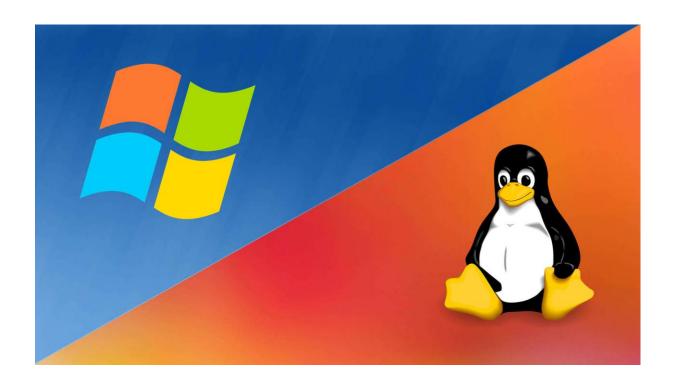
Création d'un Guide d'Installation d'une Machine Virtuelle en Dual Boot Win11 et Fedora Linux sur VirtualBox



Mayoraz Thomas – MIN1B Lausanne 18 périodes Projet Libre

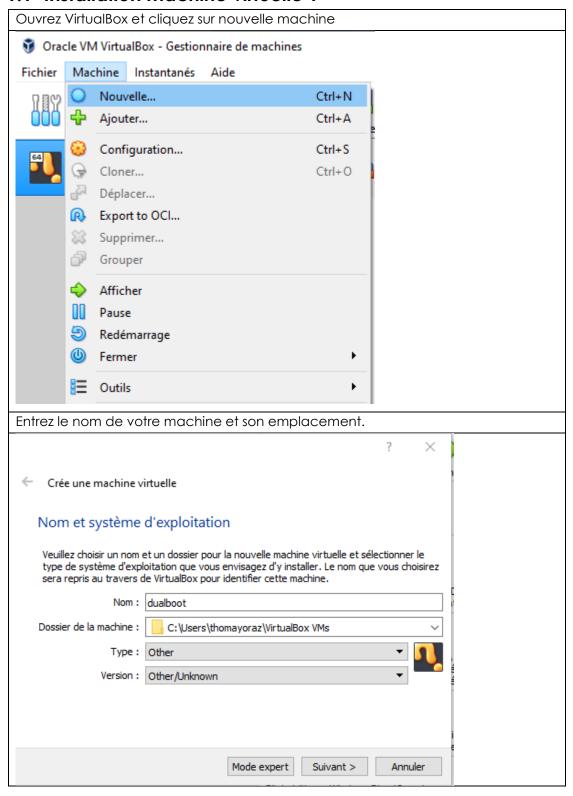
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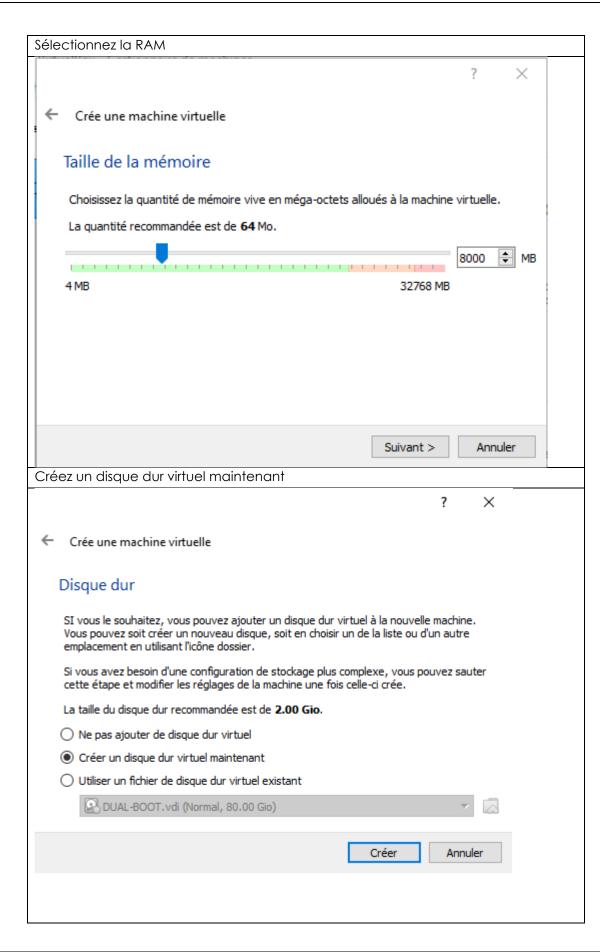
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1 RÉALISATION | GUIDE D'INSTALLATION

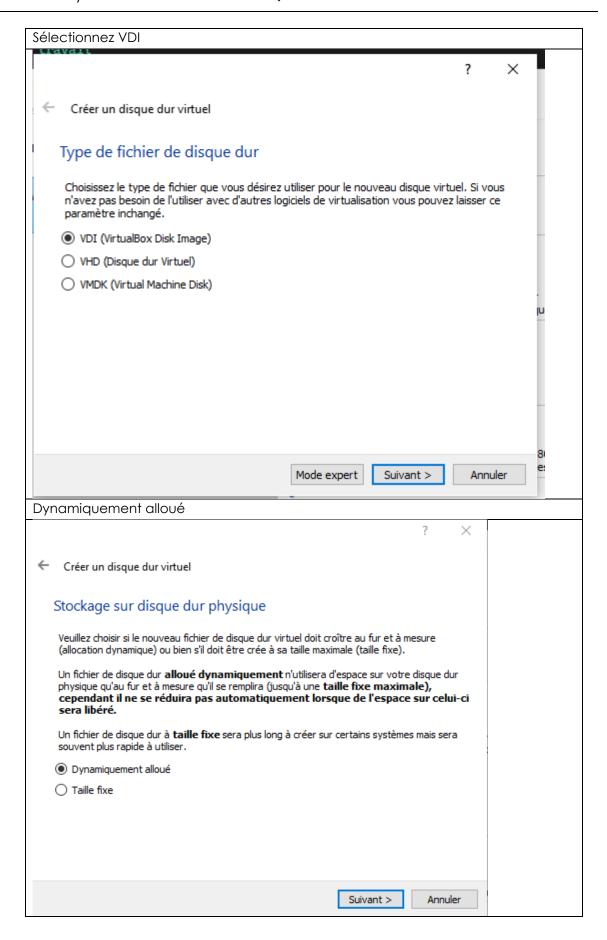
1.1 Installation machine virtuelle 1



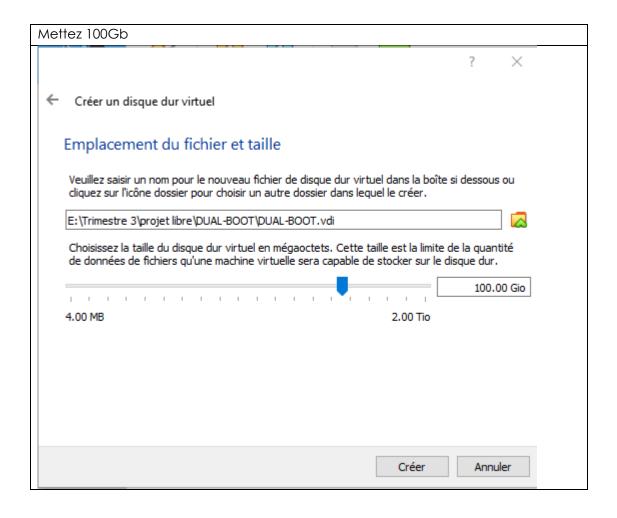
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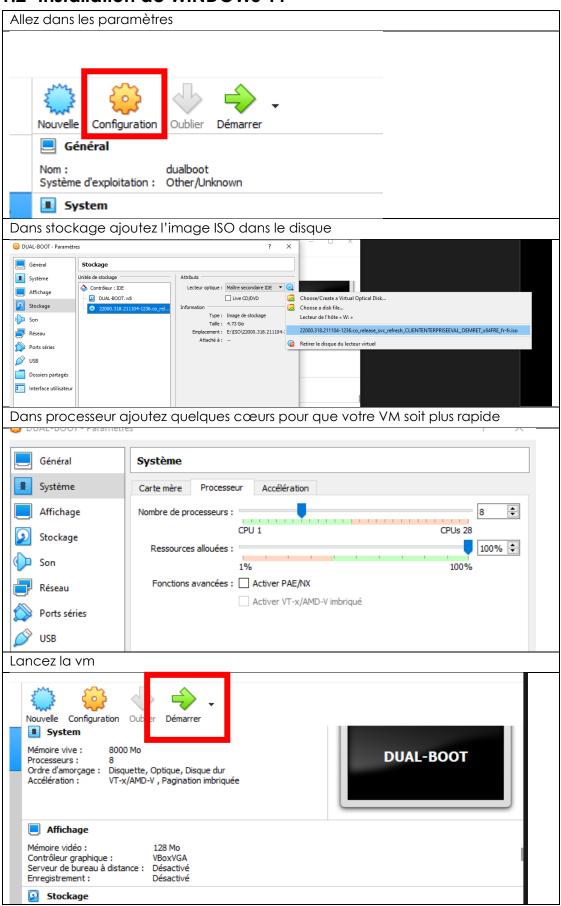


