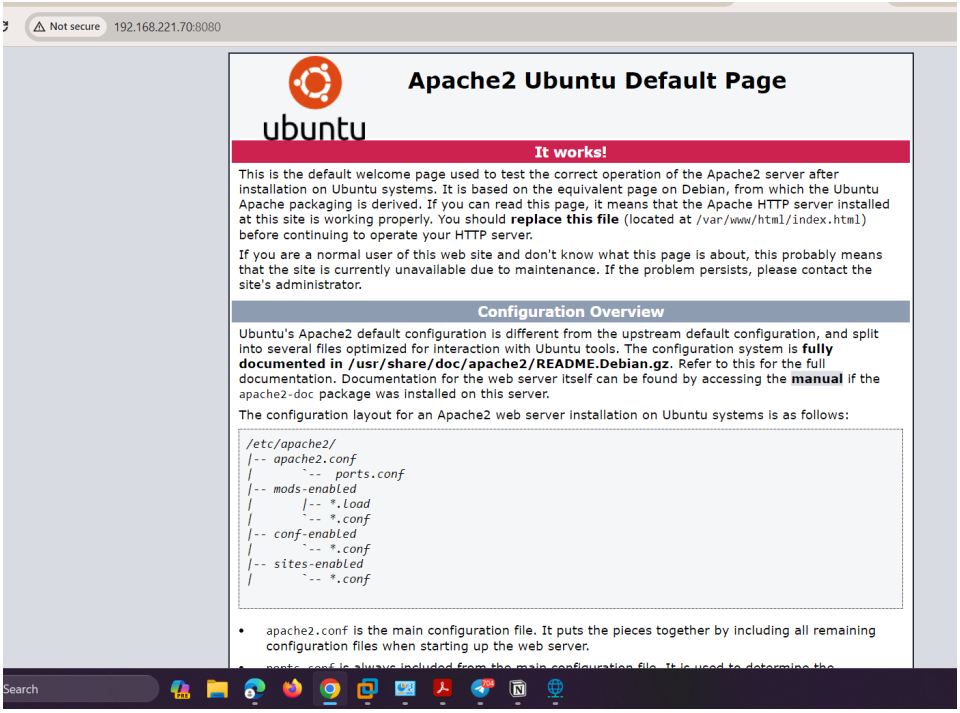
> acceder vers l'internet a partir les vms



