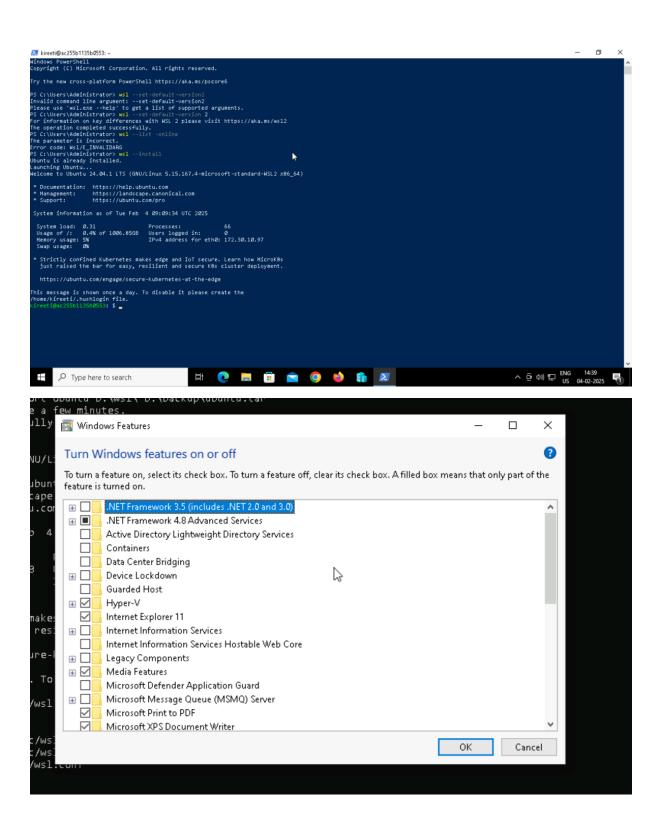
ENABLE WSL2 and LAUNCHING LINUX:



UPDATE & UPGRADE LINUX:

```
53:-$ sudo apt update
[sudo] password for kireeti:
Hit:1 http://archive.ubuntu.com/ubuntu noble InRelease
Get:2 http://archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]
Get:3 http://archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]
Get:4 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]
Get:5 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [838 kB]
Get:6 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [8972 B]
Get:7 http://archive.ubuntu.com/ubuntu noble-updates/main Translation-en [191 kB]
Get:8 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [151 kB]
Get:9 http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [1003 kB]
Get:10 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [52.0 kB]
Get:11 http://archive.ubuntu.com/ubuntu noble-updates/universe Translation-en [250 kB]
Get:12 http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [315 kB]
Get:13 http://archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Components [212 B]
Get:14 http://archive.ubuntu.com/ub_ntu noble-updates/multiverse amd64 Components [940 B]
Get:15 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [208 B]
Get:16 http://archive.ubuntu.com/ubuntu noble-backports/main amd64 Components [208 B]
Get:17 http://archive.ubuntu.com/ubuntu noble-backports/universe amd64 Components [17.7 kB]
Get:18 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [208 B]
Get:19 http://archive.ubuntu.com/ubuntu noble-backports/restricted amd64 Components [212 B]
Get:20 http://archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 Components [212 B]
Fetched 3207 kB in 5s (686 kB/s)
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
65 packages can be upgraded. Run 'apt list --upgradable' to see them.
```

```
Irreti@acc55011350555: $ sudo apt upgrade
Reading package lists... Done
Building dependency tree... Done
Reading package lists... Done
Galculating upgrade... Done
Calculating upgrade... Done
Calculating upgrade... Done
The following package was automatically installed and is no longer required:
iliclumi7t64
Use 'sudo apt autoremove' to remove it.
The following NEW packages will be installed:
libllwmi9 mesa-libgallium
The following packages will be upgraded:
libumind8 wal-setup
The following packages will be upgraded:
attr bsdextrautils bsdutfis eject fdisk kmod libattr1 libblkid1 libbsd0 libcap2 libcap2-bin libdrm-amdgpul libdrm-common libdrm
libdwited libegl-mesa libegilited libridisk1 libgbal libgl1-mesa-dri libglapi-mesa libglx-mesa0 libgmp10 libgg-error-110n libgrg
libmp6 libnghttp2-14 libnl-3-200 libnl-genl-3-200 libnl-route-3-200 libns-systemd lippam-cap libpam-systemd libpcre2-8-0 lib
libsqlited-0-libbsystemd-shared libbsystemd0 libudev1 librufstring5 libuvid1 mesa-vulkan-drivers mount perl perl-base perl-module
systemd-sysv systemd-timesyncd udev util-linux uuid-runtime
63 upgraded y sewly installed, 0 to remove and 2 not upgraded.
Need to get 78.1 MB of archives.
After this operation, 159 MB of additional disk space will be used.
Do you want to continue? [Y/n] Y
Set:1 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 bsdutils amd64 1:2.39.3-9ubuntu6.2 [95.2 kB]
Set:2 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 perl amd64 5.38.2-3.2build2.1 [1803 kB]
Set:3 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 perl-modules-5.38 all 5.38.2-3.2build2.1 [1803 kB]
Set:1 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 perl-modules-5.38 all 5.38.2-3.2build2.1 [1808 kB]
Set:1 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 perl-modules-5.38 all 5.38.2-3.2build2.1 [1808 kB]
Set:1 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 perl-modules-5.38 all 5.38.2-3.2build2.1 [1808 kB]
Set:16 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 libns-s-systemd
```