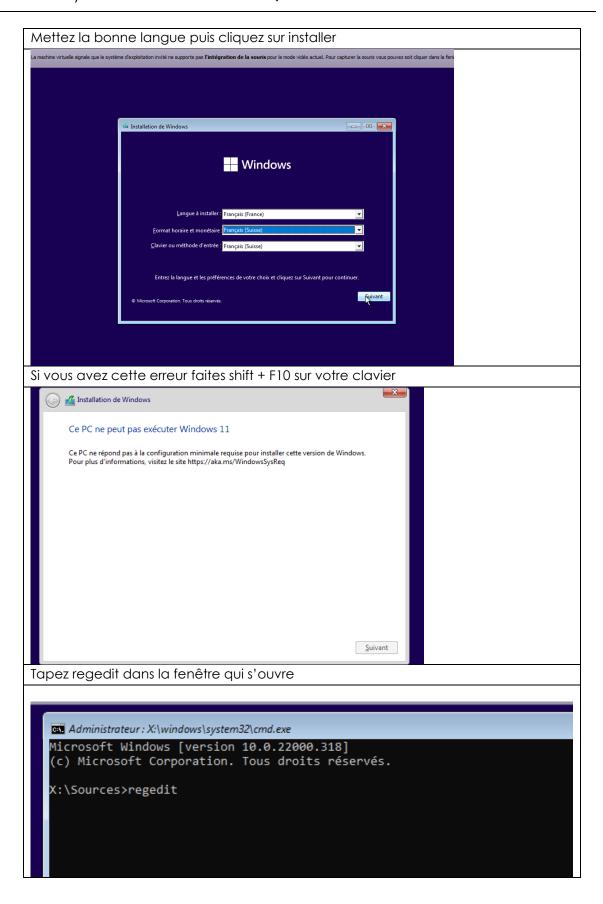
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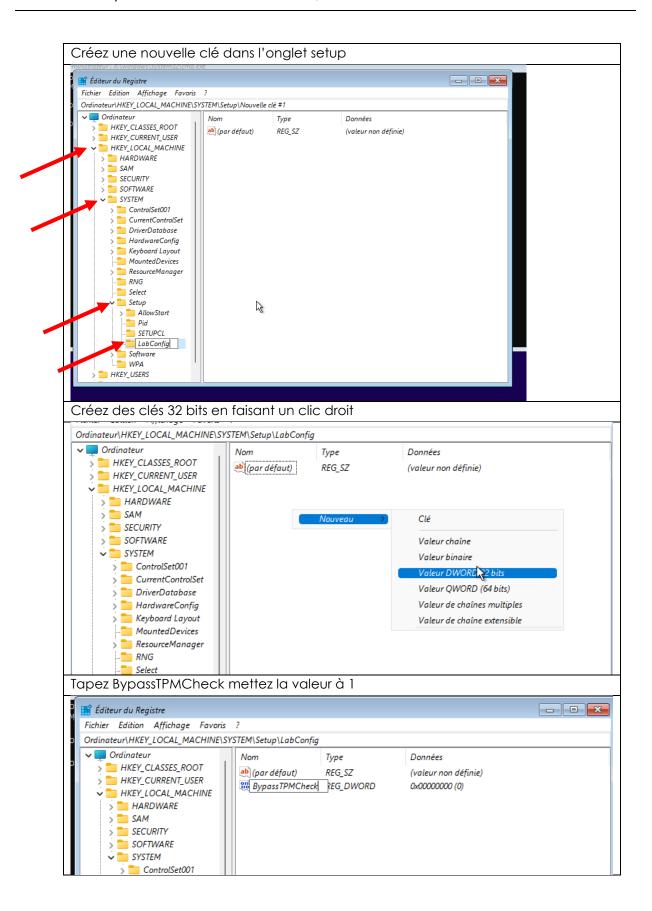
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1.2 Installation de WINDOWS 11

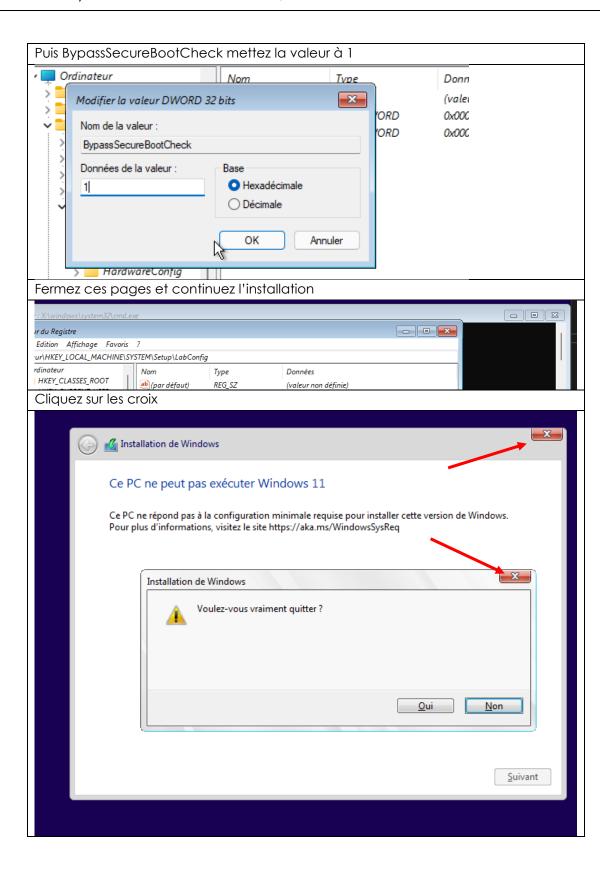




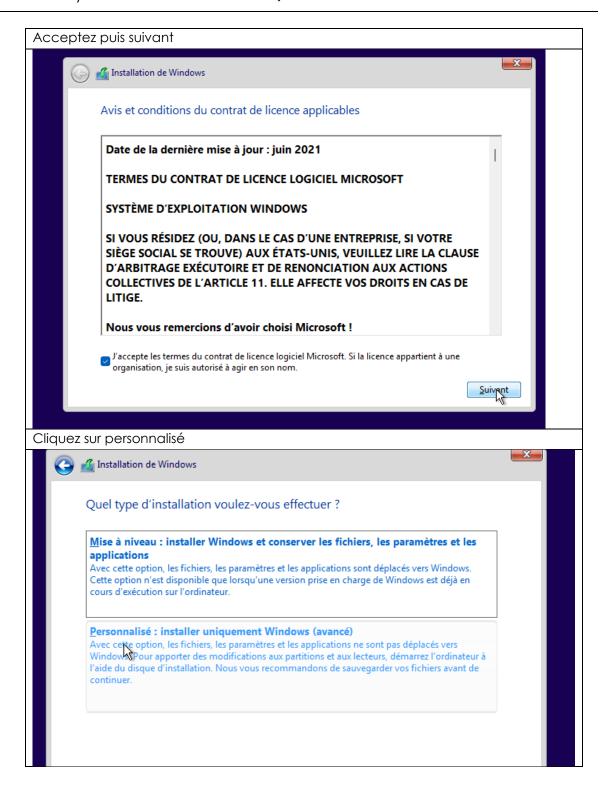
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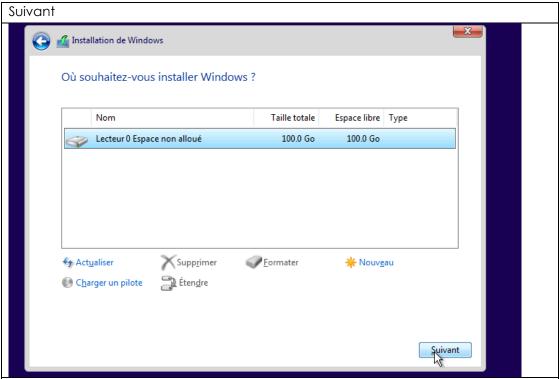