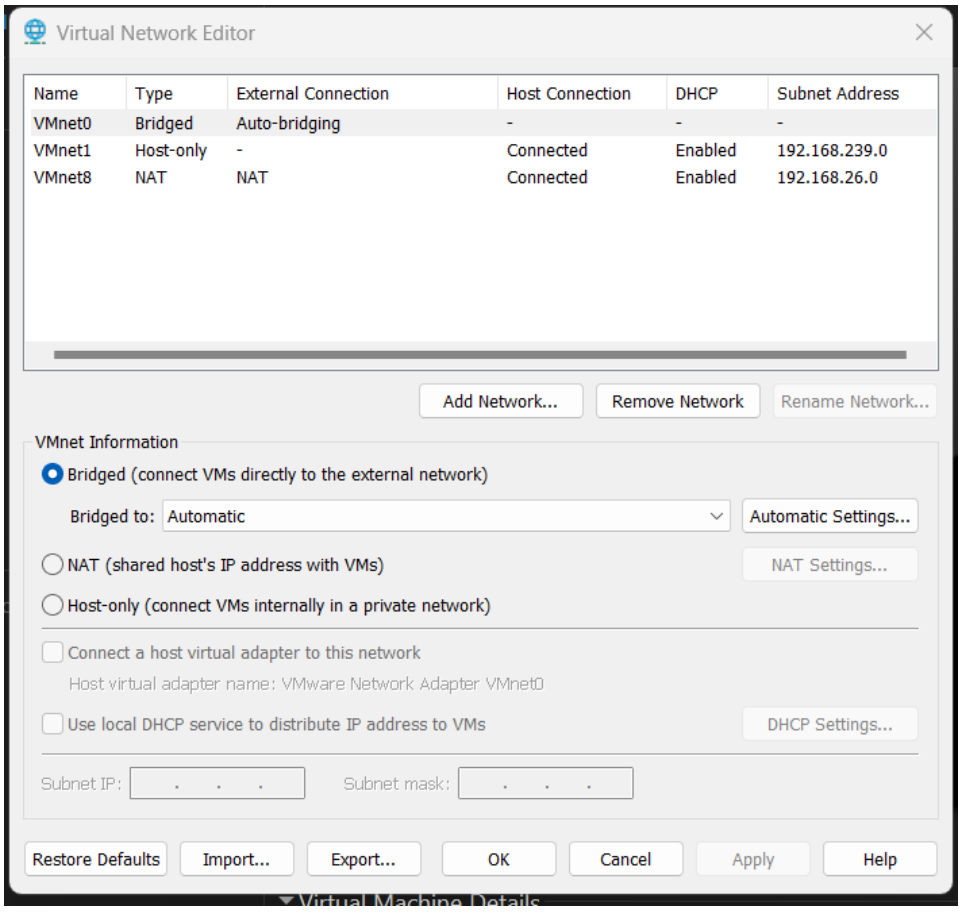
Port forwarding



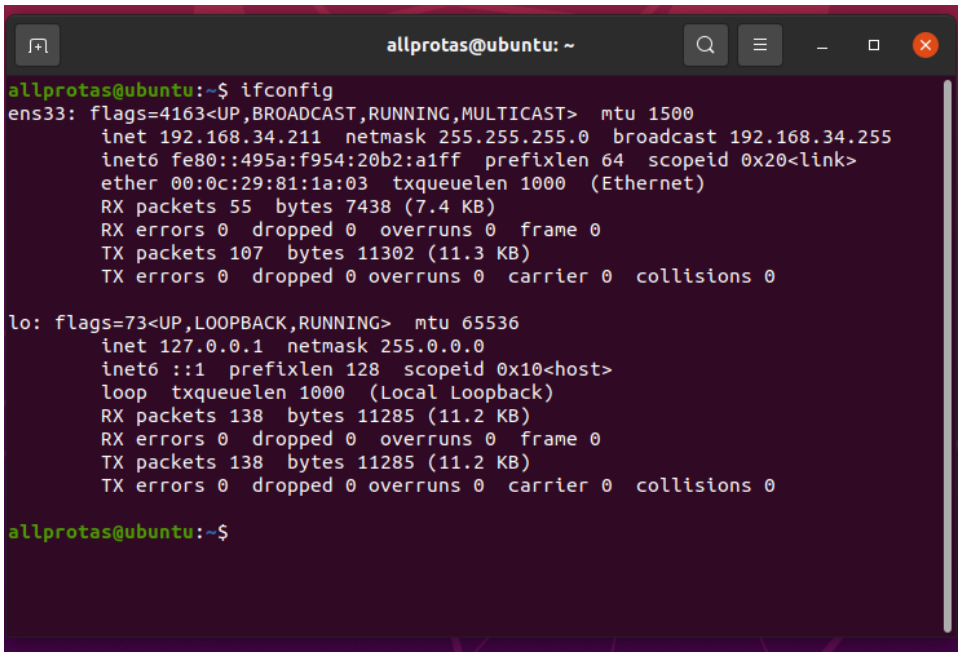
> on peut acceder vers le server apache a travers notre host



