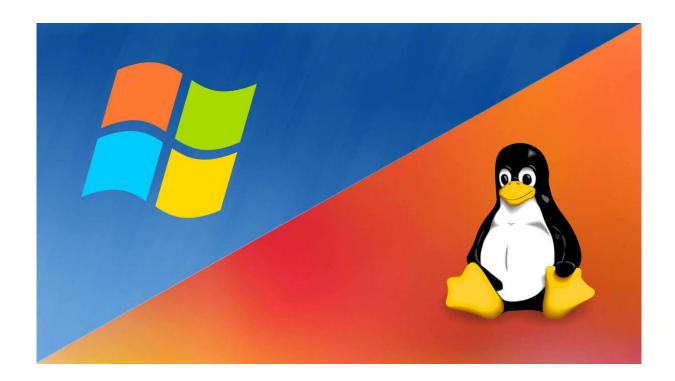
Création d'un Guide d'Installation d'une Machine Virtuelle en Dual Boot Win11 et Fedora Linux sur VirtualBox



Mayoraz Thomas – MIN1B Lausanne 18 périodes Projet Libre

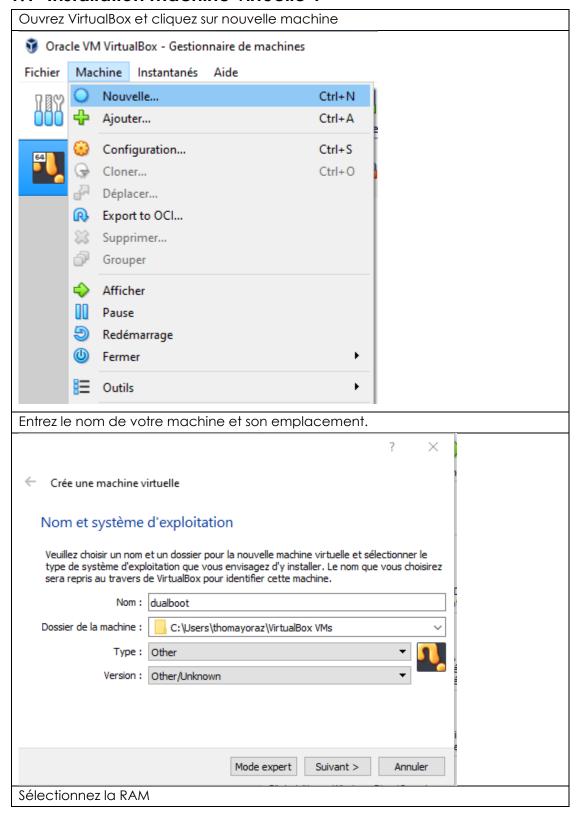
Table des matières

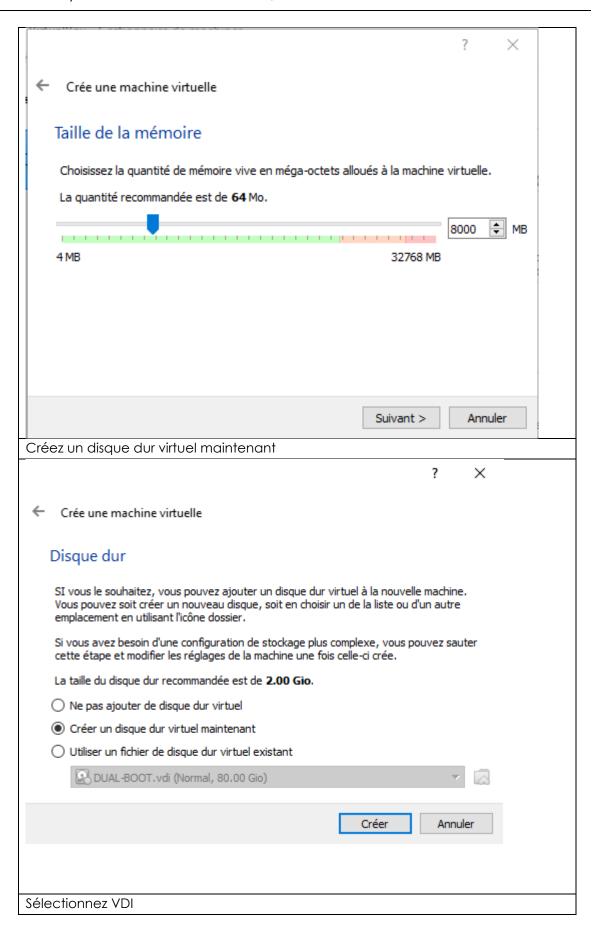
1	RÉ <i>A</i>	ALISATION GUIDE D'INSTALLATION	3
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	1.2	INSTALLATION DE WINDOWS 11	
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Création: 17.01.2025