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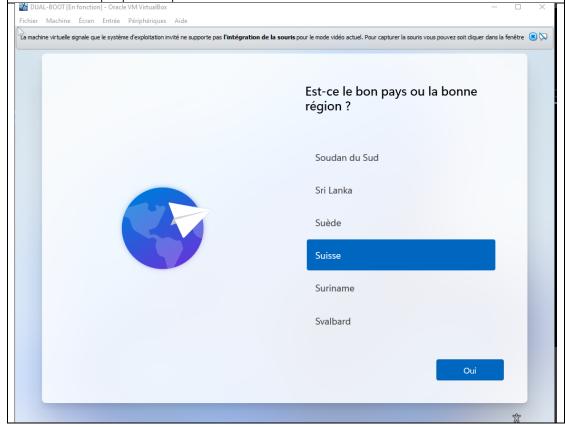


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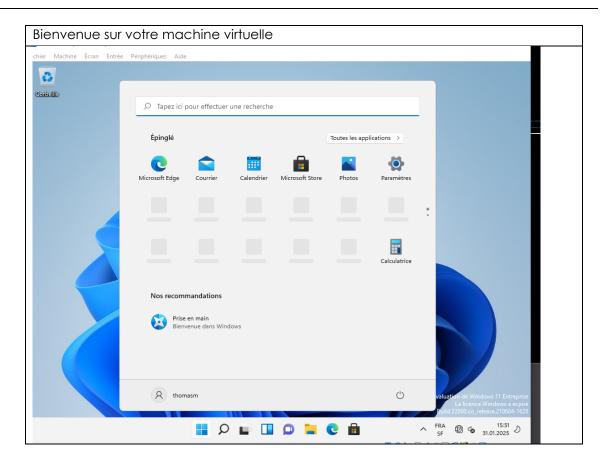




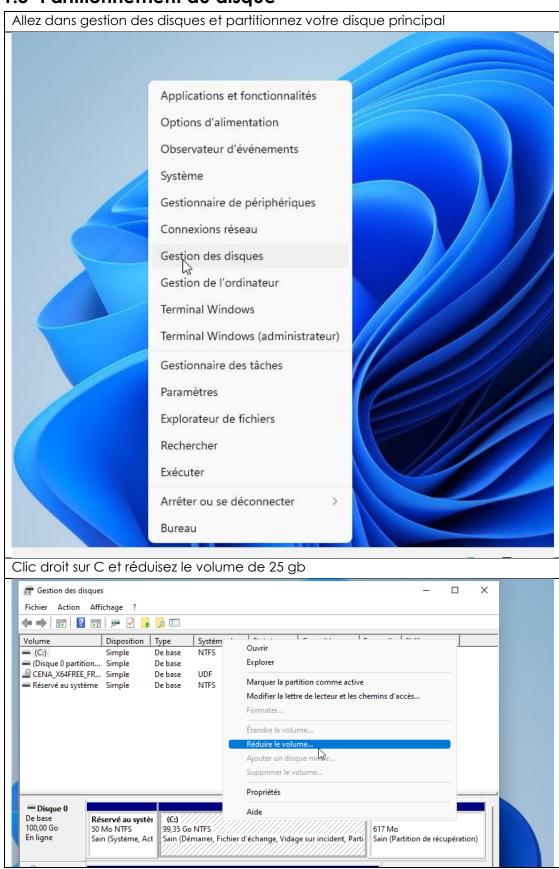
Patientez le temps de l'installation, quand vous arrivez ici suivez les étapes d'installation proposées par Windows.

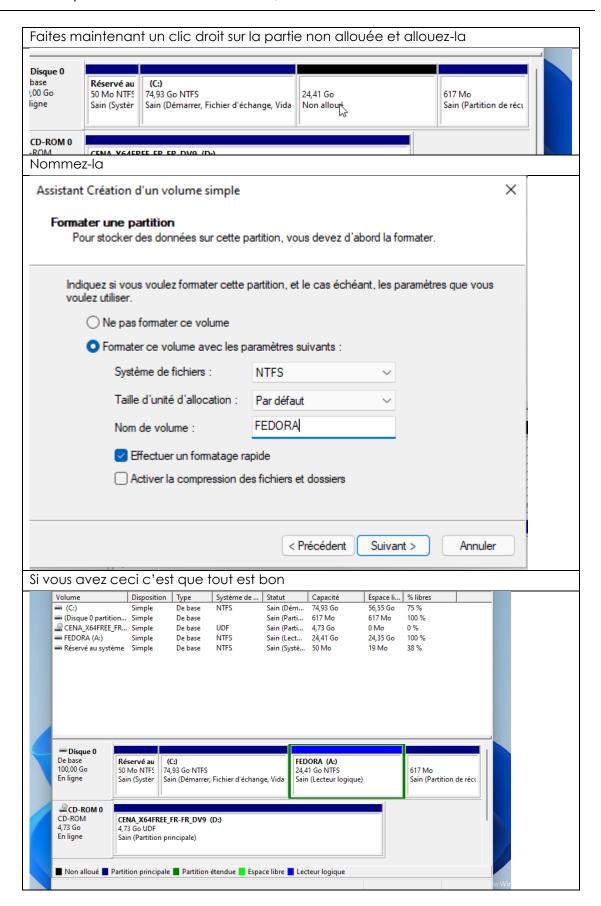


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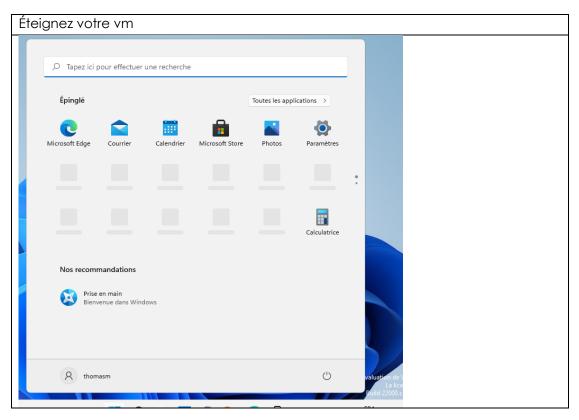


1.3 Partitionnement du disque



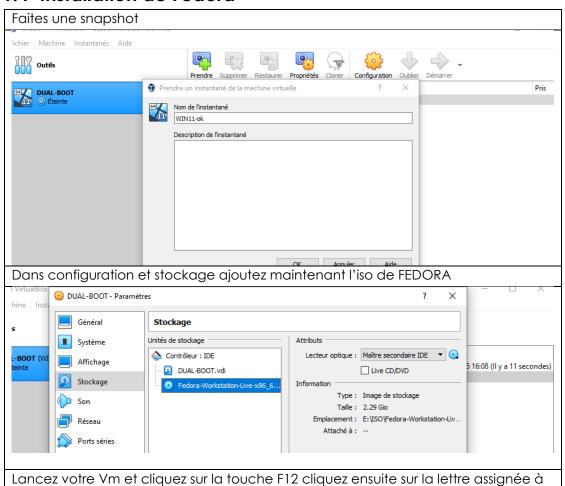


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1.4 Installation de Fedora

CD-ROM



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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
   1 Started chronyd.service - NTP client/server.
1 Started firewalld.service - firewalld - dynamic firewall daemon.
1 Reached target network-pre.target - Preparation for Network.
Starting NetworkManager.service - Network Manager...
1 Listening on systemd-rfkill.socket - Load/Save RF Kill Switch Status /dev/rfkill Watch.
Starting NetworkManager-dispatcher.service - Network Manager Script Dispatcher Service...
1 Started NetworkManager.service - Network Manager.
1 Reached target networkstarget - Network.
Starting NetworkManager-ratio-online service - Network Manager National Poline
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-cryptsetup.target - Remote Encrypted Volumes.

Finished NetworkManager-wait-online.service - Network Manager Wait Online.