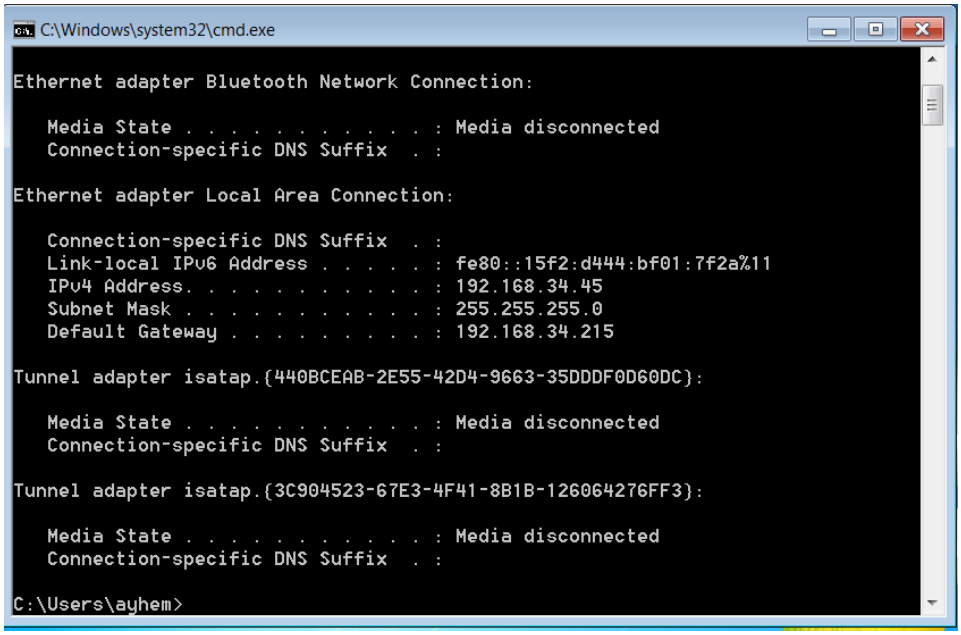
8. Mettre les VMs sur le mode de réseau virtuel Bridged.



