

INSTITUT UNIVERSITAIRE DES SCIENCES

Faculte des sciences et des technologies

Nom & Prenom : Magdala Isidore

TN*x: Systeme

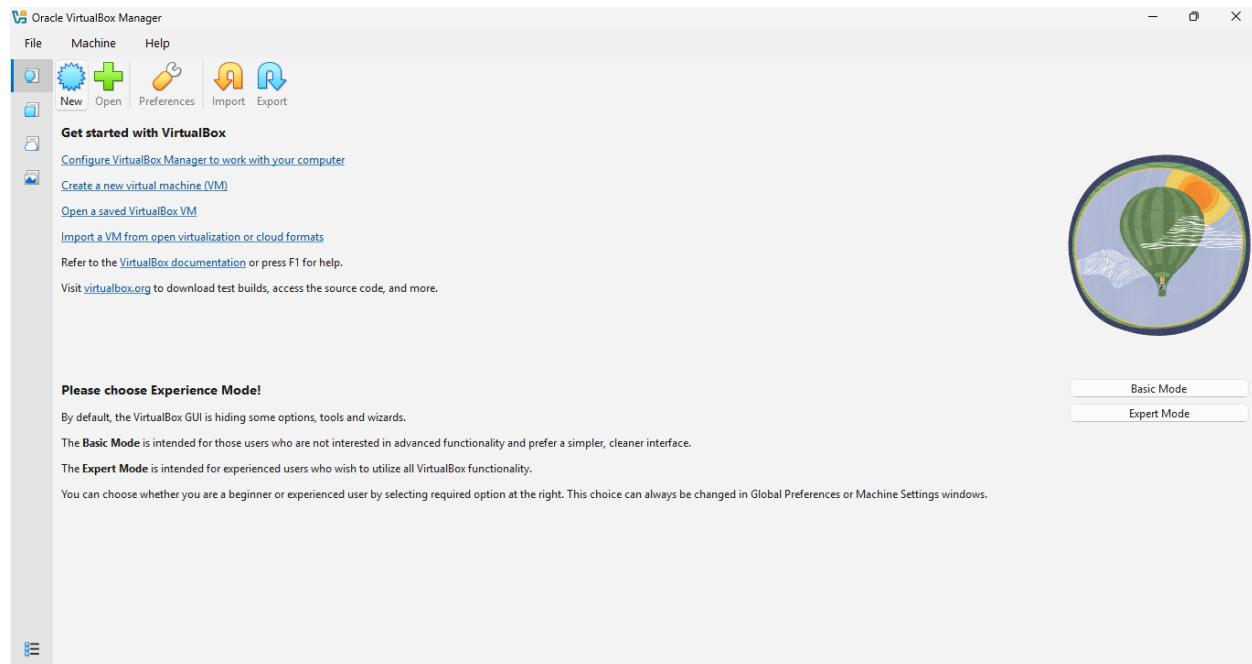
Date : 11/ 6 /2025

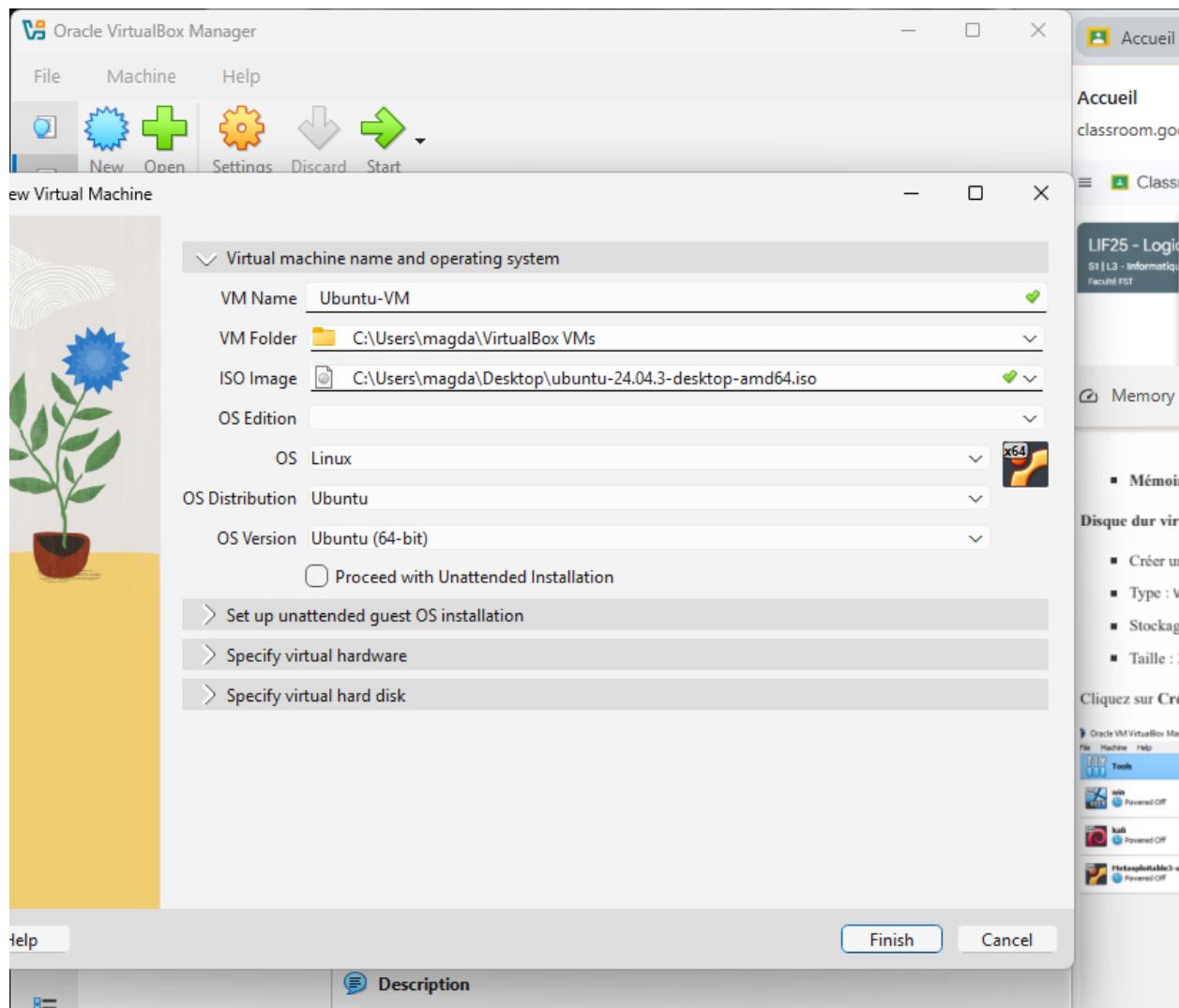
Objectif du TD : Comprendre le principe de la virtualisation