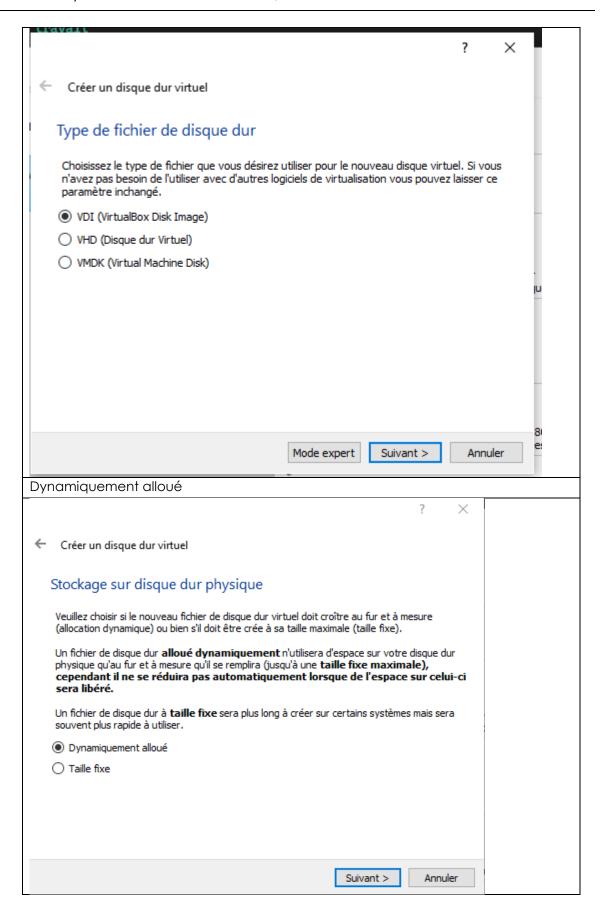
1 RÉALISATION | GUIDE D'INSTALLATION

1.1 Installation machine virtuelle 1

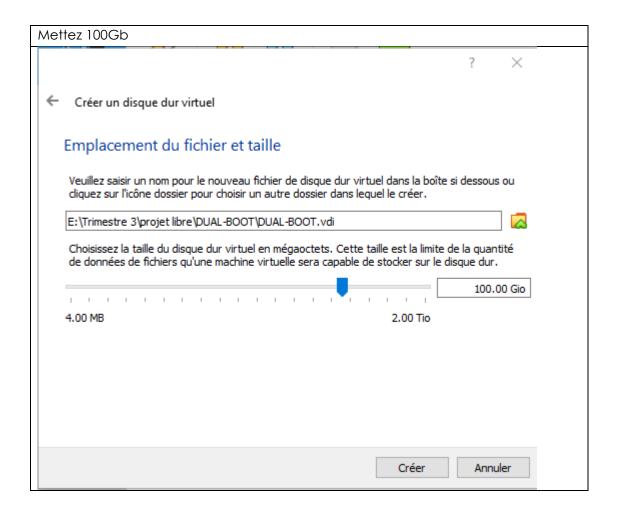




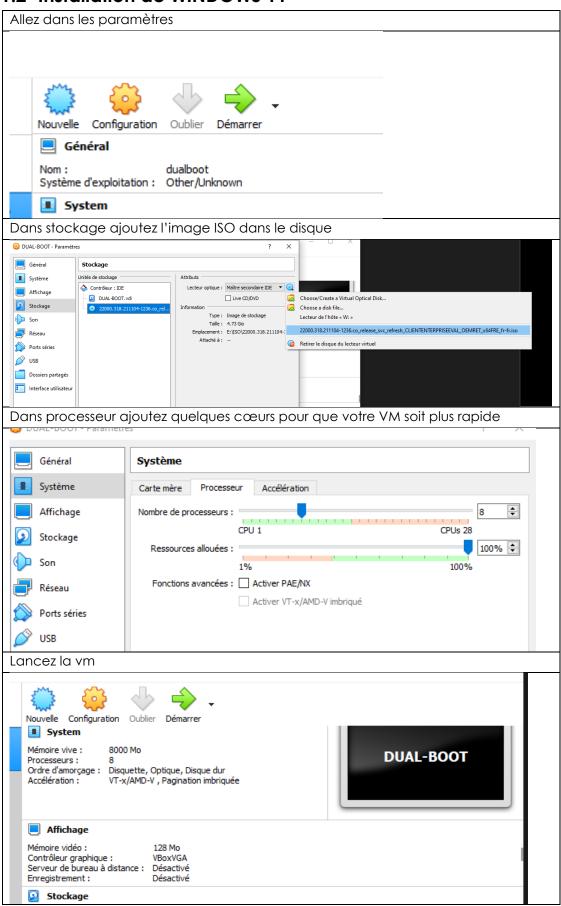
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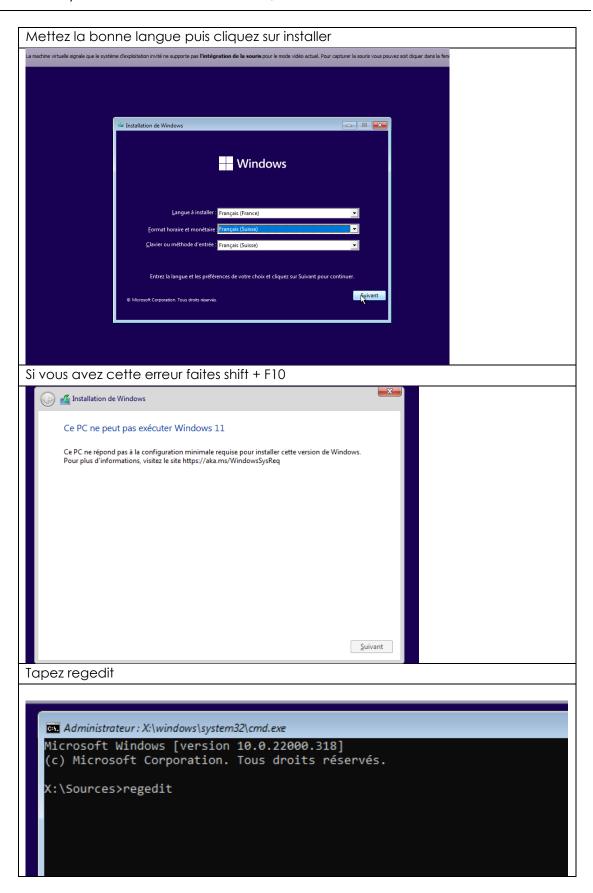


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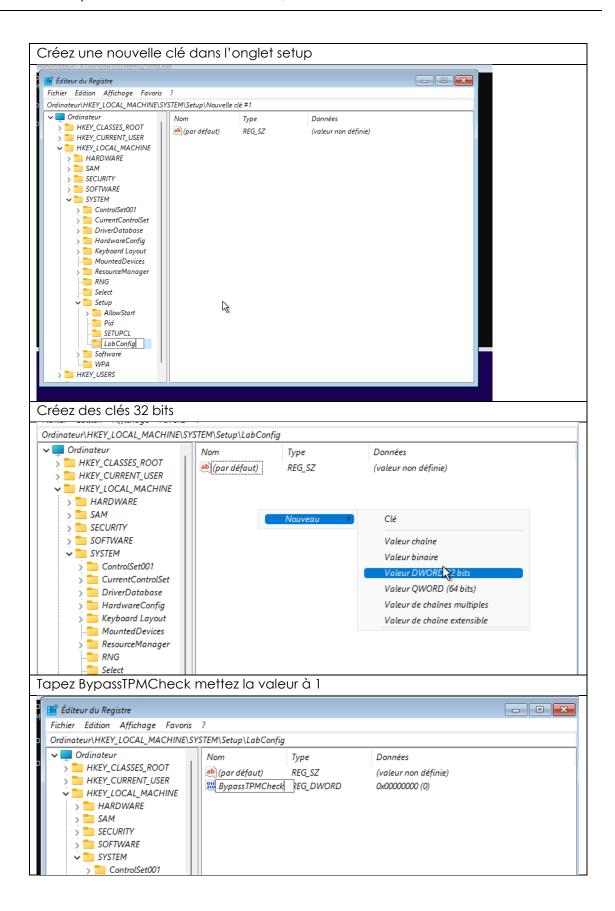


1.2 Installation de WINDOWS 11

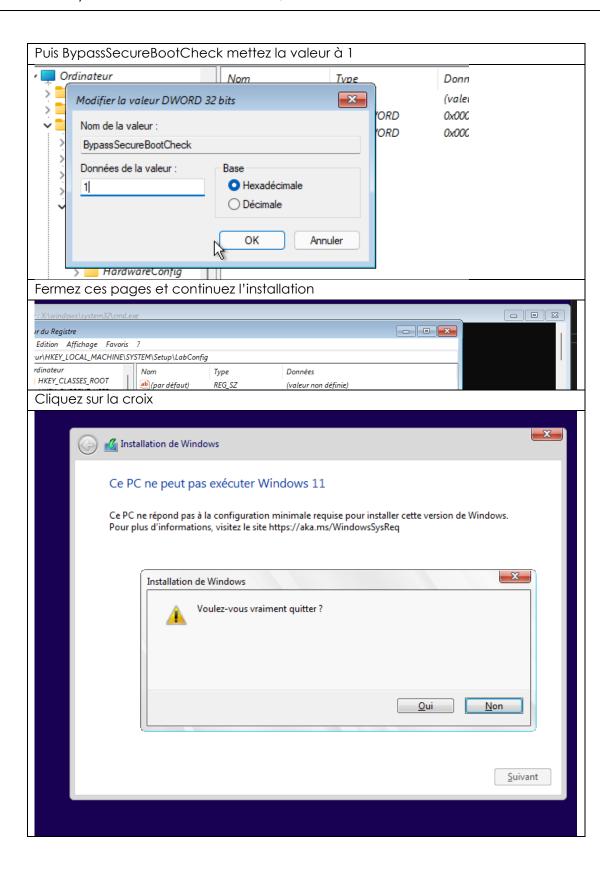




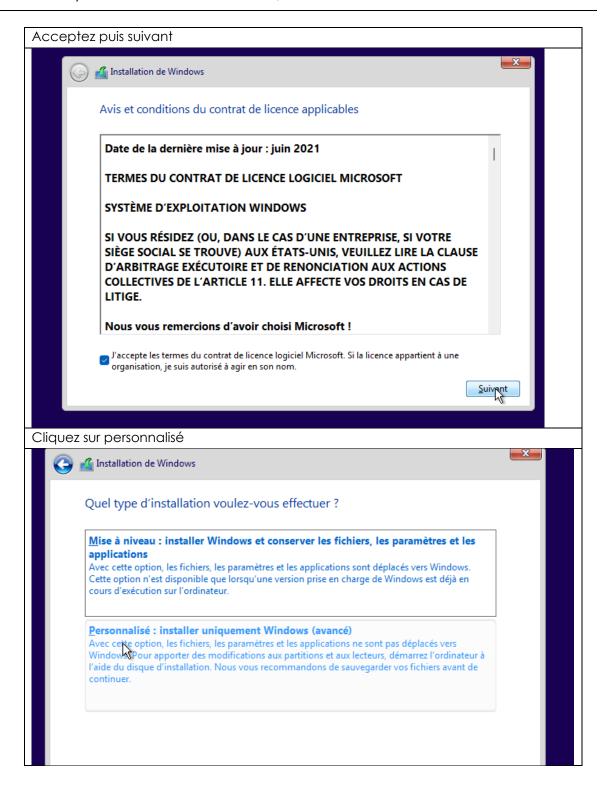
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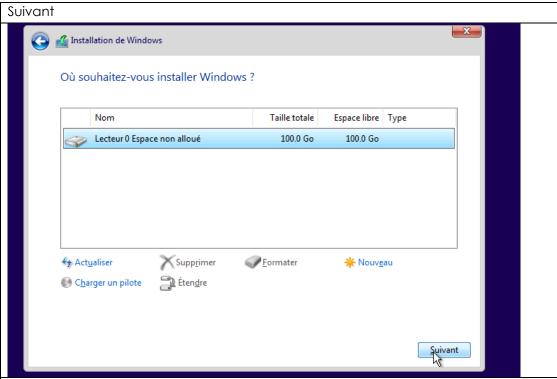