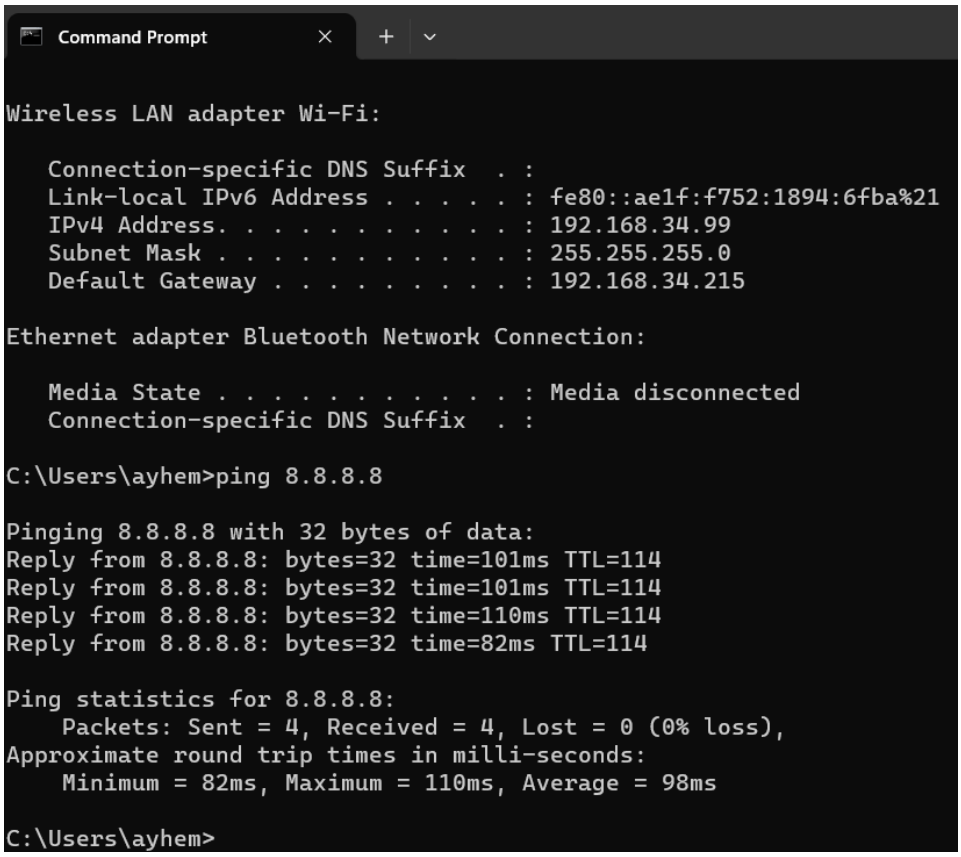
L’attribution des addresses IPHost



Ubuntu→ 192.168.34.211



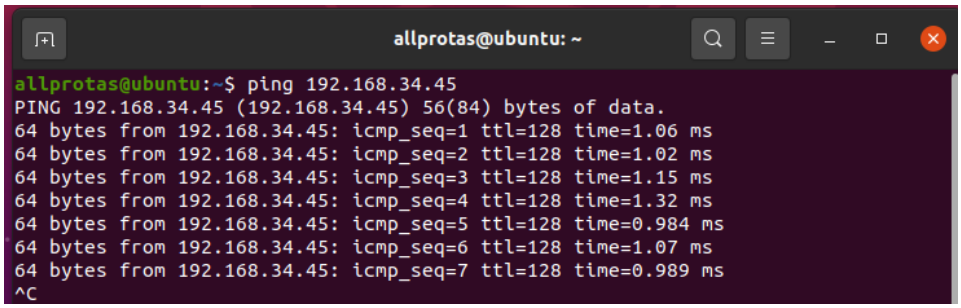
Windows7 → 192.168.34.45



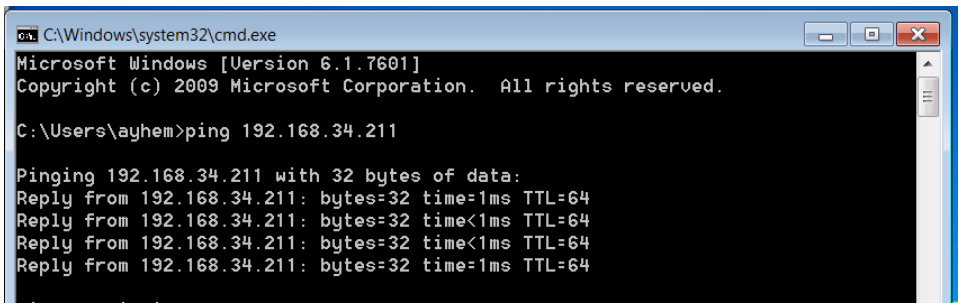
Host → 192.168.34.99

> Toutes les machine sont dans le meme sous reseau , et la machine host est connecte a l'internet (on peut pinger 8.8.8.8) Le pasrelle par default est : 192.168.34.215

Teste de connectivite entre les machines



> ping ubuntu vers windows7



> ping windows7 vers ubuntu

```
C:\Users\ayhem>ping 192.168.34.45

Pinging 192.168.34.45 with 32 bytes of data:
Reply from 192.168.34.45: bytes=32 time<1ms TTL=128
Reply from 192.168.34.45: bytes=32 time<1ms TTL=128
Reply from 192.168.34.45: bytes=32 time<1ms TTL=128
Reply from 192.168.34.45: bytes=32 time<1ms TTL=128

Ping statistics for 192.168.34.45:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms

C:\Users\ayhem>ping 192.168.34.211

Pinging 192.168.34.211 with 32 bytes of data:
Reply from 192.168.34.211: bytes=32 time<1ms TTL=64
Reply from 192.168.34.211: bytes=32 time<1ms TTL=64
Reply from 192.168.34.211: bytes=32 time<1ms TTL=64
Reply from 192.168.34.211: bytes=32 time<1ms TTL=64

Ping statistics for 192.168.34.211:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 0ms, Maximum = 0ms, Average = 0ms
```

> ping windows ver ubuntu et windows7

Teste de connectivite vers l'internet

```
C:\Users\ayhem>ping google.com

Pinging google.com [216.58.198.78] with 32 bytes of data:
Reply from 216.58.198.78: bytes=32 time=74ms TTL=114
Reply from 216.58.198.78: bytes=32 time=78ms TTL=114
Reply from 216.58.198.78: bytes=32 time=119ms TTL=114
Reply from 216.58.198.78: bytes=32 time=78ms TTL=114

Ping statistics for 216.58.198.78:
    Packets: Sent = 4, Received = 4, Lost = 0 (0% loss),
Approximate round trip times in milli-seconds:
    Minimum = 74ms, Maximum = 119ms, Average = 87ms

C:\Users\ayhem>
```