Reached target network-online.target - Network is 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.

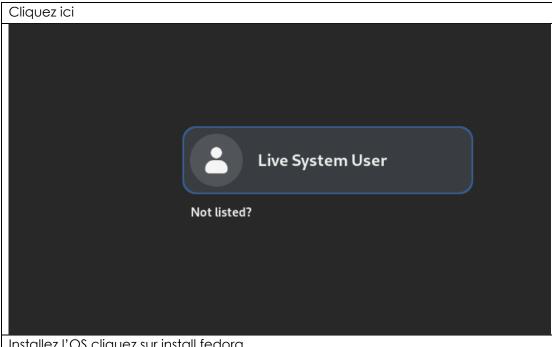
Reached target multi-user.target - Multi-User System.

Reached target graphical.target - Faraphical Interface.

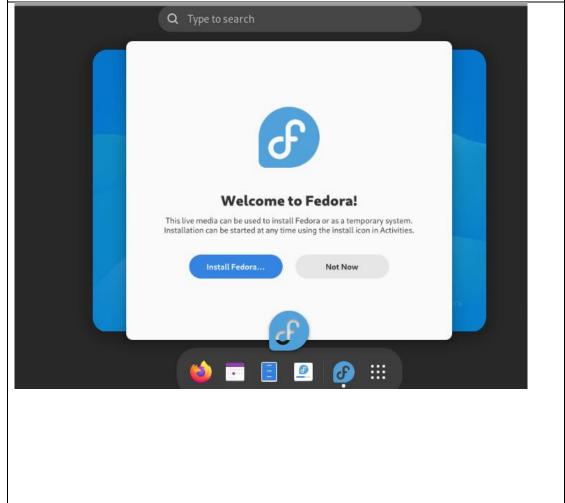
Starting systemd-update-utmp-runlevel.service - Record Runlevel Change in UTMP...