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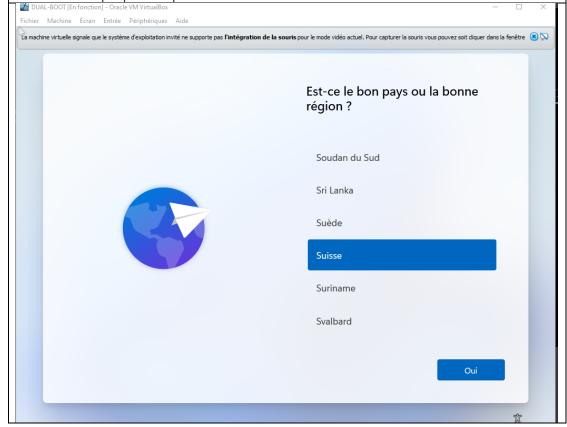


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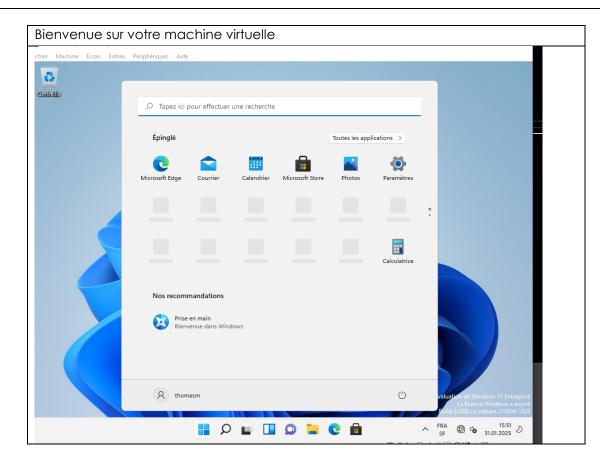




Patientez le temps de l'installation, quand vous arrivez ici suivez les étapes d'installation proposées par Windows.

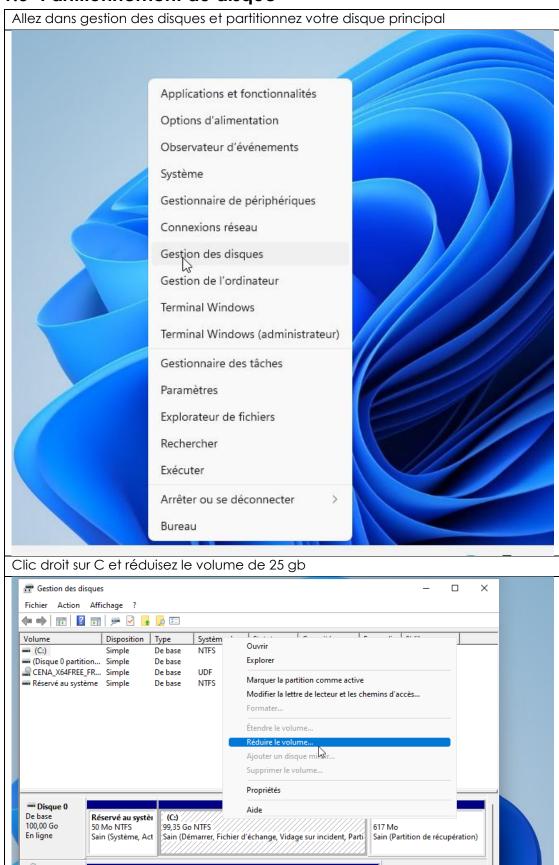


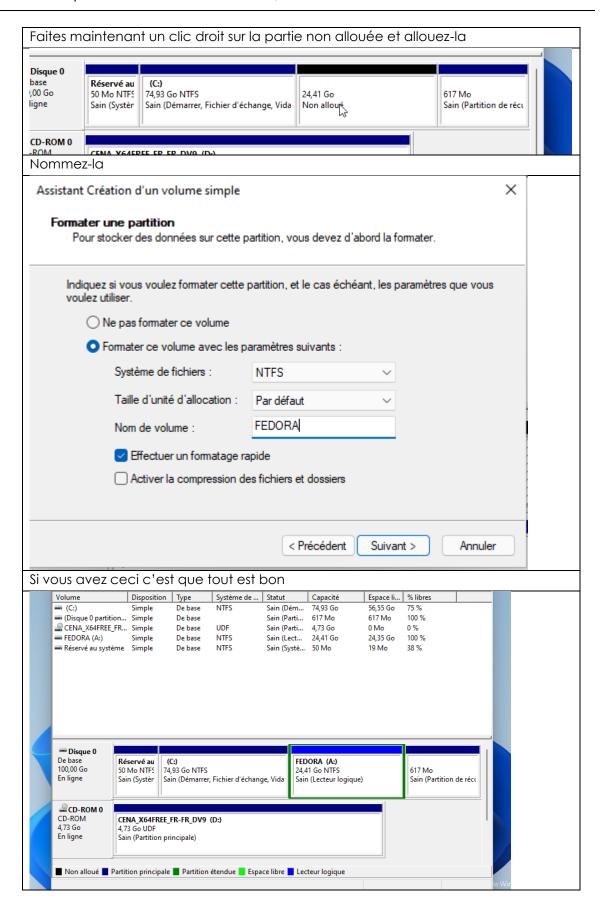
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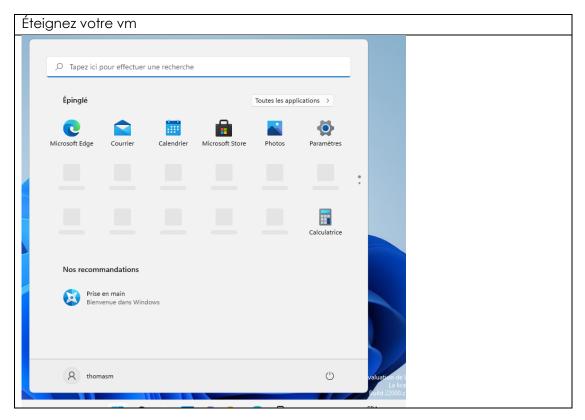
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1.3 Partitionnement du disque