SWITCH BETWEEN WSL1 AND WSL2:

Run Linux as a Specific User:

```
Administrator: Command Prompt
```

```
Microsoft Windows [Version 10.0.19045.4291]

(c) Microsoft Corporation. All rights reserved.

C:\Users\Administrator>\wsl --list
Windows Subsystem for Linux Distributions:
docker-desktop (Default)
Ubuntu

C:\Users\Administrator>\wsl --setdefault Ubuntu
The operation completed successfully.

C:\Users\Administrator>\wsl --user kireeti
kireeti@ac255b1135b0553:/mnt/c/Users/Administrator$ exit
logout
```

MOVE/CLONE YOUR LINUX DISK IMAGE:

```
C:\Users\Administrator>mkdir D:\backup

C:\Users\Administrator>wsl --export Ubuntu D:\backup\ubuntu.tar

Export in progress, this may take a few minutes.

The operation completed successfully.

C:\Users\Administrator>wsl --unregister Ubuntu

Unregistering.

The operation completed successfully.

C:\Users\Administrator>_

C:\Users\Administrator>_
```

```
C:\Users\Administrator>mkdir D:\wsl
C:\Users\Administrator>wsl --import Ubuntu D:\wsl\ D:\backup\ubuntu.tar
Import in progress, this may take a few minutes.
The operation completed successfully.
C:\Users\Administrator>
```

```
C:\Users\Administrator>ubuntu
Welcome to Ubuntu 24.04.1 LTS (GNU/Linux 5.15.167.4-microsoft-standard-WSL2 x86_64)
 * Documentation: https://help.ubuntu.com
 * Management:
                  https://landscape.canonical.com
 * Support:
                  https://ubuntu.com/pro
System information as of Tue Feb 4 09:35:40 UTC 2025
 System load: 0.38
                                    Processes:
                                                           67
 Usage of /: 0.4% of 1006.85GB
                                    Users logged in:
                                                           0
 Memory usage: 5%
                                    IPv4 address for eth0: 172.30.10.97
 Swap usage:
 * Strictly confined Kubernetes makes edge and IoT secure. Learn how MicroK8s
  just raised the bar for easy, resilient and secure K8s cluster deployment.
  https://ubuntu.com/engage/secure-kubernetes-at-the-edge
This message is shown once a day. To disable it please create the
/root/.hushlogin file.
root@ac255b1135b0553:~# cat /etc/wsl.conf
[boot]
systemd=true
root@ac255b1135b0553:~# nano <u>/</u>etc/wsl.conf
```

os root@ac255b1135b0553: ~

```
GNU nano 7.2
[boot]
systemd=true
kireeti
default=kireeti_
```