Finished systemd-update-utmp-runlevel.service - Record Runlevel Change in UTMP...
                     Starting NetworkManager-wait-online.service - Network Manager Wait Online...
```

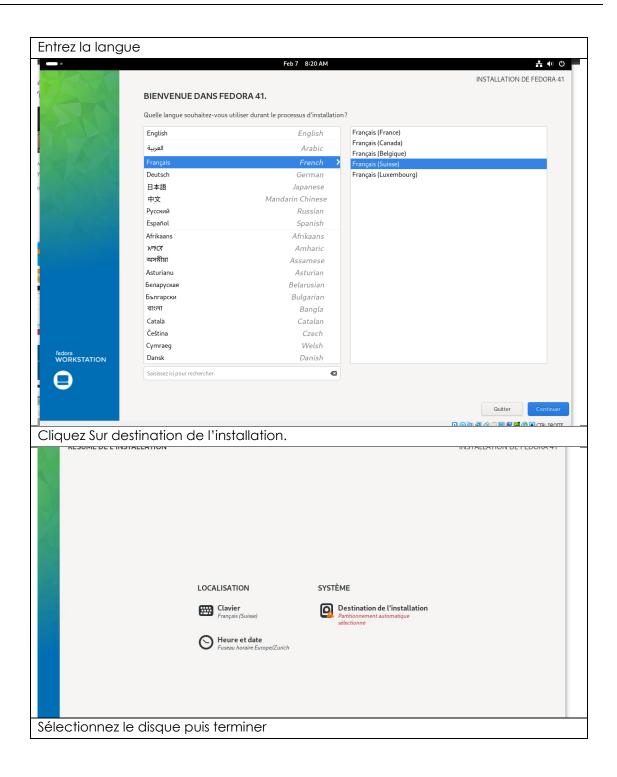
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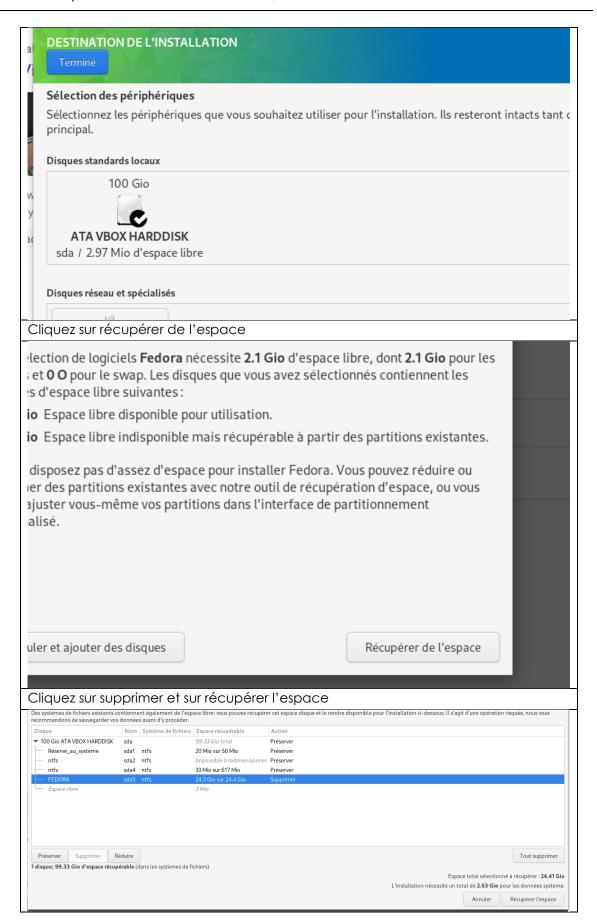
Installez l'OS cliquez sur install fedora

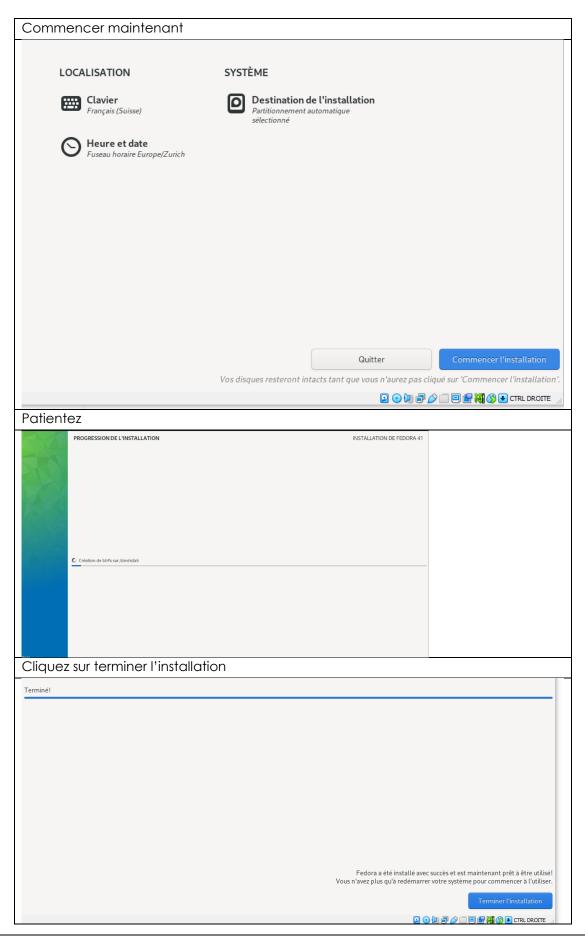


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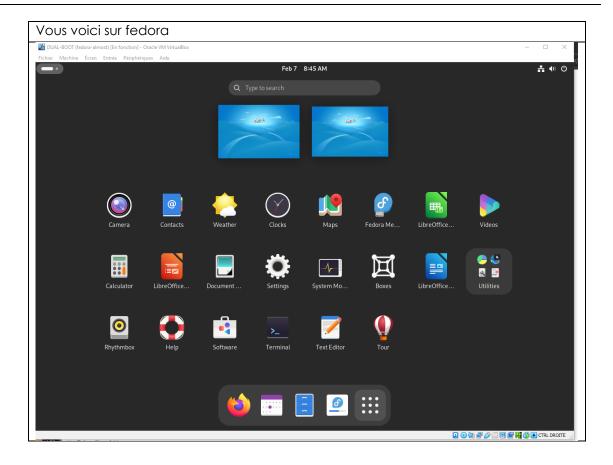


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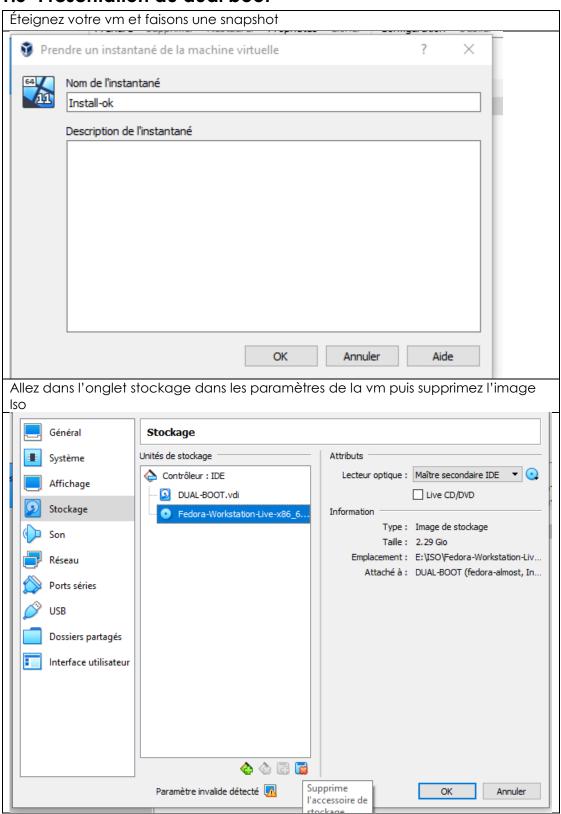


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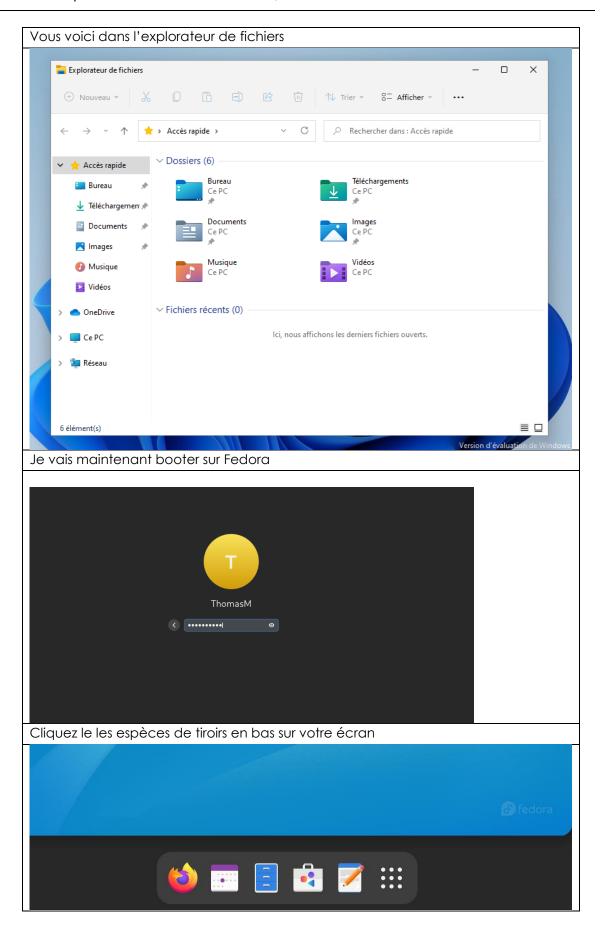
1.5 Présentation du dual boot



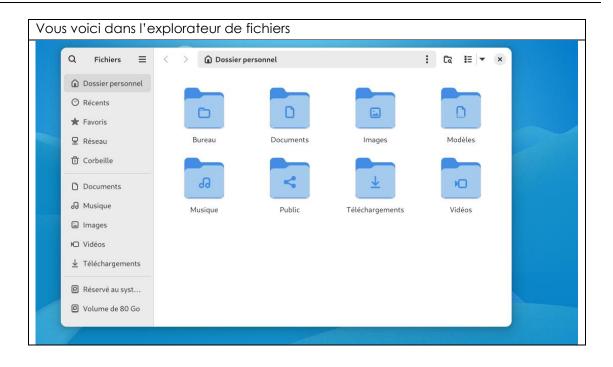
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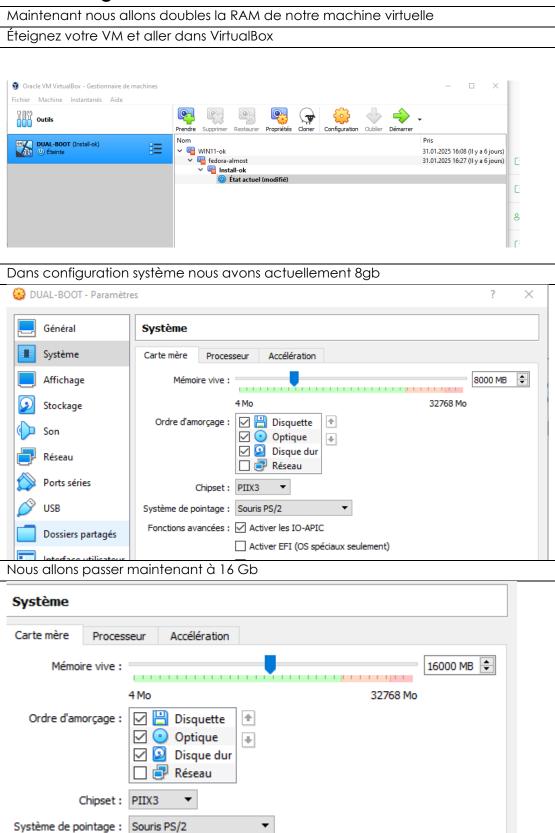