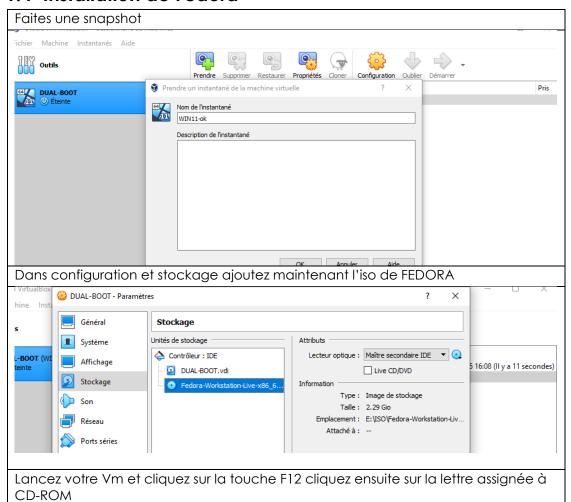




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1.4 Installation de Fedora



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```
VirtualBox temporary boot device selection
Detected Hard disks:
    IDE controller:
       1) Primary Master
Other boot devices:
f) Floppy
c) CD-ROM
l) LAN
  b) Continue booting
start
                                                  GRUB version 2.12
    *Start Fedora-Workstation-Live 41
Test this media & start Fedora-Workstation-Live 41
Troubleshooting -->
         Use the 1 and 1 keys to select which entry is highlighted. Press enter to boot the selected OS, 'e' to edit the commands before booting or 'c' for a command-line.
Patientez
```

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```
🕝 fedora
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            🖸 🗿 🕼 🗗 🤌 🗐 🖳 🚰 🥙 💽 c
                                                                    I Started chronyd.service - MTP client/server.

1 Started firewalld.service - firewalld - dynamic firewall daemon.

1 Reached target network-pre.target - Preparation for Network.

Starting NetworkHanager.service - Network Manager...

1 Listening on systemd-rfkill.socket - Load/Save RF Kill Switch Status /dev/rfkill Watch.

Starting NetworkHanager-dispatcher.service - Network Manager Script Dispatcher Service...

1 Started NetworkHanager.service - Network Manager.

1 Reached target network.target - Network.

Starting NetworkHanager-wait-online.service - Network Manager Wait Online...

Starting NetworkHanager-wait-online.service - Network Manager Wait Online...
                                                                 Reached target network.target - Network.
Starting MetworkManager-wait-online.service - Network Manager Wait Online...
Starting gssproxy.service - GSSAPI Proxy Daemon...
Starting tuned.service - Dynamic System Tuning Daemon...

Started NetworkManager-dispatcher.service - Network Manager Script Dispatcher Service.

Started gssproxy.service - GSSAPI Proxy Daemon.

Reached target nfs-client.target - NFS client services.

Reached target remote-fs-pre.target - Preparation for Remote File Systems.

Reached target remote-fs-pre.target - Preparation for Remote File Systems.

Reached target remote-fs-pre.target - Network Manager Wait Online.

Reached target network-online.service - Network Manager Wait Online.

Reached target remote-fs.target - Remote File Systems.

Starting rpc-statd-notify.service - Notify NFS peers of a restart...

Starting systemd-user-sessions.service - Permit User Sessions...

Starting virtgemud.service - libvirt QEMU daemon...

Finished systemd-user-sessions.service - Permit User Sessions.

Starting plymouth-quit-wait.service - Hold until boot process finishes up...

Started plymouth-quit-wait.service - Hold until boot process finishes up...

Started tuned.service - Dynamic System Tuning Daemon.

Started tuned-ppd.service - PPD-to-TuneD API Translation Daemon...

Started tuned-ppd.service - Iibvirt QEMU daemon.

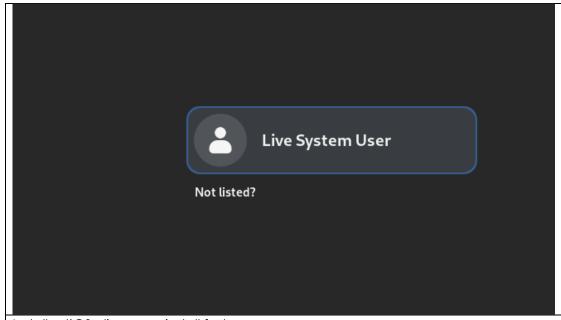
Reached target multi-user.target - Multi-User System.

Reached target graphical Interface.

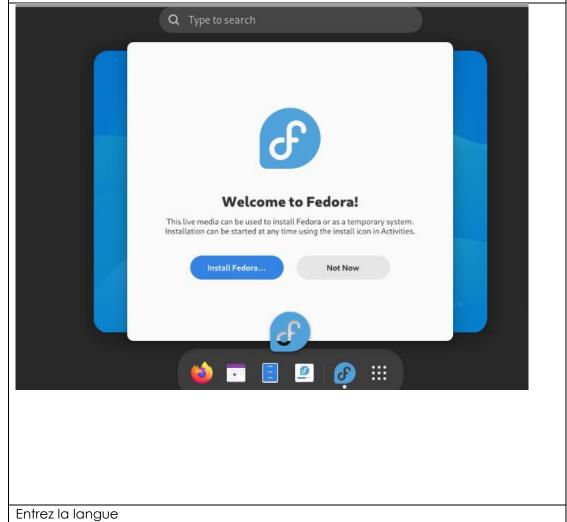
Starting systemd-update-utmp-runlevel.service - Record Runlevel Change in UTMP...

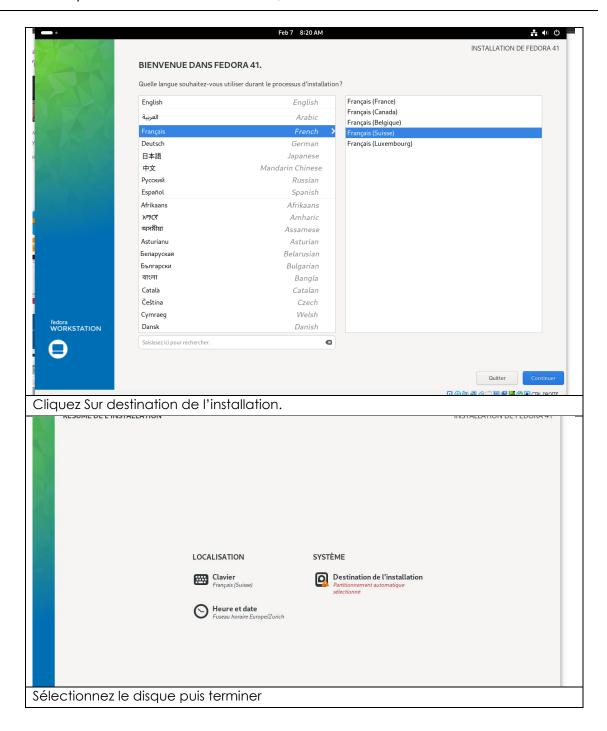
Finished systemd-update-utmp-runlevel.service - Record Runlevel Change in UTMP...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         🖸 🧿 📜 🗗 🤌 📄 🗐 🖆 闪 🕙 💽 CTRL DROITE
Cliquez ici
```

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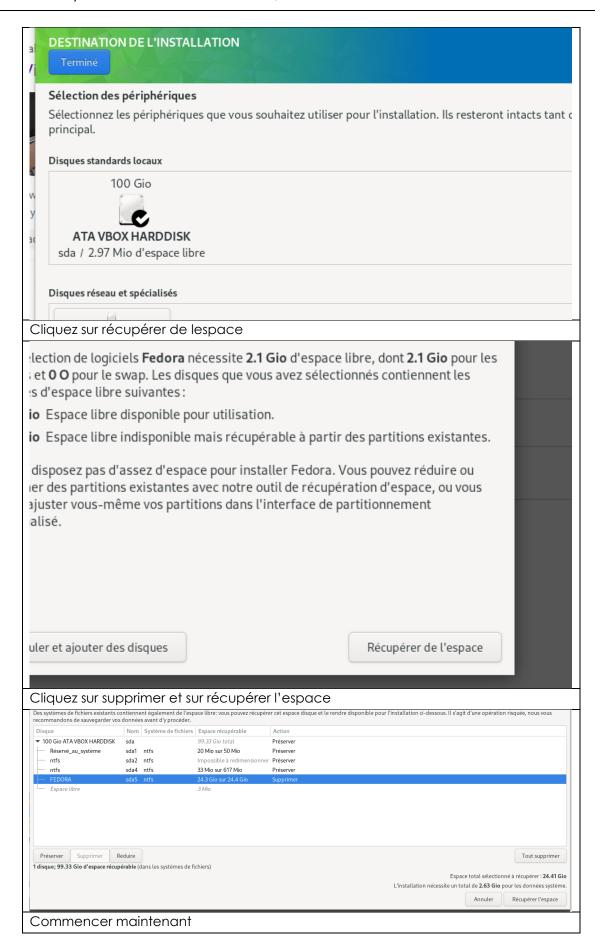


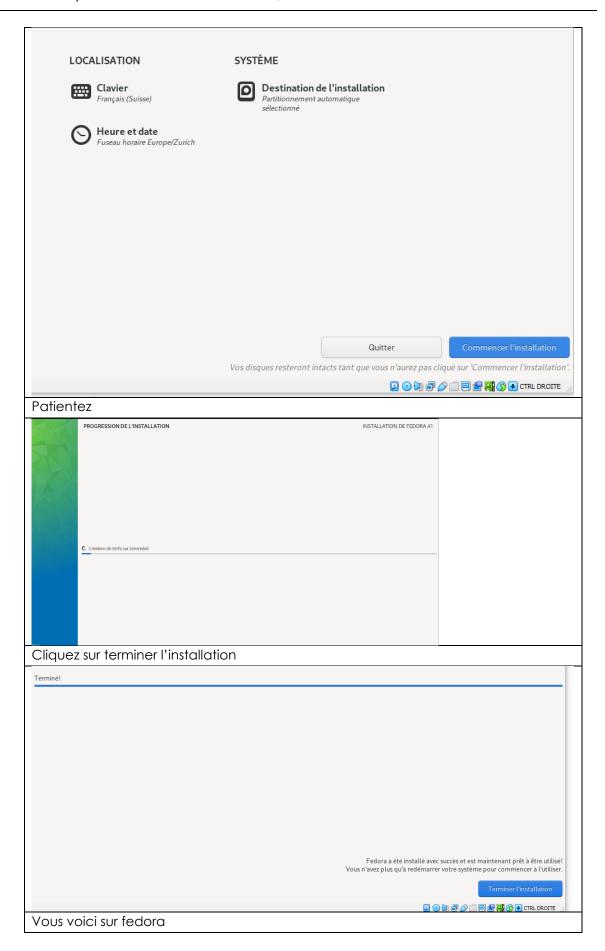
Installez l'OS cliquez sur install fedora