Installer une machine virtuelle (VM) Ubuntu sous virtualBox.

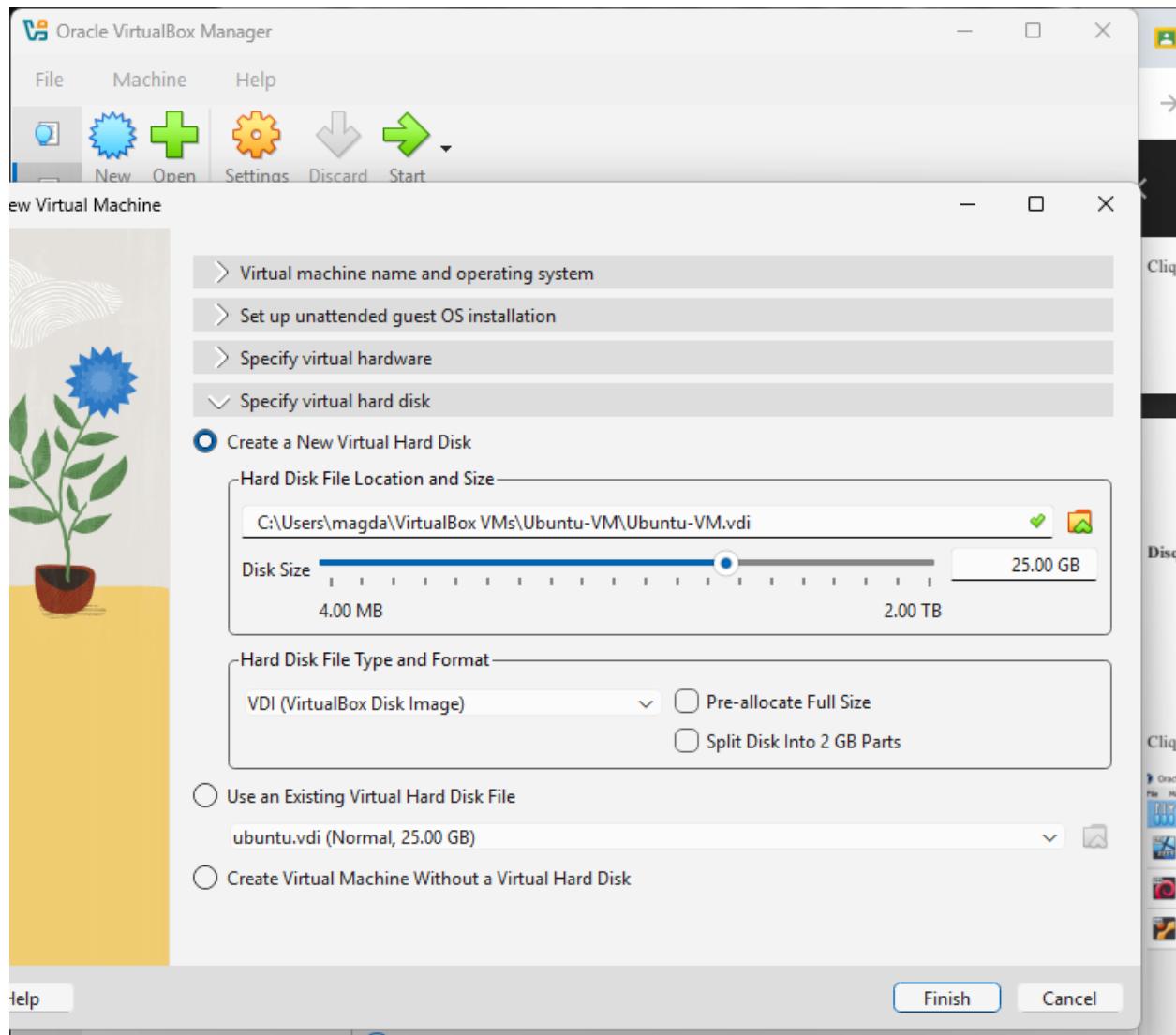
Configure les ressources matérielles et le réseau de la VM.

Démarrer, utiliser et gérer la VM.