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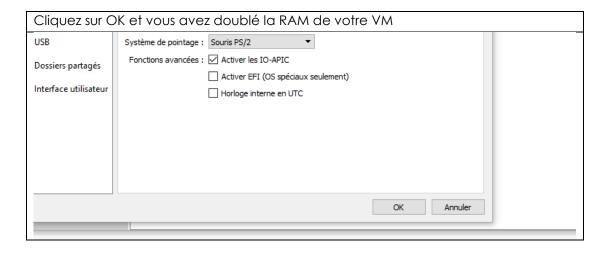


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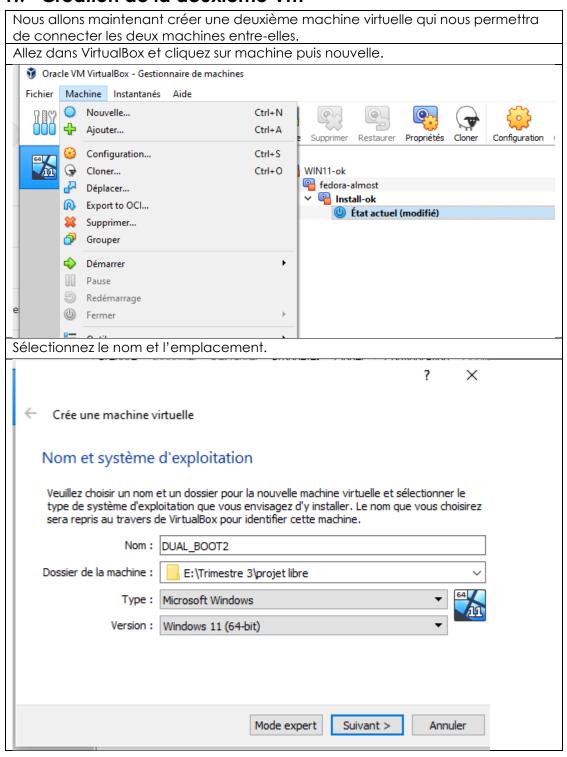
1.6 Doublage de la Ram

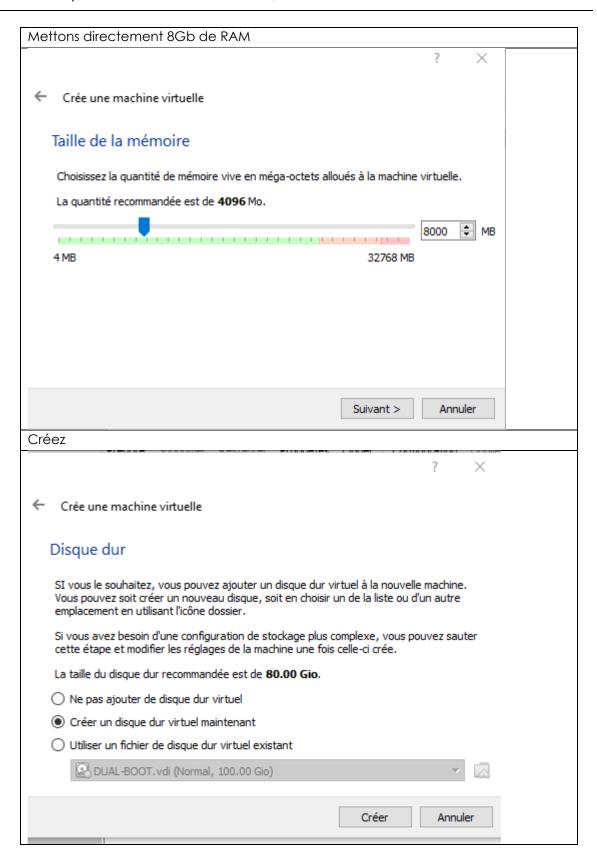




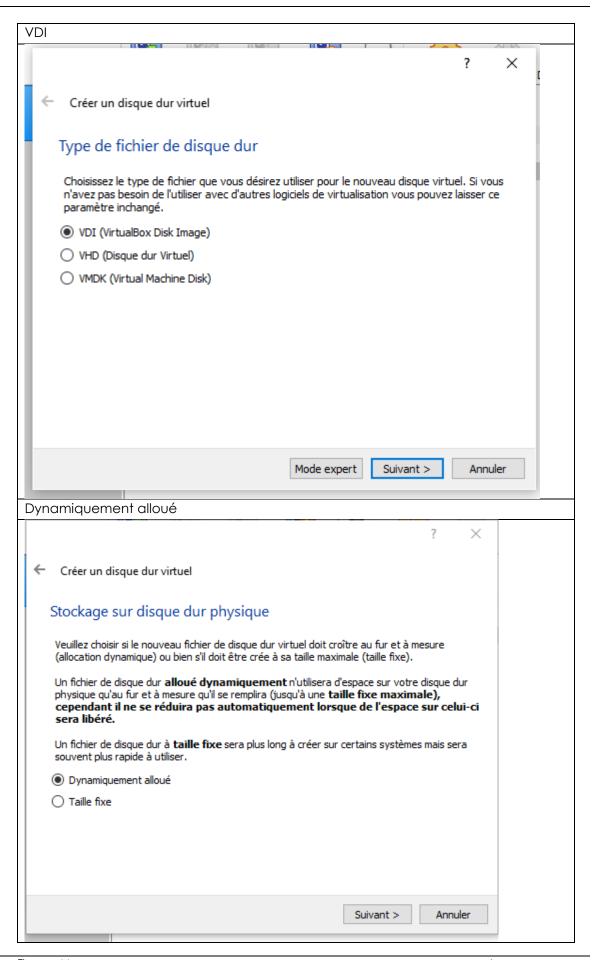
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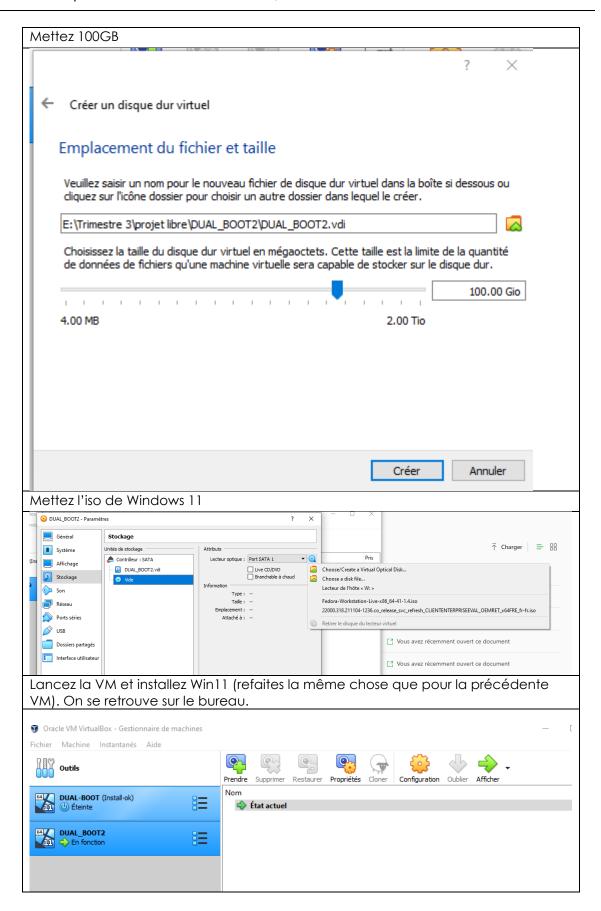
1.7 Création de la deuxième Vm



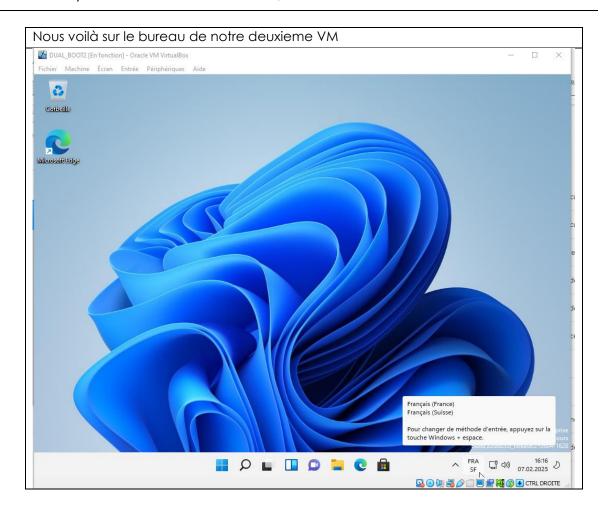


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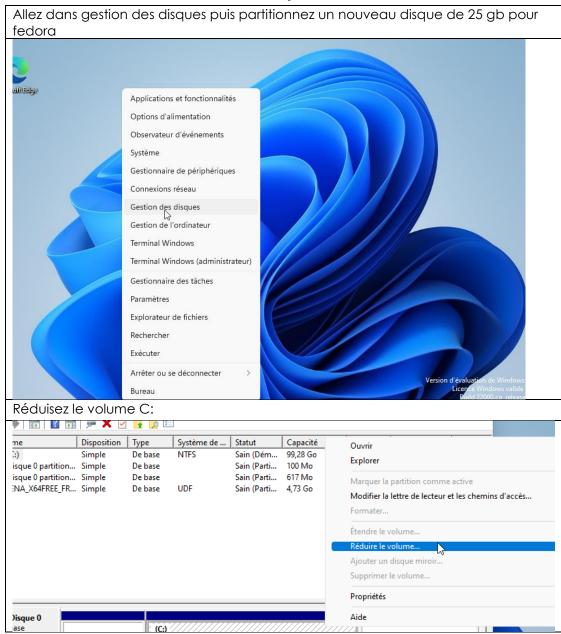


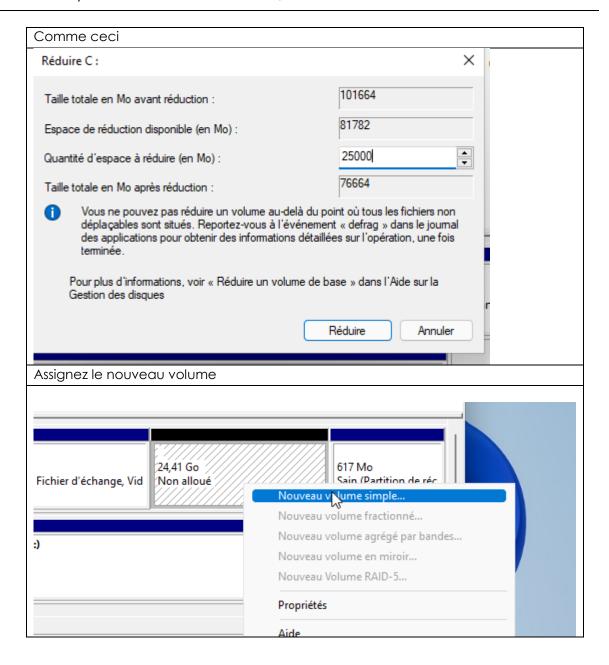
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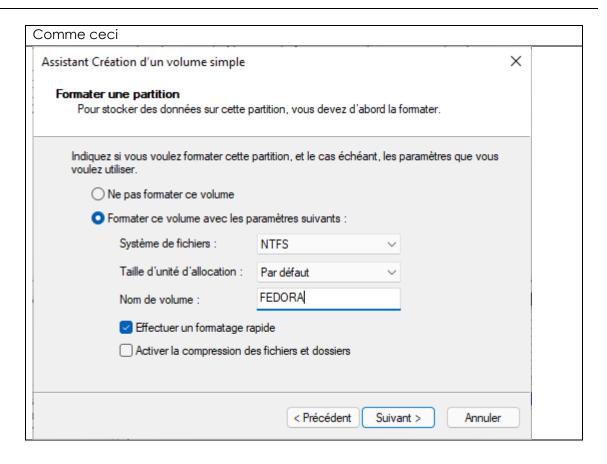
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1.8 Partitionnement des du disque



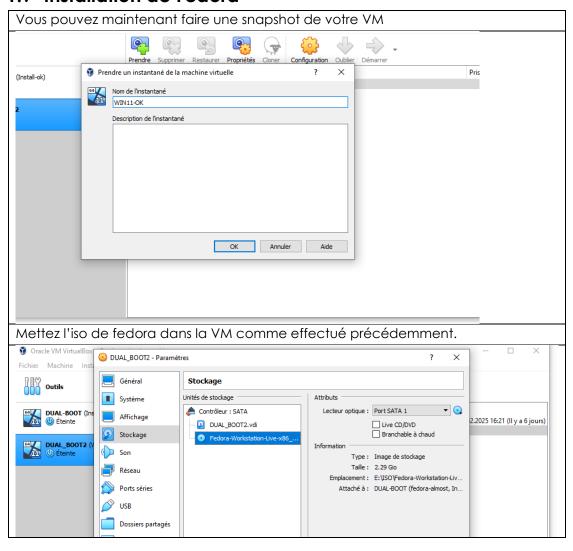