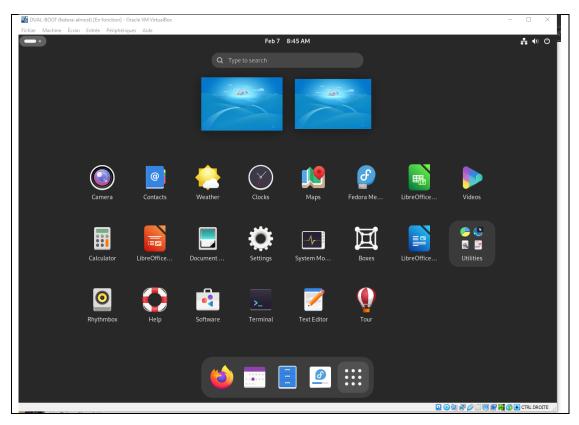


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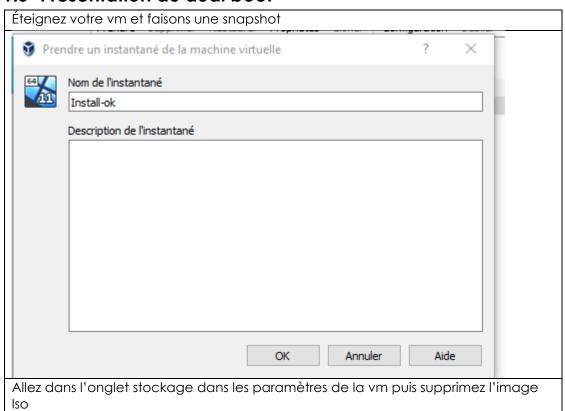




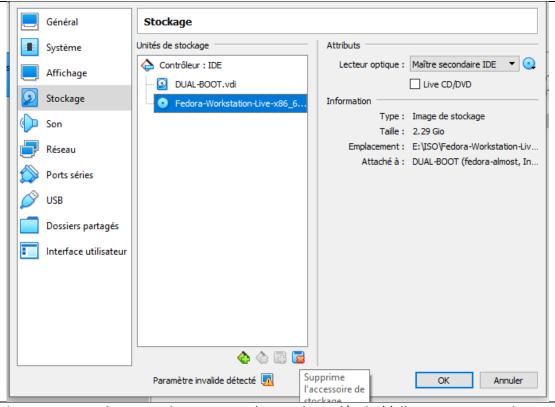
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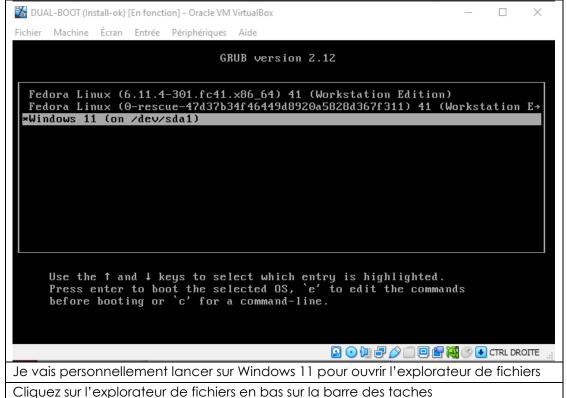
1.5 Présentation du dual boot

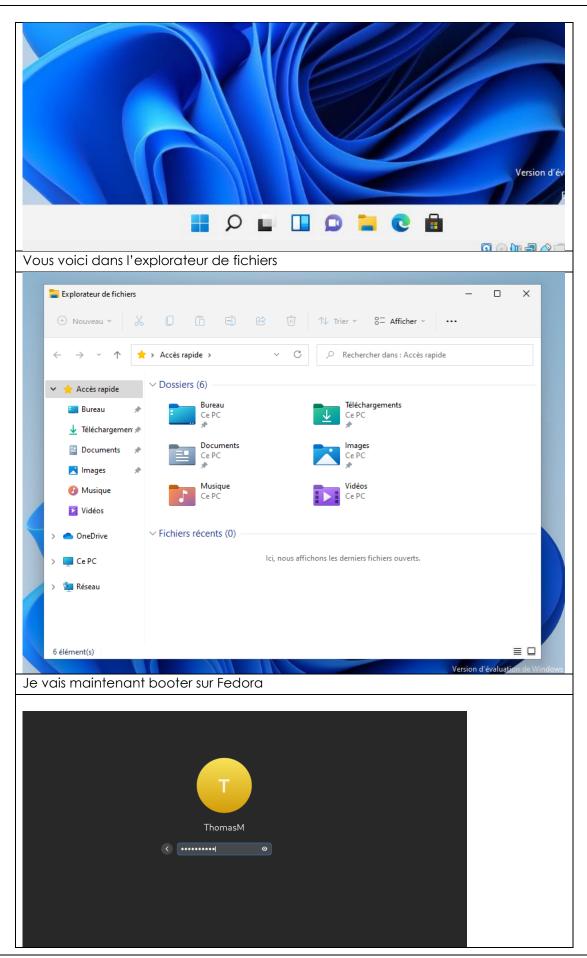


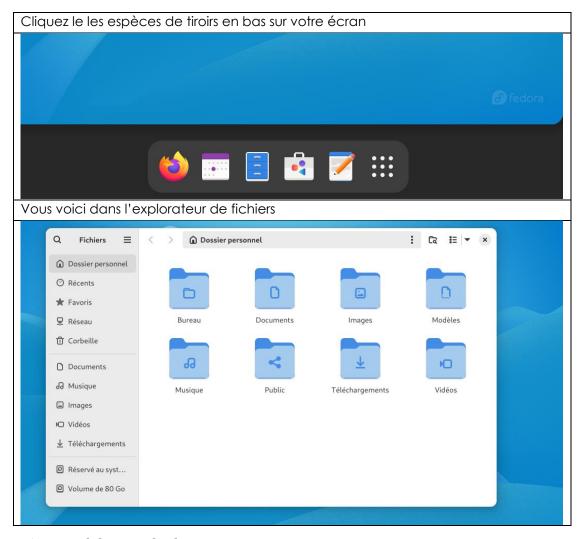
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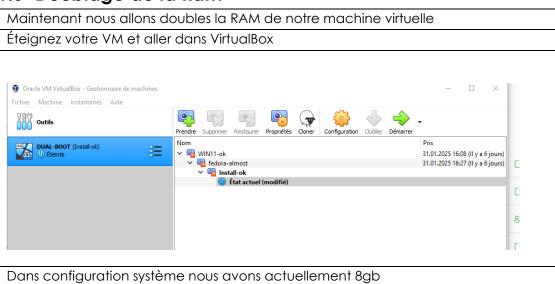
Lorsque vous relancez votre vm vous n'avez plus qu'à choisir l'os que vous voulez. Soit le premier soit le dernier. Le deuxième étant une version de débogage de Fedora qu'il ne nous sert pas.