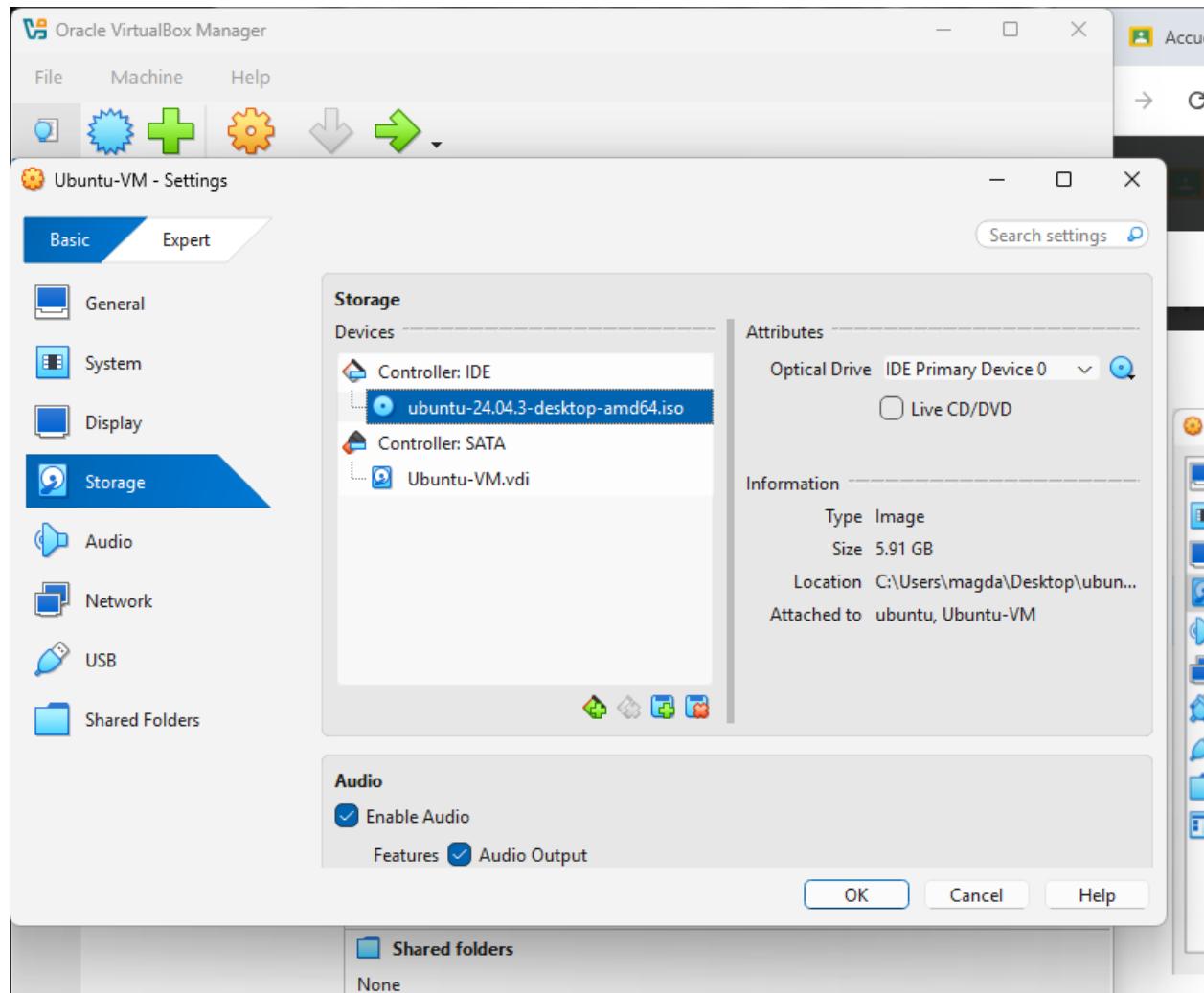


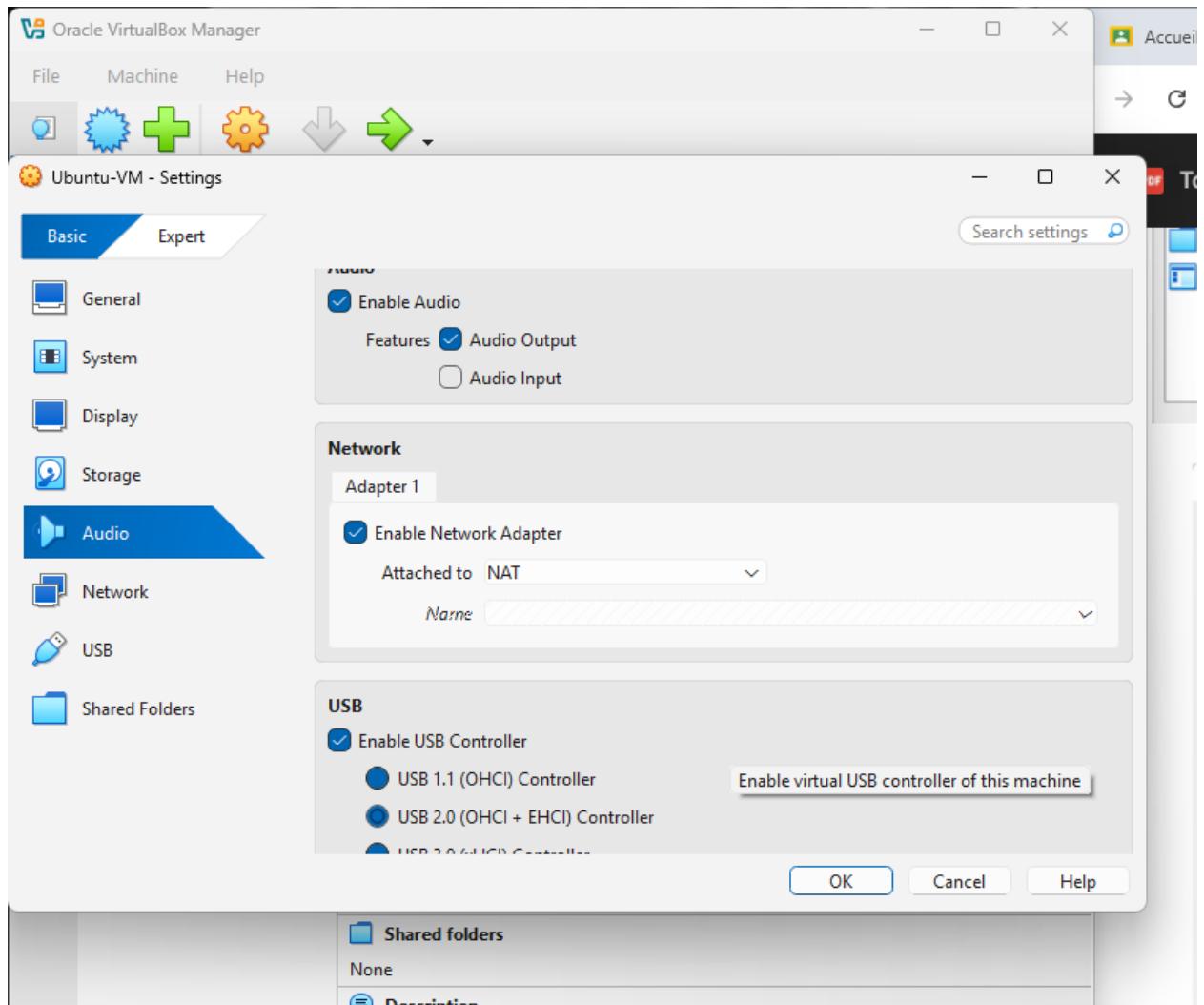