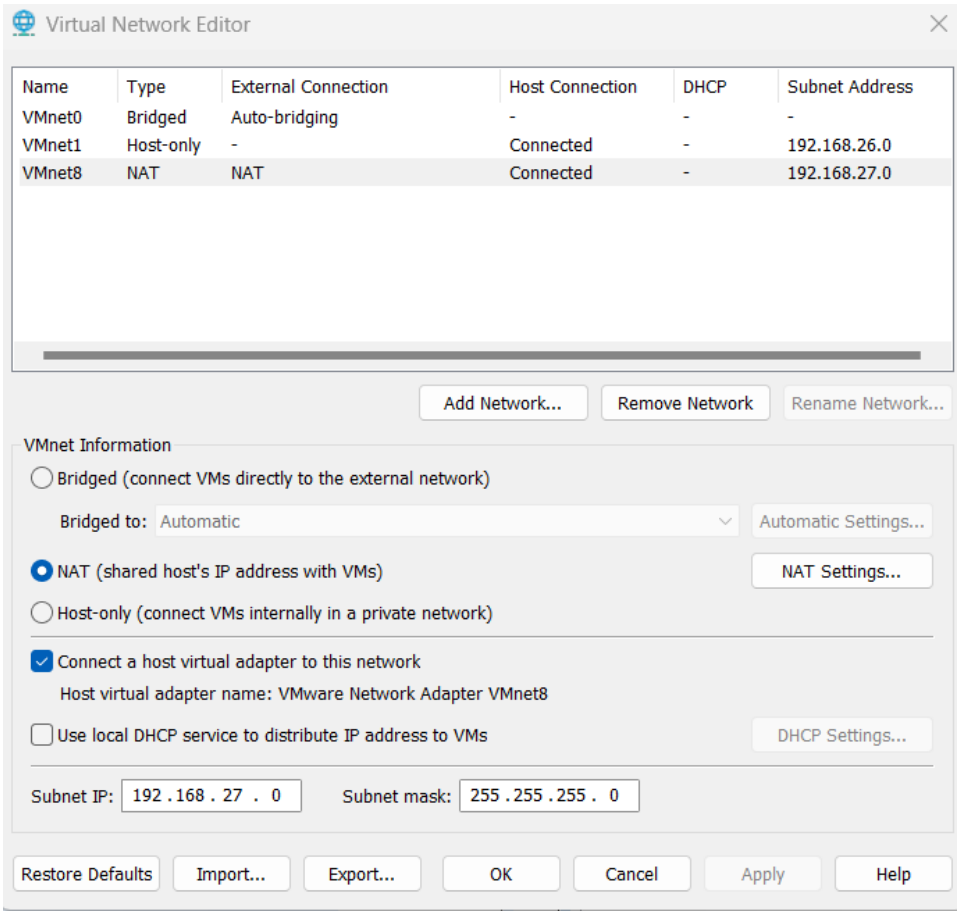
> Windows7 peut connecter a l'internet

```
allprotas@ubuntu:~$ ping google.com
PING google.com (216.58.198.78) 56(84) bytes of data.
64 bytes from mrs09s08-in-f14.1e100.net (216.58.198.78): icmp_seq=1 ttl=114 time=126 ms
64 bytes from mrs09s08-in-f14.1e100.net (216.58.198.78): icmp_seq=2 ttl=114 time=101 ms
64 bytes from mrs09s08-in-f14.1e100.net (216.58.198.78): icmp_seq=3 ttl=114 time=136 ms
64 bytes from mrs09s08-in-f14.1e100.net (216.58.198.78): icmp_seq=4 ttl=114 time=95.5 ms
64 bytes from mrs09s08-in-f14.1e100.net (216.58.198.78): icmp_seq=5 ttl=114 time=106 ms
64 bytes from mrs09s08-in-f14.1e100.net (216.58.198.78): icmp_seq=6 ttl=114 time=87.7 ms
64 bytes from mrs09s08-in-f14.1e100.net (216.58.198.78): icmp_seq=7 ttl=114 time=81.9 ms
64 bytes from mrs09s08-in-f14.1e100.net (216.58.198.78): icmp_seq=8 ttl=114 time=94.7 ms
64 bytes from mrs09s08-in-f14.1e100.net (216.58.198.78): icmp_seq=9 ttl=114 time=167 ms
64 bytes from mrs09s08-in-f14.1e100.net (216.58.198.78): icmp_seq=10 ttl=114 time=89.7 ms
64 bytes from mrs09s08-in-f14.1e100.net (216.58.198.78): icmp_seq=11 ttl=114 time=84.0 ms
64 bytes from mrs09s08-in-f14.1e100.net (216.58.198.78): icmp_seq=12 ttl=114 time=137 ms
^C
```