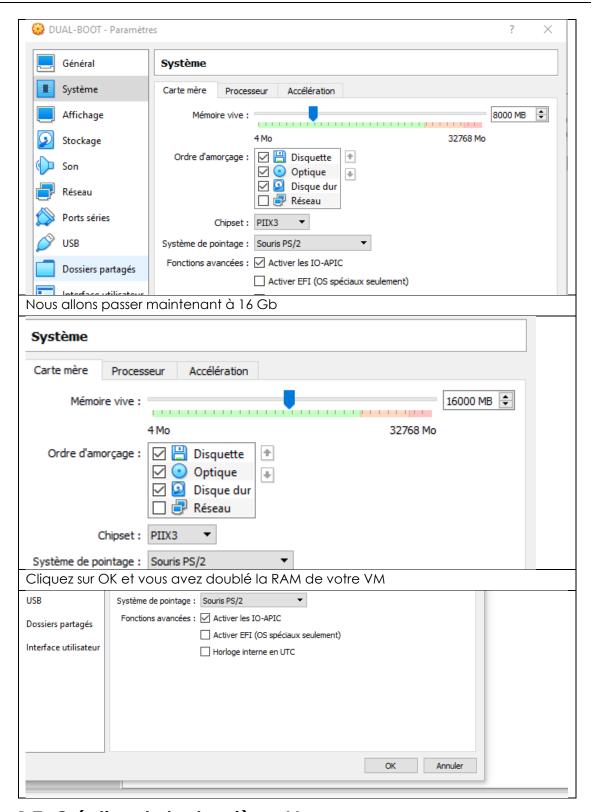




1.6 Doublage de la Ram



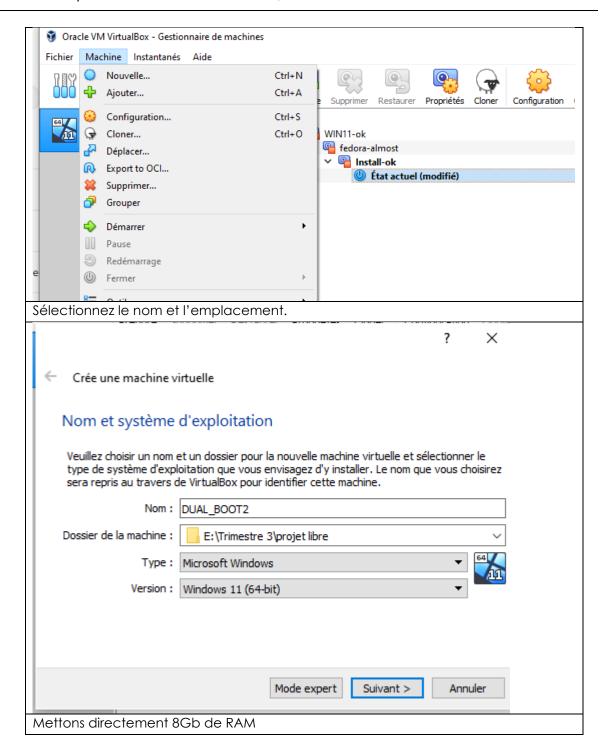
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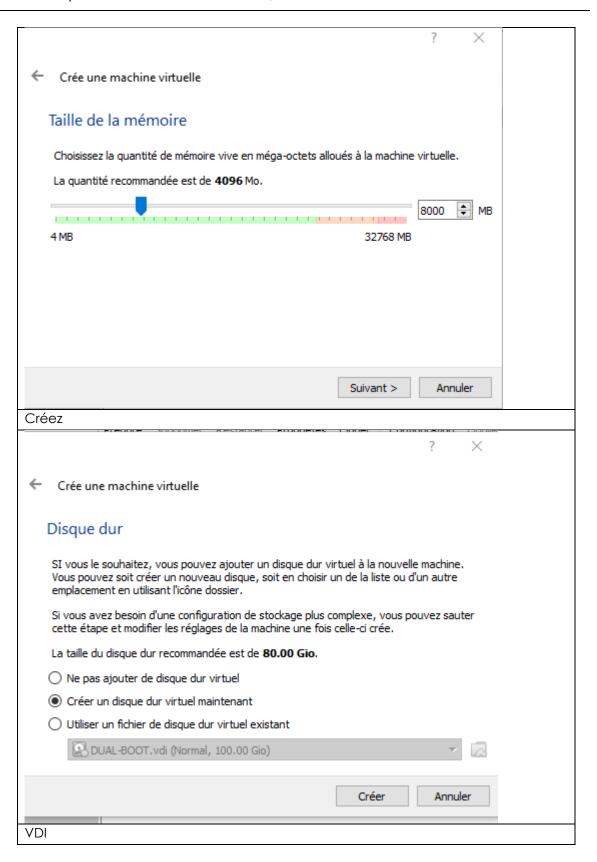
1.7 Création de la deuxième Vm

Nous allons maintenant créer une deuxième machine virtuelle qui nous permettra de connecter les deux machines entre-elles.

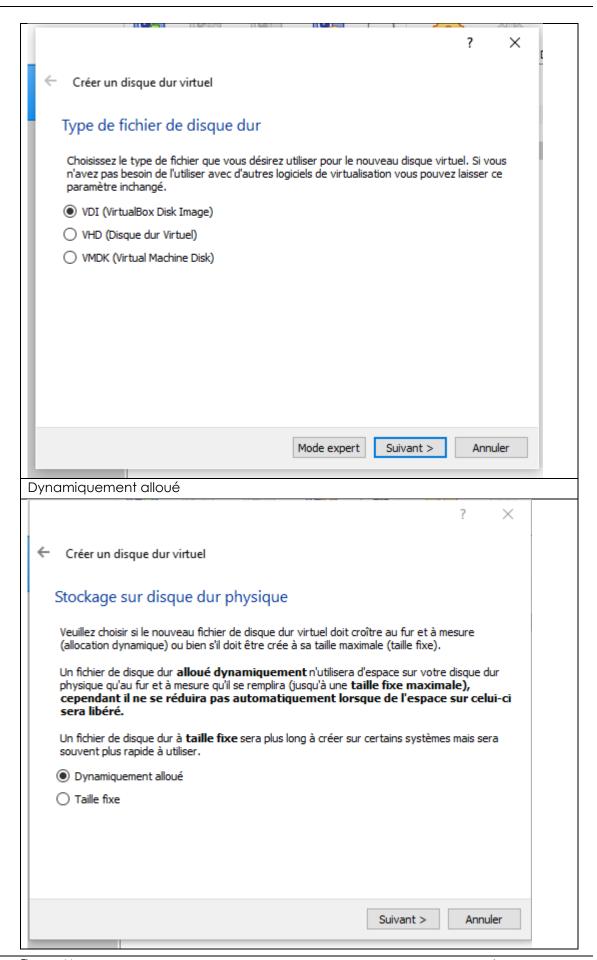
Allez dans VirtualBox et cliquez sur machine puis nouvelle.

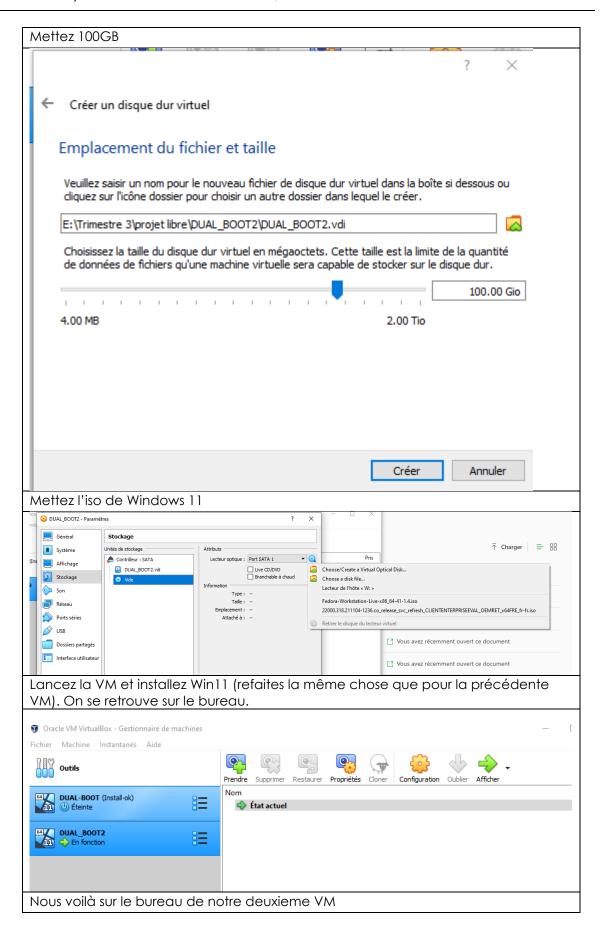


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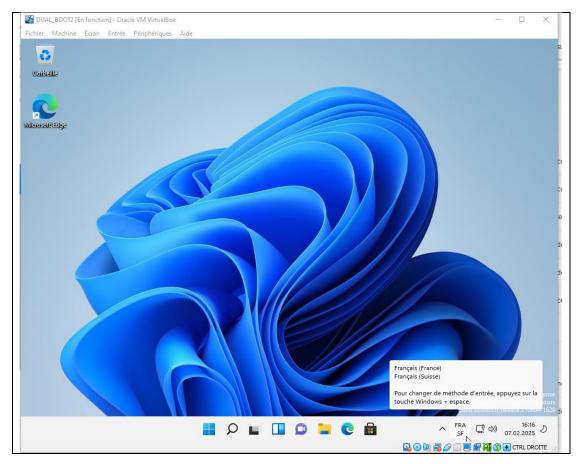