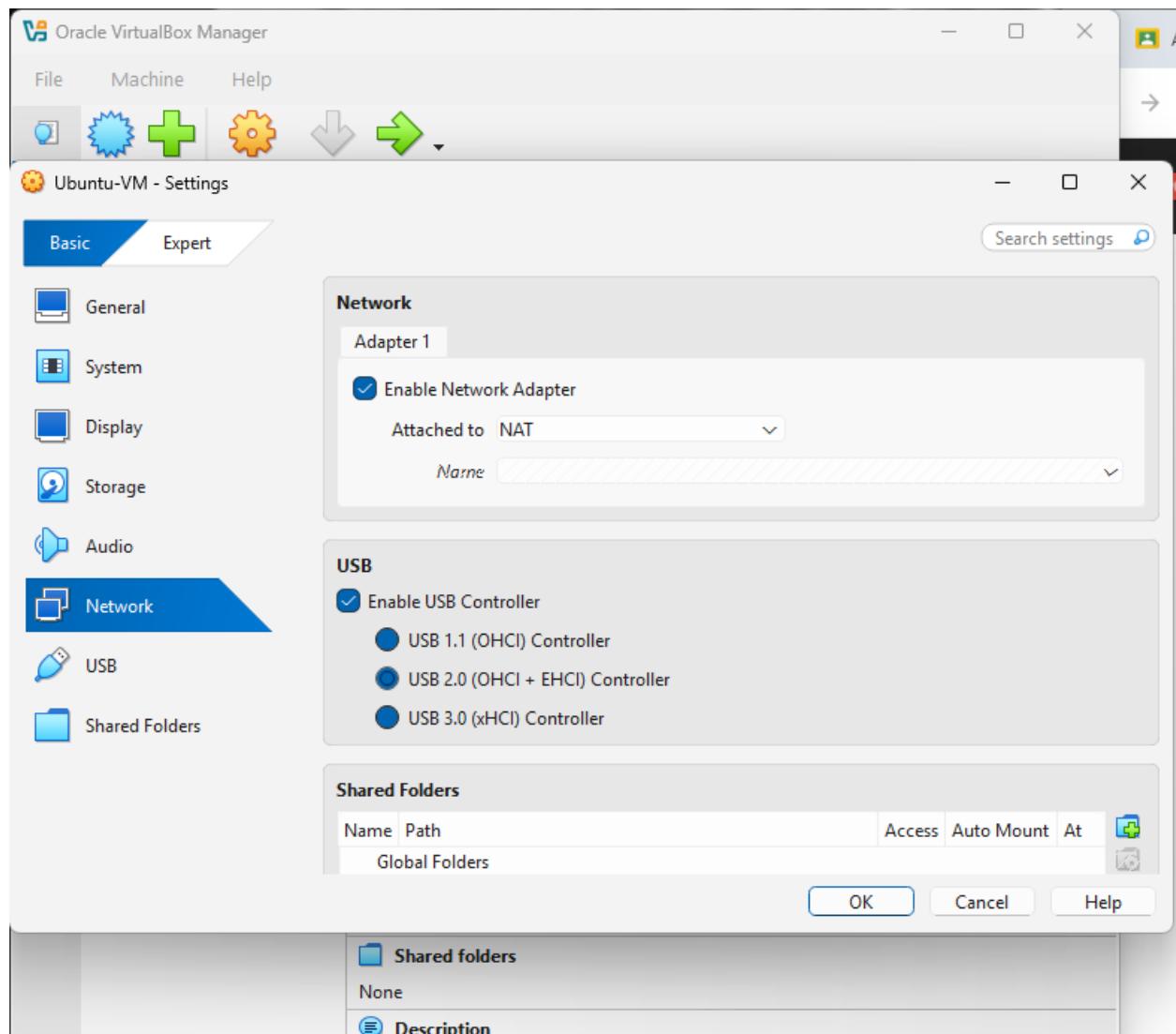
Creation d'une nouvelle machine virtuelle