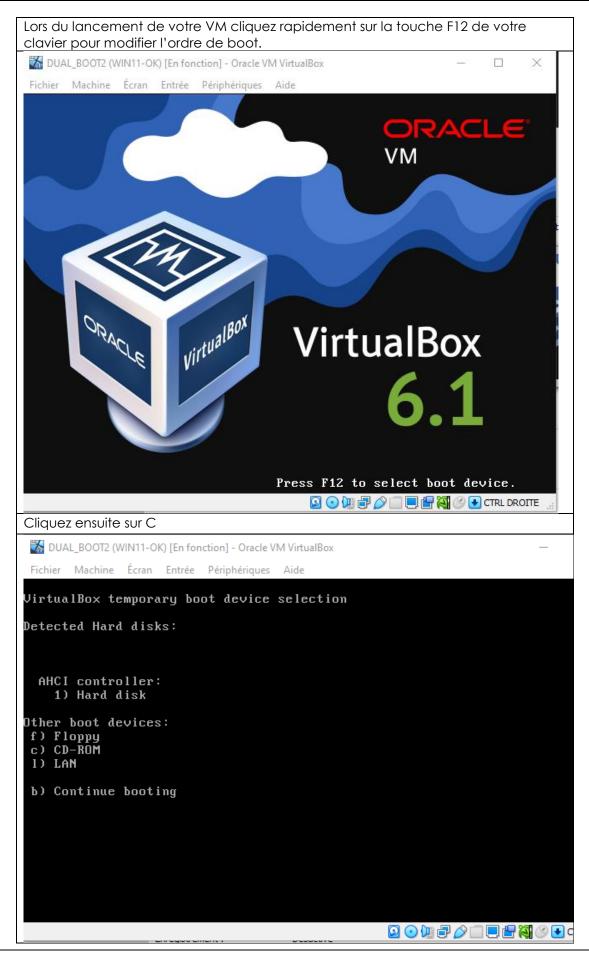
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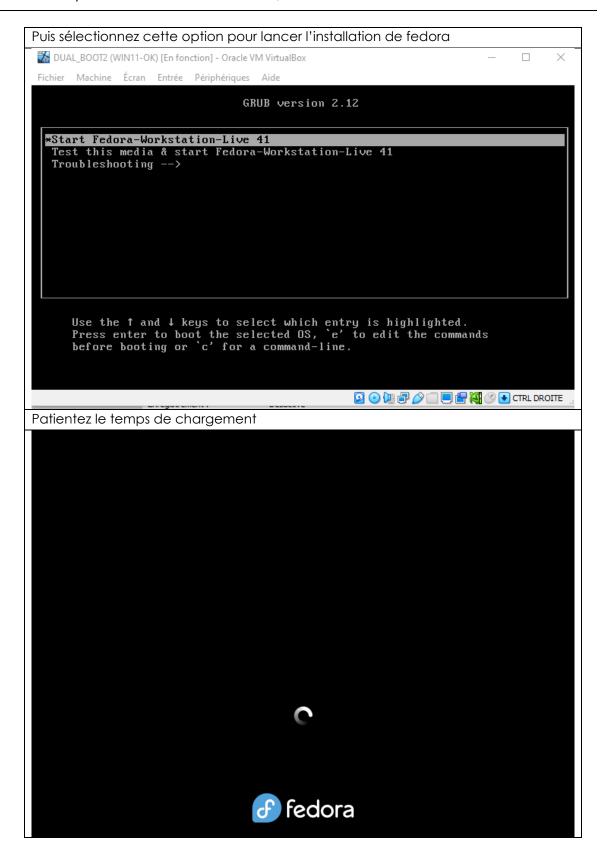


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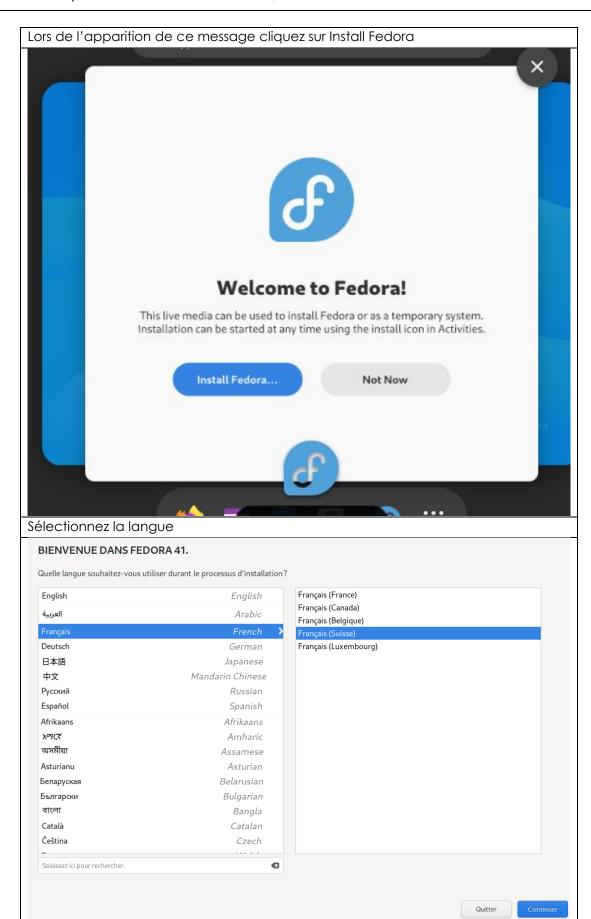
1.9 Installation de Fedora



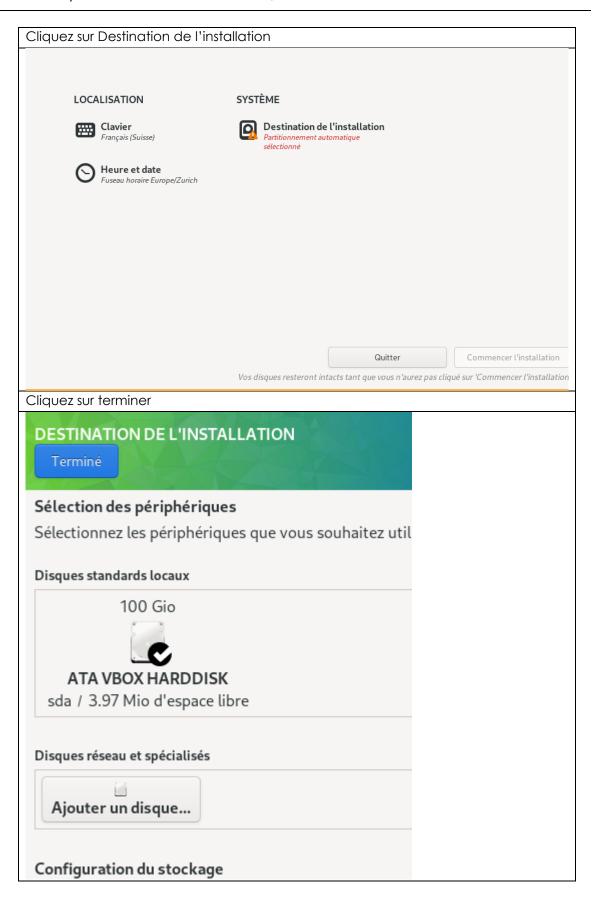




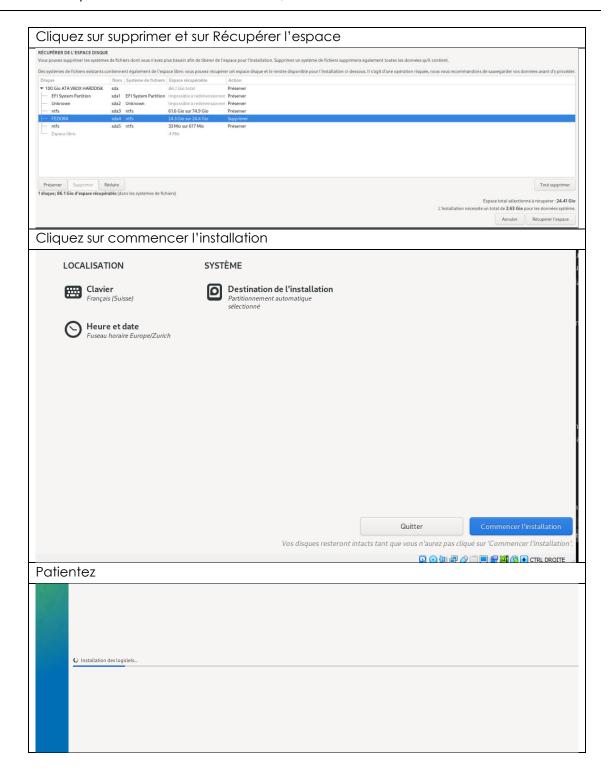
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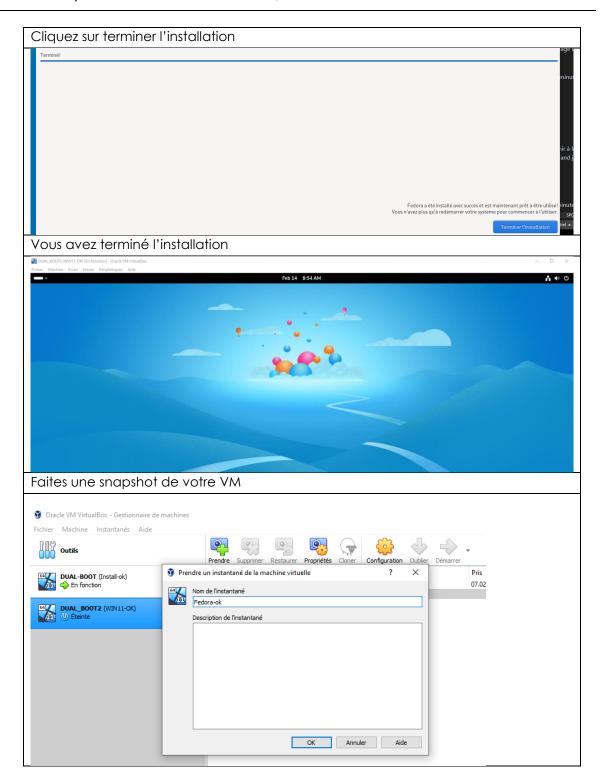


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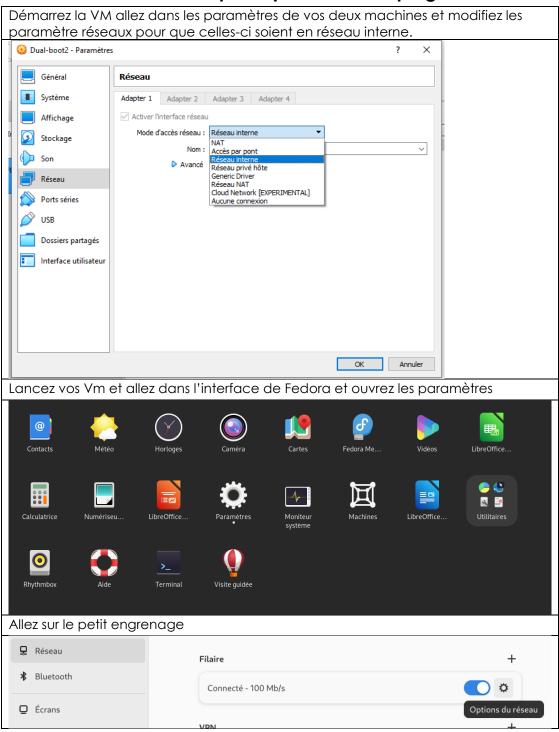


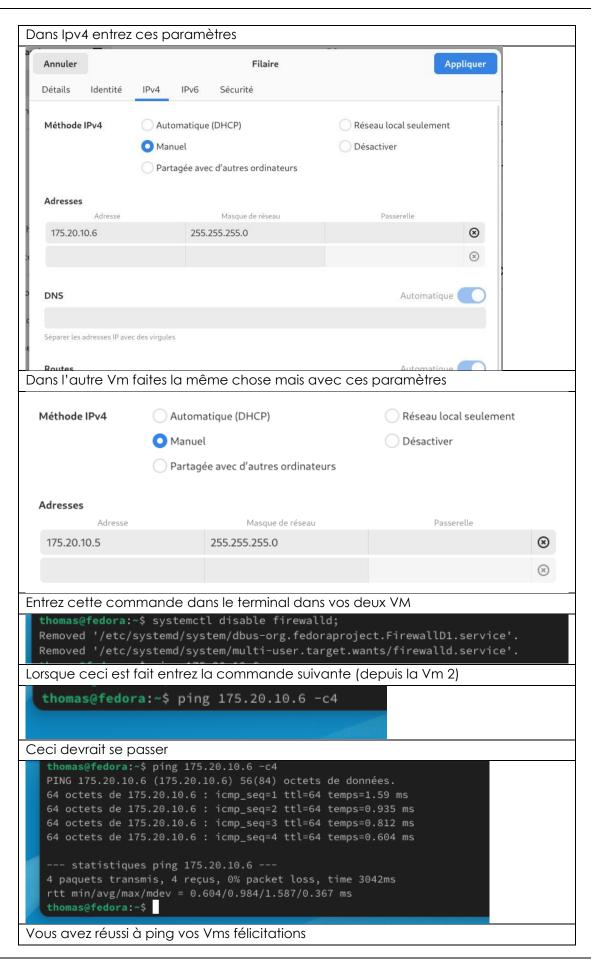
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1.10 Modification des IP pour que les VM se ping





2 CONCLUSION

Ce guide d'installation a permis de détailler, étape par étape, la mise en place d'un système en dual boot sous Windows 11 et Fedora Linux au sein d'une machine virtuelle avec VirtualBox. À travers ce processus, nous avons exploré les différentes étapes essentielles, du partitionnement du disque à l'installation des systèmes d'exploitation, en passant par la configuration des paramètres réseau pour assurer une communication entre les machines.

Grâce à ce rapport, toute personne souhaitant mettre en place un environnement similaire dispose désormais d'un mode d'emploi clair et précis pour y parvenir. Ce projet a démontré l'intérêt et la flexibilité qu'offre la virtualisation, notamment dans un cadre d'apprentissage, d'expérimentation ou de tests en toute sécurité.

En maîtrisant ces techniques, il devient plus facile d'expérimenter avec différents systèmes d'exploitation et de mieux comprendre leur fonctionnement en environnement virtualisé.

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