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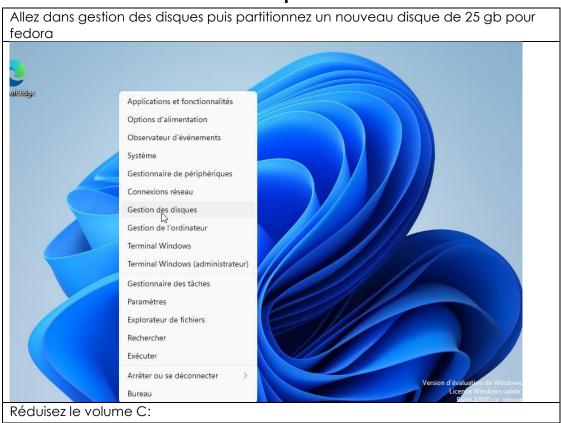




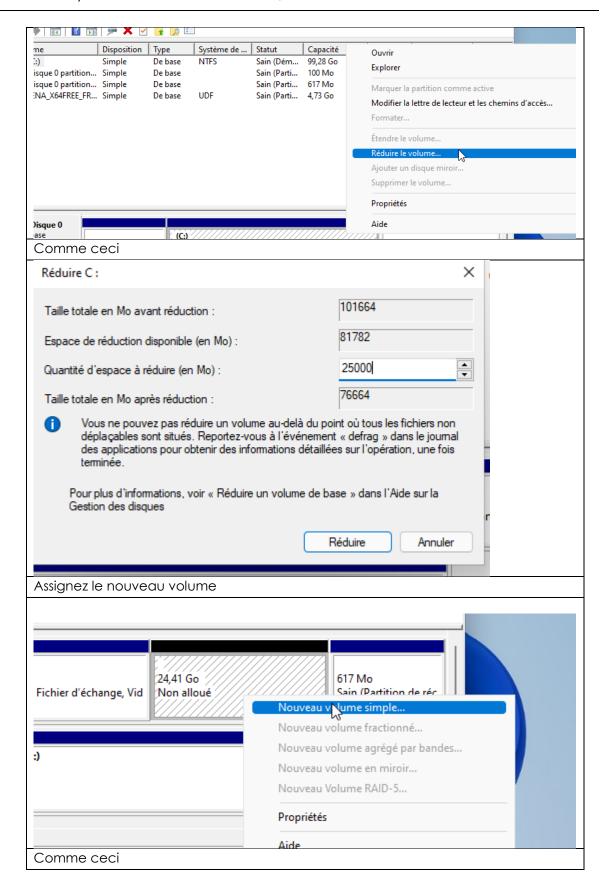
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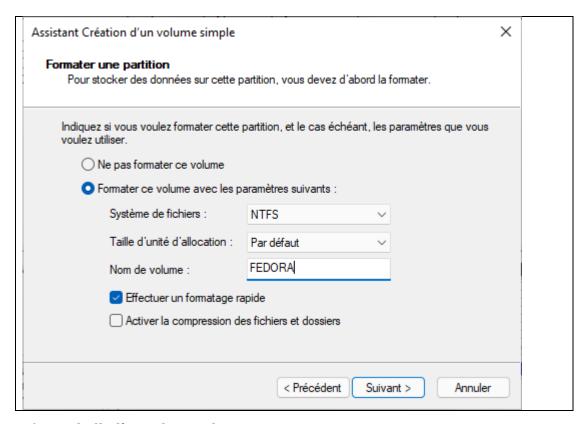
1.8 Partitionnement des du disque



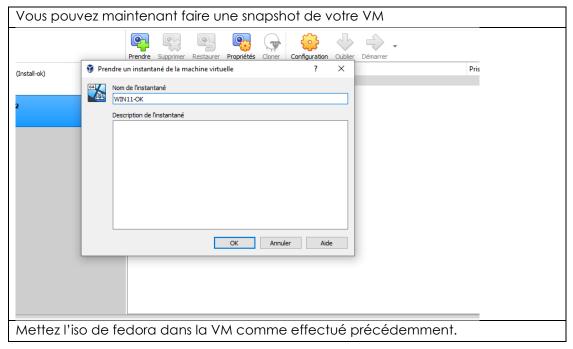
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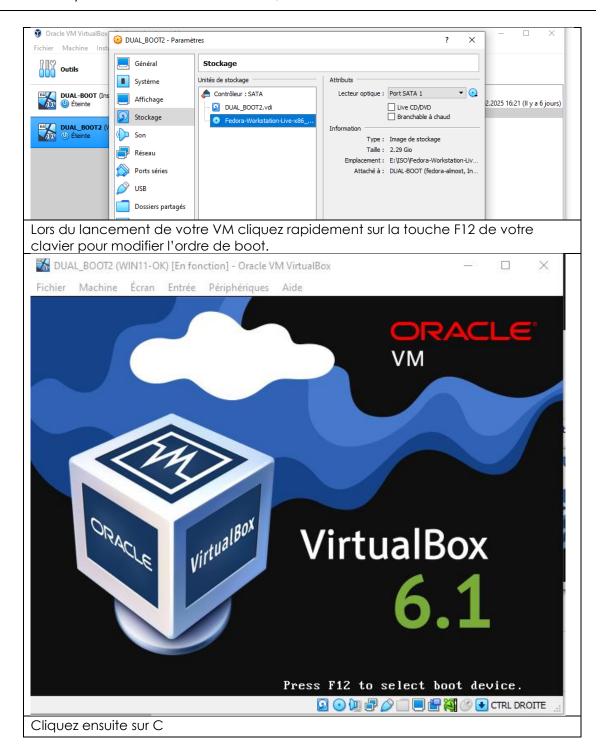


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1.9 Installation de Fedora

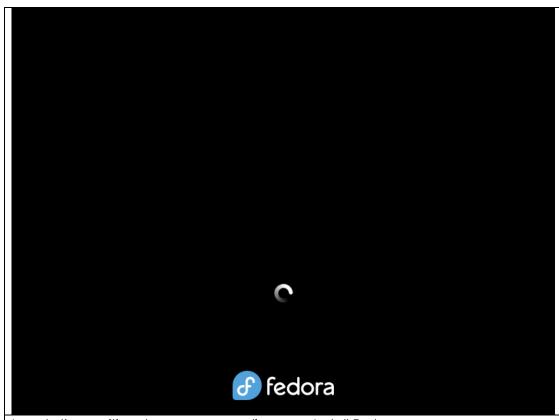


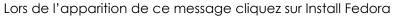


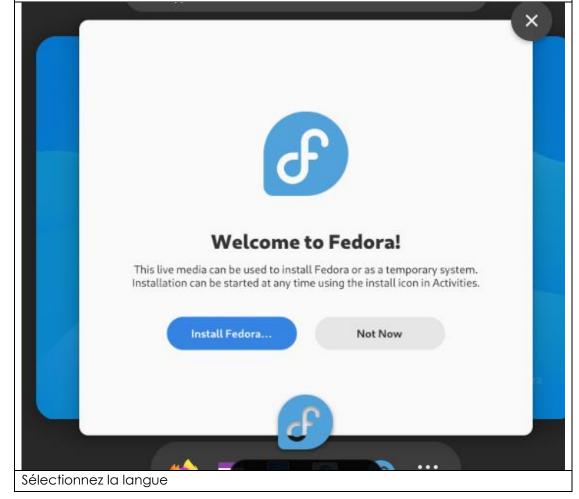
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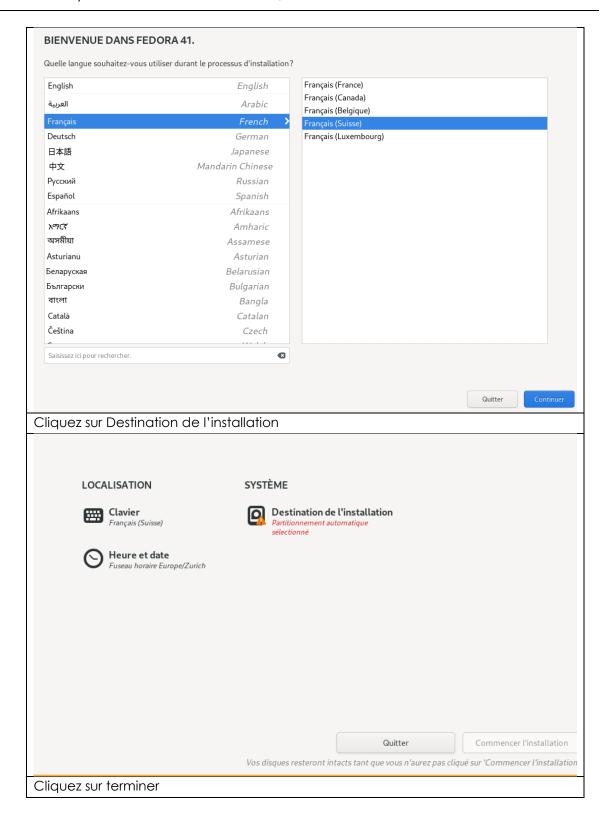
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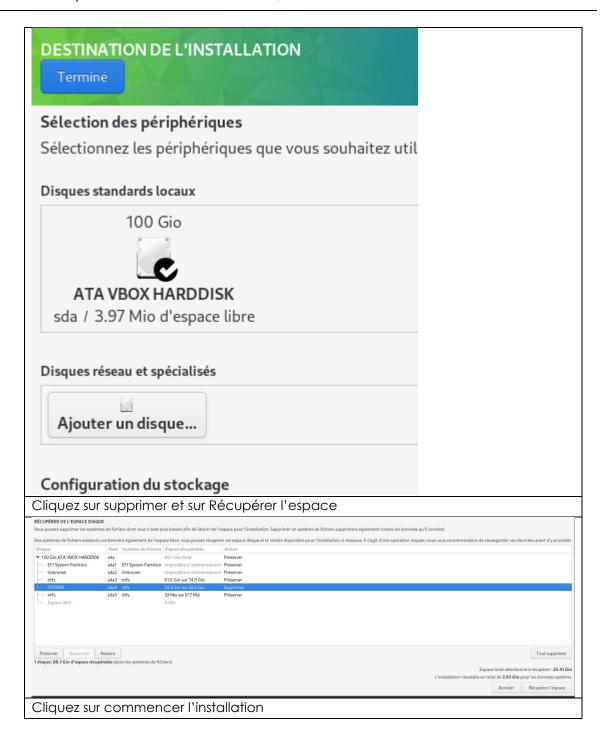