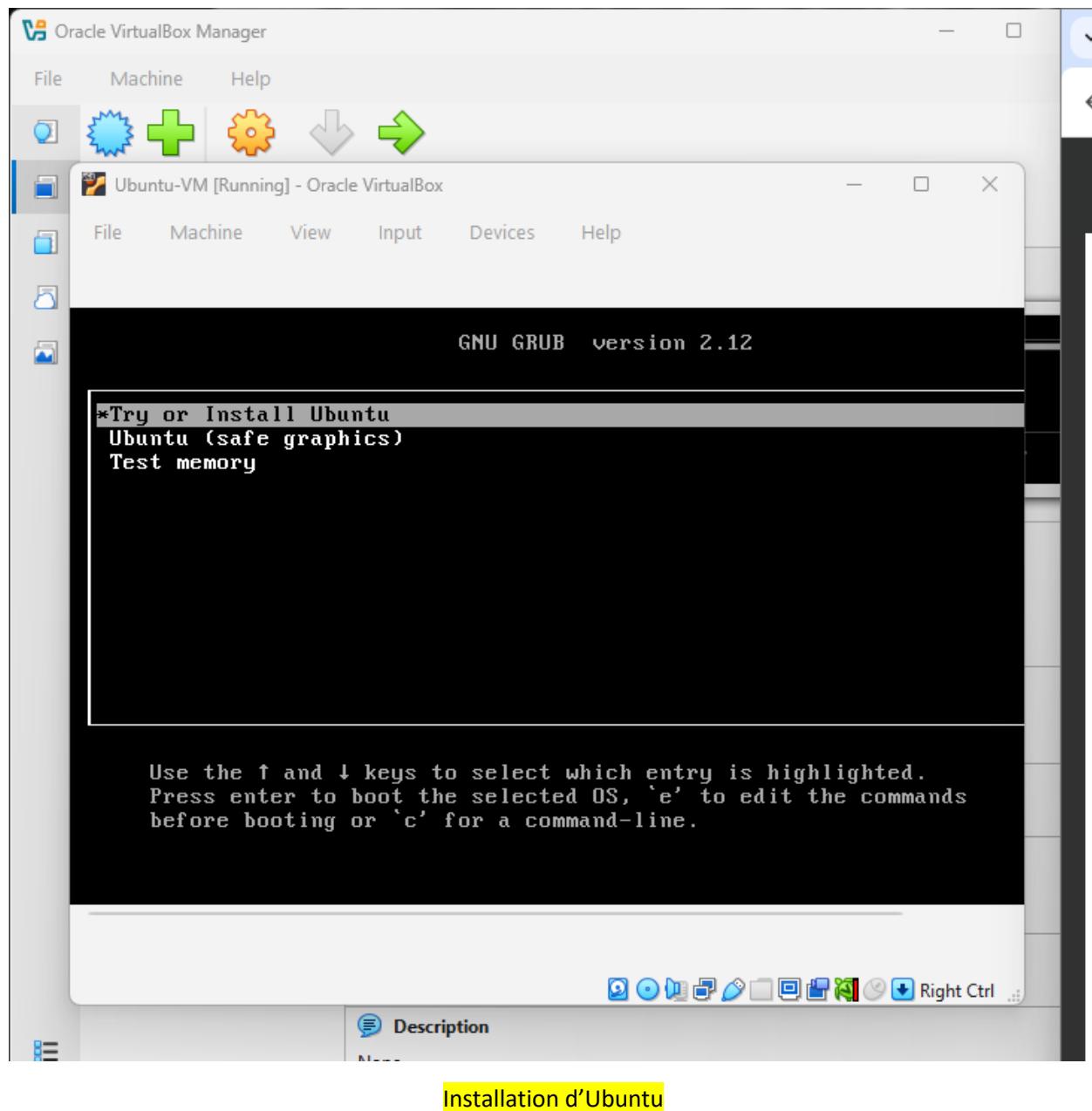


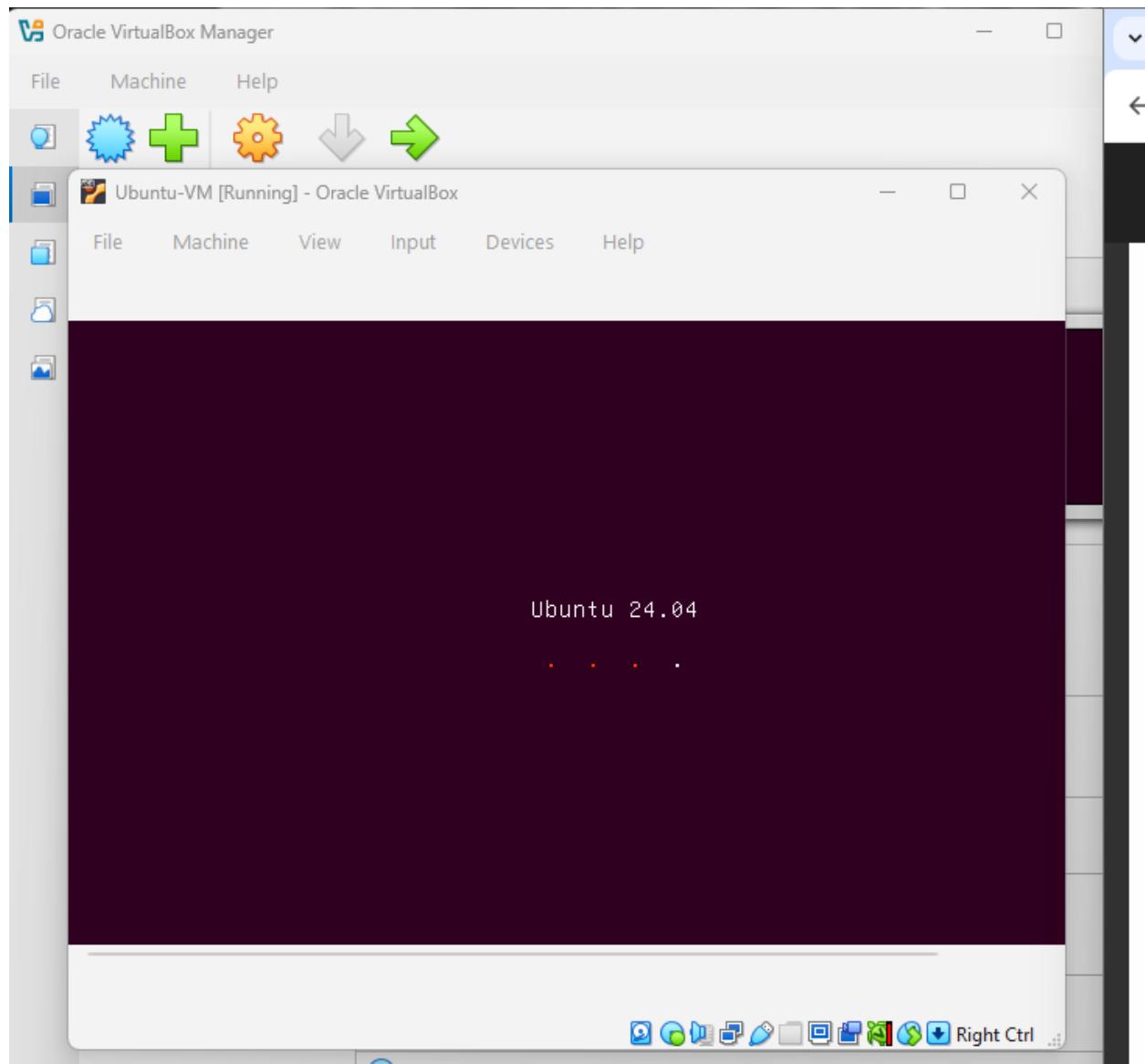
Configuration de la VM