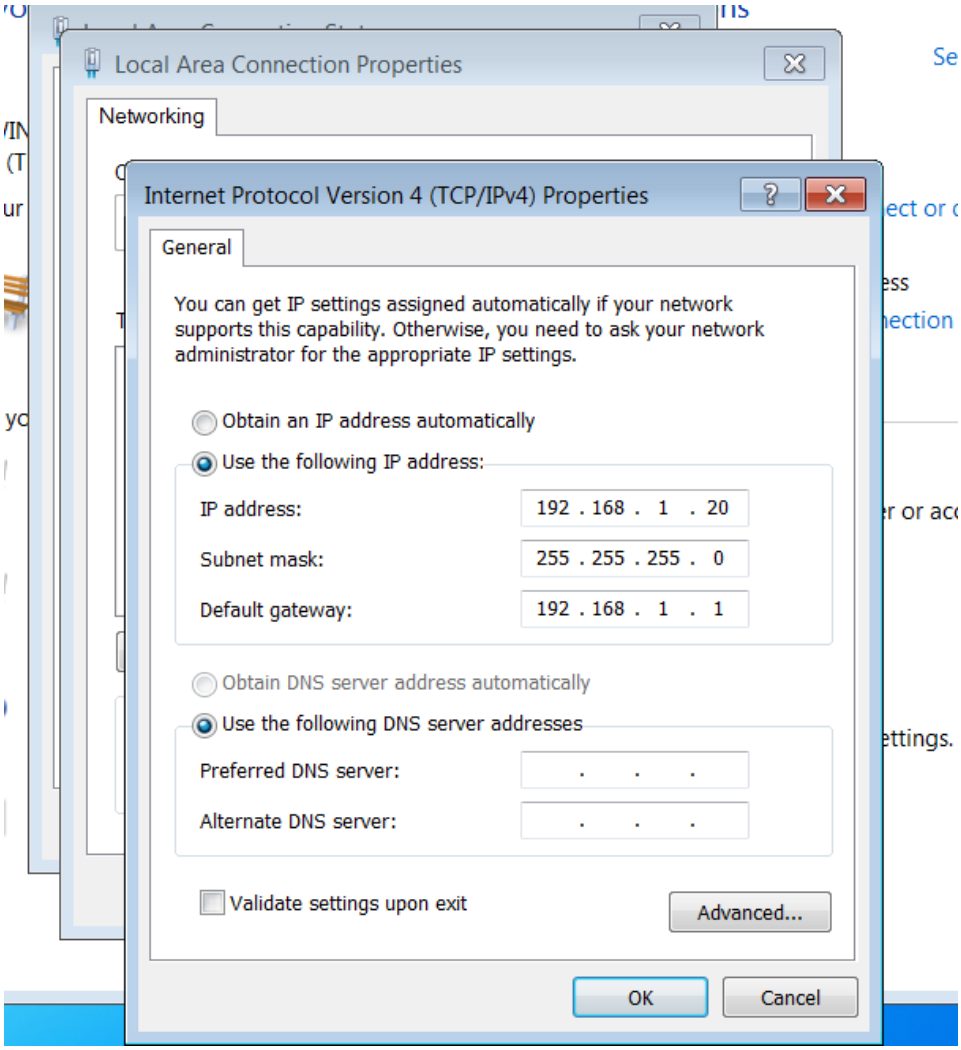
> Ubuntu peut connecter a l'internet

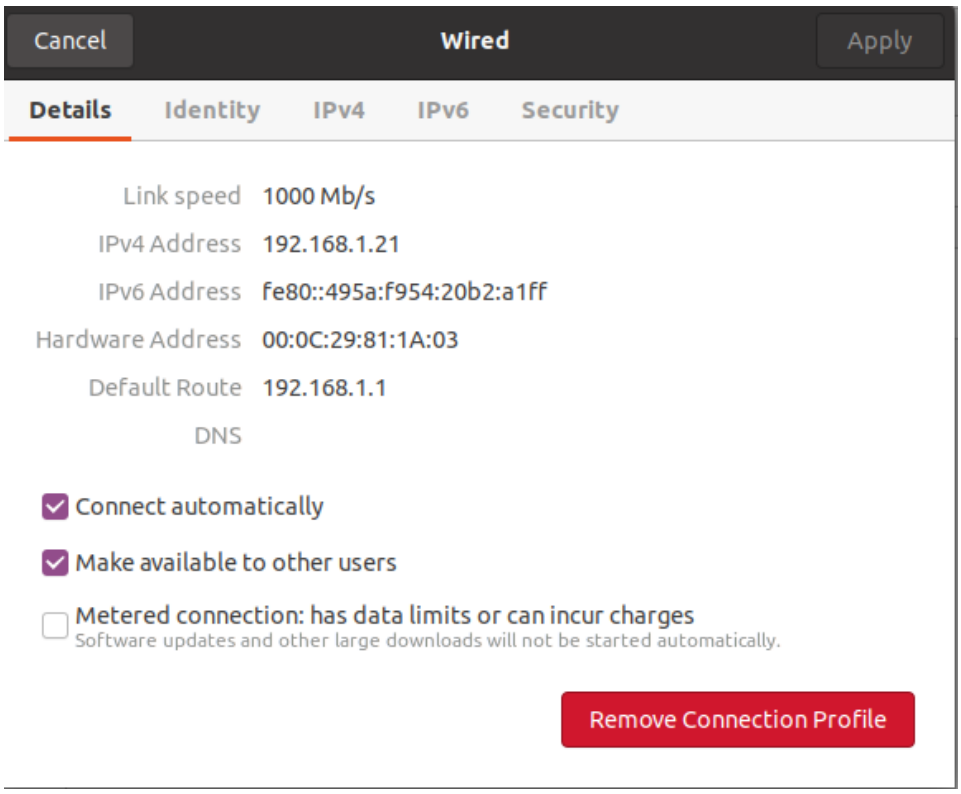
9. Mettre les deux VMs sur deux modes de réseau virtuel différents (une VM sur le Nat et autre sur Host-Only)

> Le server DHCP est desactive dans les