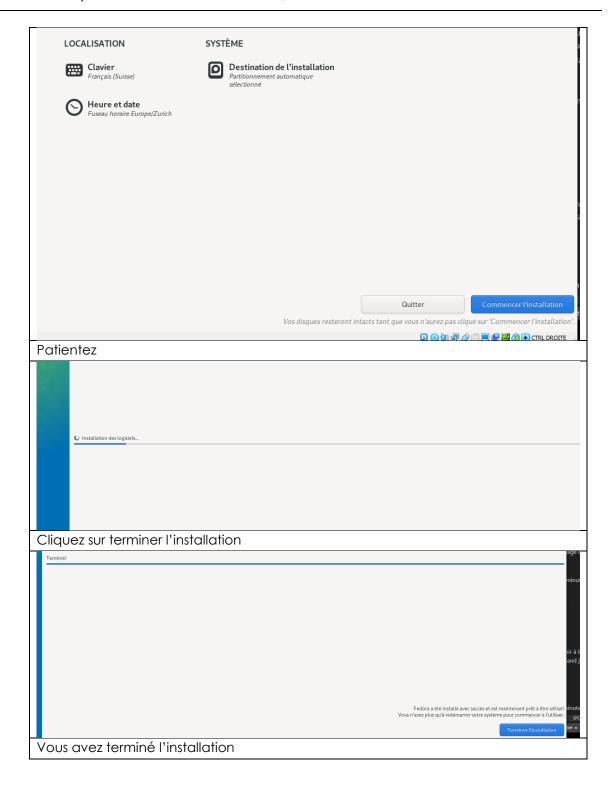
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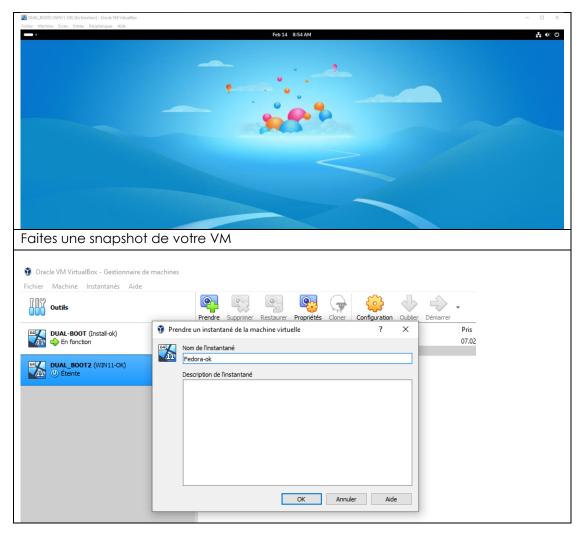


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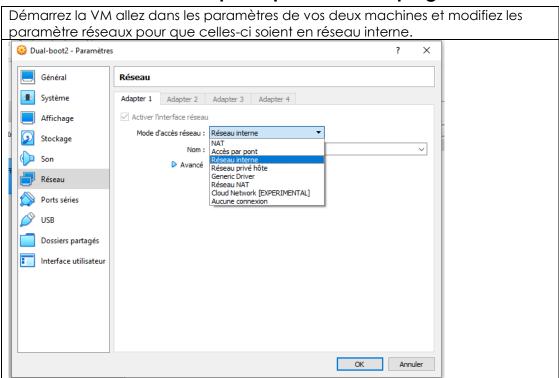


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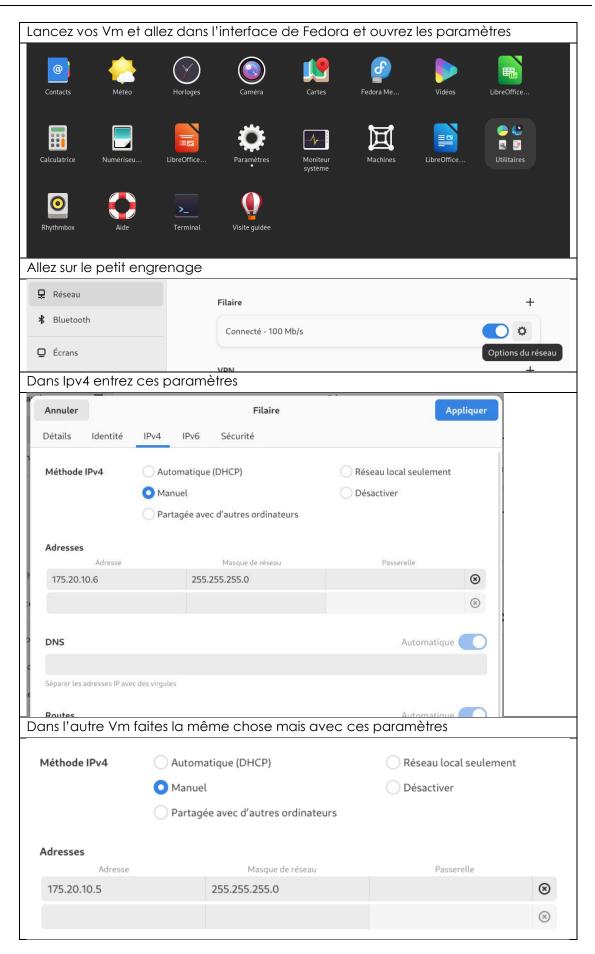




1.10 Modification des IP pour que les VM se ping



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```
Entrez cette commande dans le terminal dans vos deux VM
 thomas@fedora:~$ systemctl disable firewalld;
 Removed '/etc/systemd/system/dbus-org.fedoraproject.FirewallD1.service'.
 Removed '/etc/systemd/system/multi-user.target.wants/firewalld.service'.
Lorsque ceci est fait entrez la commande suivante (depuis la Vm 2)
  thomas@fedora:~$ ping 175.20.10.6 -c4
Ceci devrait se passer
   thomas@fedora:~$ ping 175.20.10.6 -c4
   PING 175.20.10.6 (175.20.10.6) 56(84) octets de données.
   64 octets de 175.20.10.6 : icmp_seq=1 ttl=64 temps=1.59 ms
   64 octets de 175.20.10.6 : icmp_seq=2 ttl=64 temps=0.935 ms
   64 octets de 175.20.10.6 : icmp_seq=3 ttl=64 temps=0.812 ms
   64 octets de 175.20.10.6 : icmp_seq=4 ttl=64 temps=0.604 ms
   --- statistiques ping 175.20.10.6 ---
   4 paquets transmis, 4 reçus, 0% packet loss, time 3042ms
   rtt min/avg/max/mdev = 0.604/0.984/1.587/0.367 ms
   thomas@fedora:~$
Vous avez réussi à ping vos Vms félicitations
```

2 CONCLUSION

Vous voici à la fin du rapport!

Grâce à celui-ci vous êtes maintenant capable de créer vos propres machines virtuelles en dual boot et par conséquent les différents exemples de manipulation présentées.