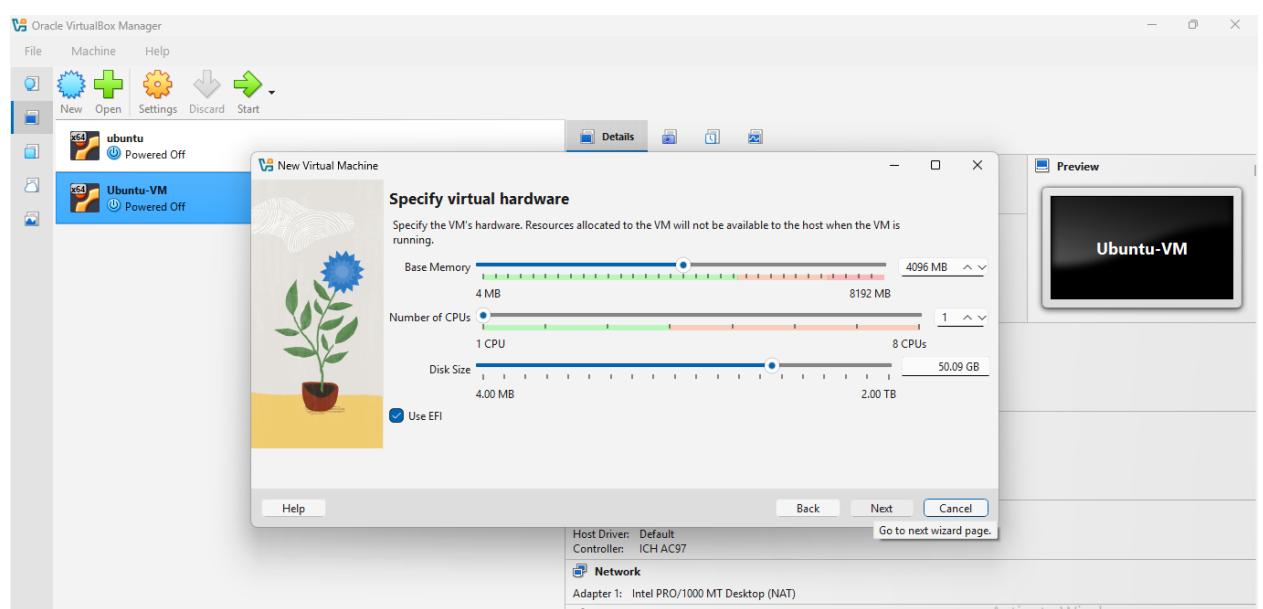
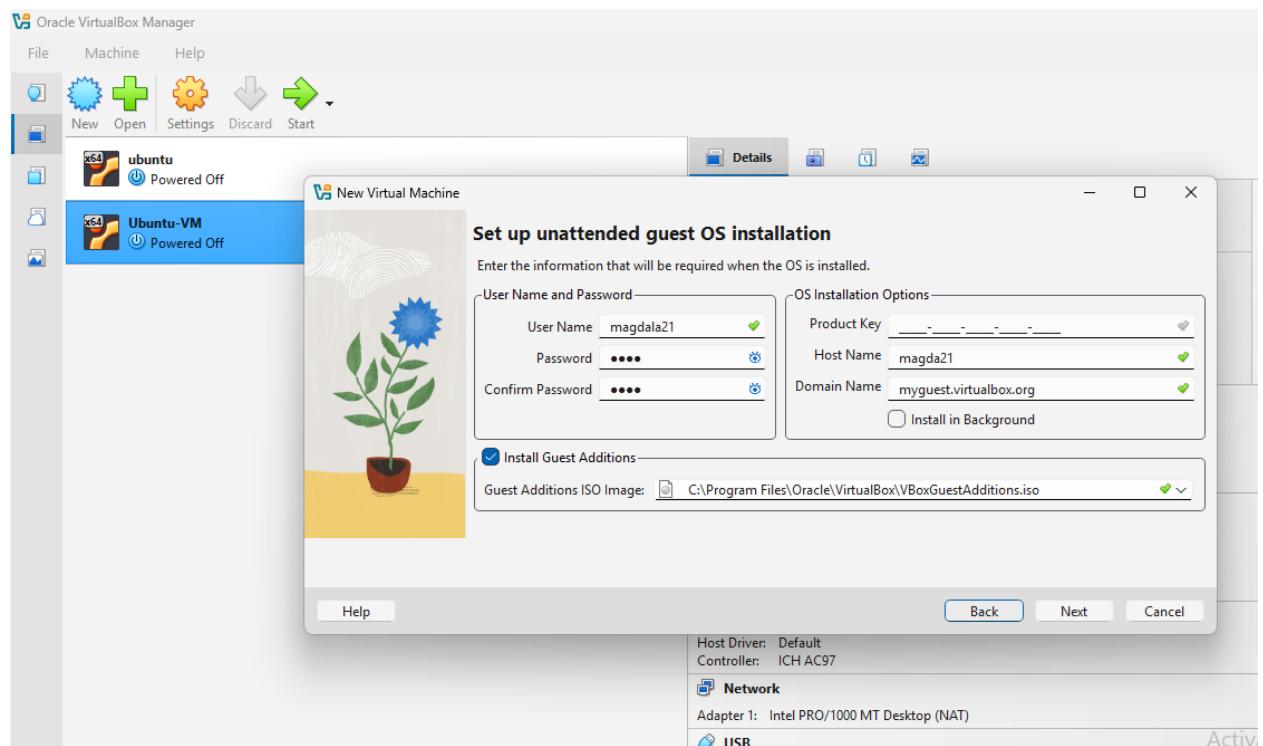