deux vm Windows7 → NAT Ubuntu → Host-Only



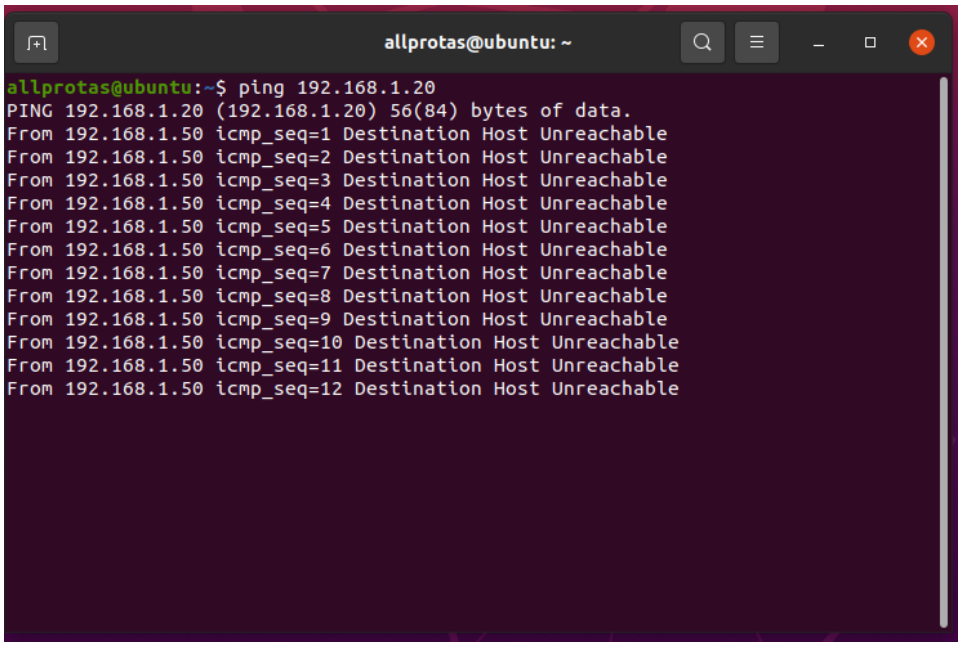
> On va attribuer un ip static pour chacune des machines virtuelles





ip ubuntu : 192.168.1.21

ip windows7 : 192.168.1.20



> On peut pas faire une connection entre le windows et ubuntu