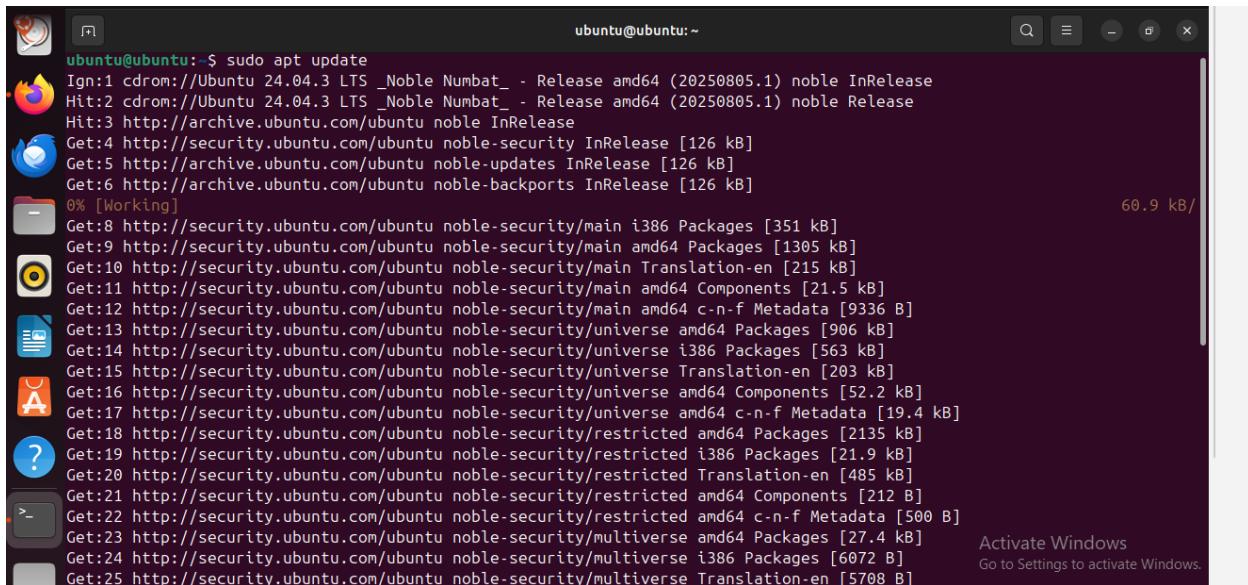






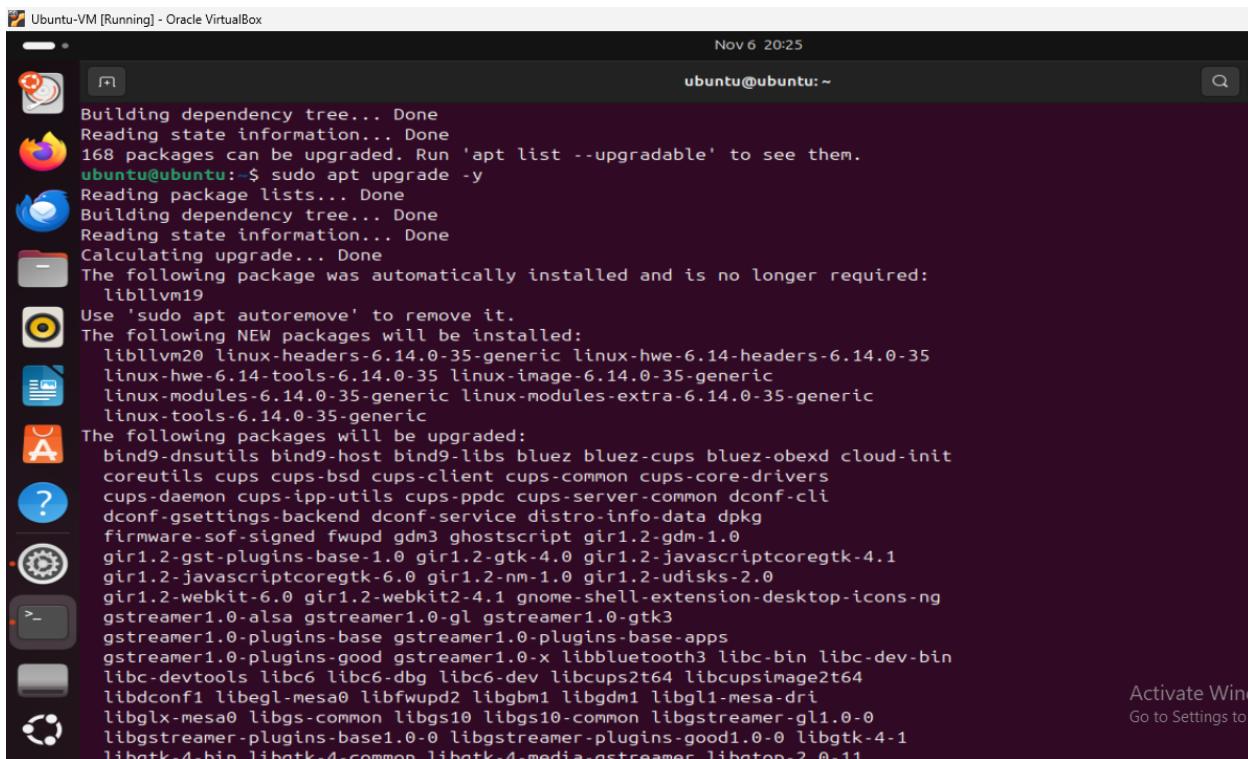


Configuration post-installation



A screenshot of a terminal window titled "ubuntu@ubuntu:~". The window shows the output of the command "sudo apt update". The progress bar at the bottom right indicates "60.9 kB/" has been downloaded. The terminal interface includes icons for various applications like Dash, Home, and Help.

```
ubuntu@ubuntu:~$ sudo apt update
Ign:1 cdrom://Ubuntu 24.04.3 LTS _Noble Numbat_ - Release amd64 (20250805.1) noble InRelease
Hit:2 cdrom://Ubuntu 24.04.3 LTS _Noble Numbat_ - Release amd64 (20250805.1) noble Release
Hit:3 http://archive.ubuntu.com/ubuntu noble InRelease
Get:4 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:5 http://archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:6 http://archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
0% [Working]
Get:8 http://security.ubuntu.com/ubuntu noble-security/main i386 Packages [351 kB]
Get:9 http://security.ubuntu.com/ubuntu noble-security/main amd64 Packages [1305 kB]
Get:10 http://security.ubuntu.com/ubuntu noble-security/main Translation-en [215 kB]
Get:11 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [21.5 kB]
Get:12 http://security.ubuntu.com/ubuntu noble-security/main amd64 c-n-f Metadata [9336 B]
Get:13 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Packages [906 kB]
Get:14 http://security.ubuntu.com/ubuntu noble-security/universe i386 Packages [563 kB]
Get:15 http://security.ubuntu.com/ubuntu noble-security/universe Translation-en [203 kB]
Get:16 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [52.2 kB]
Get:17 http://security.ubuntu.com/ubuntu noble-security/universe amd64 c-n-f Metadata [19.4 kB]
Get:18 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Packages [2135 kB]
Get:19 http://security.ubuntu.com/ubuntu noble-security/restricted i386 Packages [21.9 kB]
Get:20 http://security.ubuntu.com/ubuntu noble-security/restricted Translation-en [485 kB]
Get:21 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [212 B]
Get:22 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 c-n-f Metadata [500 B]
Get:23 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Packages [27.4 kB]
Get:24 http://security.ubuntu.com/ubuntu noble-security/multiverse i386 Packages [6072 B]
Get:25 http://security.ubuntu.com/ubuntu noble-security/multiverse Translation-en [5708 B]
```



A screenshot of a terminal window titled "ubuntu@ubuntu:~". The window shows the output of the command "sudo apt upgrade -y". It lists packages being upgraded, newly installed packages, and packages being removed. The terminal interface includes icons for Dash, Home, Help, and a gear icon for settings.

```
Building dependency tree... Done
Reading state information... Done
168 packages can be upgraded. Run 'apt list --upgradable' to see them.
ubuntu@ubuntu:~$ sudo apt upgrade -y
Reading package lists...
Building dependency tree...
Reading state information...
Calculating upgrade...
The following package was automatically installed and is no longer required:
  liblvm19
Use 'sudo apt autoremove' to remove it.
The following NEW packages will be installed:
  liblvm20 linux-headers-6.14.0-35-generic linux-hwe-6.14.0-35
  linux-hwe-6.14.0-35-generic linux-image-6.14.0-35-generic
  linux-modules-6.14.0-35-generic linux-modules-extra-6.14.0-35-generic
  linux-tools-6.14.0-35-generic
The following packages will be upgraded:
  bind9-dnsutils bind9-host bind9-libs bluez bluez-cups bluez-obexd cloud-init
  coreutils cups cups-bsd cups-client cups-common cups-core-drivers
  cups-daemon cups-ipp-utils cups-ppdc cups-server-common dconf-cli
  dconf-gsettings-backend dconf-service distro-info-data dpkg
  firmware-sof-signed fwupd gdm3 ghostscript gir1.2-gdm-1.0
  gir1.2-gst-plugins-base-1.0 gir1.2-gtk-4.0 gir1.2-javascriptcoregtk-4.1
  gir1.2-javascriptcoregtk-6.0 gir1.2-nm-1.0 gir1.2-udisks-2.0
  gir1.2-webkit-6.0 gir1.2-webkit2-4.1 gnome-shell-extension-desktop-icons-ng
  gstreamer1.0-alsa gstreamer1.0-gl gstreamer1.0-gtk3
  gstreamer1.0-plugins-base gstreamer1.0-plugins-base-apps
  gstreamer1.0-plugins-good gstreamer1.0-x libbluetooth3 libc-bin libc-dev-bin
  libc-devtools libc6 libc6-dbg libc6-dev libcurl264 libcurlimage2t64
  libdconf1 libegl-mesa0 libfwupd2 libgbm1 libgdm1 libgl1-mesa-dri
  libglx-mesa0 libgs-common libgs10 libgs10-common libgstreamer-gl1.0-0
  libgstreamer-plugins-base1.0-0 libgstreamer-plugins-good1.0-0 libgtk-4-1
  libatk-4-bin libatk-4-common libatk-4-media-gstreamer libon-2.0-11
```

Pour conclure, bien que j'ai pas tout saisir mais , avec cette belle experience que je viens de faire a propos de virtualBox et Ubuntu. Vu avec les difficultés que j'ai rencontrée avec Ubuntu , lors de la configuration post-installation qui m'a signaler que j'ai pas assez d'espace des que je venais de mettre a jour avec la partie SUDO APT Upgrage – y, je pensais que j'allais pas teminer mon travail quand même , j' ai trouver une moyen de se débarrasser de ce problème, afin de mettre fin avec ce travail et là j'ai fini par comprendre petit a petit tout ce que j'ai réaliser avec mon courage. Je souhaite après chaque travail que je découvre une autre vie entant informaticienne car les travaux dirigés m'aide beaucoup a comprendre ce cours après chaque étape . je suis satisfaite, avec compréhension , je pense que j'allais encore beaucoup plus loin.