Enable wsl2

Install linux

```
PS C:\Users\Administrator> wsl --install
Ubuntu is already installed.
Launching Ubuntu...
Welcome to Ubuntu 24.04.1 LTS (GNU/Linux 5.15.167.4-microsoft-standard-WSL2 x86_64)

* Documentation: https://help.ubuntu.com

* Hanagement: https://landscape.canonical.com

* Support: https://ubuntu.com/pro

System information as of Tue Feb 4 12:03:50 PKT 2025

System load: 0.46 Processes: 65
Usage of /: 0.2% of 1006.85GB Users logged in: 0

Memory usage: 5% IPv4 address for eth0: 172.30.10.97

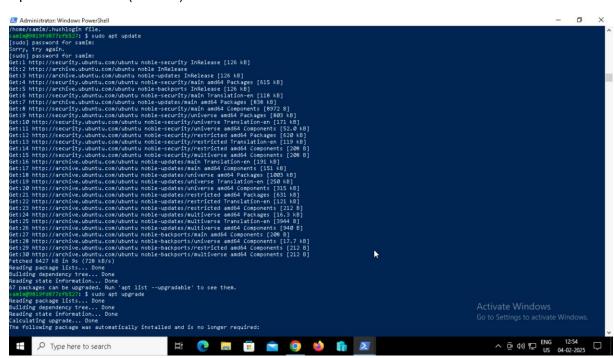
Swap usage: 0%

* 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
```

Update linux distro(Ubuntu)



Upgrade linux distro

```
## Administrator Windows PowerShell

Setting up libcap2-bin (1:2.66-5ubuntu2.1) ...

Setting up select (2.39.3-9ubuntu6.2) ...

Setting up pitocap2-bin (1:2.66-5ubuntu2.1) ...

Setting up pitom3-inja2 (3.1.2-lubuntu1.2) ...

Setting up pitom3-inja2 (3.1.2-lubuntu1.2) ...

Setting up libspir6-sand64 (4.2.1-lubu1d1.1) ...

Setting up libspir6-sand64 (4.2.8-lubuntu1.24.04.1) ...

Setting up libglap1-mesa:aand64 (2.2.8-lubuntu1.24.04.1) ...

Setting up mount (2.39.3-9ubuntu6.2) ...

Setting up mount (2.39.3-9ubuntu6.2) ...

Setting up mount (2.39.3-9ubuntu6.2) ...

Setting up libn1-3 dddatadd (3.7.6-48.bubid1.1) ...

Setting up libn2-dddatadd (3.7.6-48.bubid1.1) ...

Setting up libn2-dddatadd (3.7.6-48.bubid1.1) ...

Setting up libn2-dddatadd (3.7.6-48.bubid1.1) ...

Setting up libn2-common (2.4.122-1-ubuntu6.24.04.1) ...

Setting up libpa-common (2.4.122-1-ubuntu6.24.04.1) ...

Setting up libm0-common (2.4.122-1-ubuntu6.24.04.1) ...

Setting up libm0-common (2.4.122-1-ubuntu6.24.04.2) ...

Setting up libm0-common (2.4.122-1-ubuntu6.24.04.2) ...

Setting up libm0-common (2.4.122-1-ubuntu6.24.04.2) ...

Setting up libm0-common (3.4.122-1-ubuntu6.24.04.2) ...

Setting up libm1-common-common (3.4.122-1-ubuntu6.24.04.1) ...

Setting up libm3-cammon (3.4.122-1-ubuntu6.24.04.1) ...

Setting up set (3.5.4.1ubuntu6.3) ...

Setting up systend (3.5.4.1ubuntu6.5) ...

Setting up systend (3.5.4.1ubuntu6.5) ...

Setting up libpa1-masad-crimanadd (3.4.2.8-1ubuntu6.24.04.1) ...

Setting up libpa1-masad-crimanadd (3.5.4.1ubuntu6.5) ...

Setting up
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ø
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ^ 효 句》 및 ENG 12:54 및
US 04-02-2025 및
                      Type here to search
                                                                                                                                                                                                                                                                                                                                                                                                                                                             耳 😍 🔚 📋 🧰 🧐 🐞 🍒
```

Switch between wsl 1 and wsl 2

PS C:\Users\Administrator> wsl --set-version Ubuntu 1 Conversion in progress, this may take a few minutes. The operation completed successfully.

Run the version

```
PS C:\Users\Administrator> wsl -d Ubuntu
```

```
;amim@9819fd877cfb527:/mnt
                                                  $ exit
logout
S C:\Users\Administrator> wsl --list --verbose
                    STATE
                                     VERSION
  NAME
                                     2
* docker-desktop
                    Running
  Ubuntu
                    Running
```

Set a default linux distro

```
S C:\Users\Administrator> wsl -
Windows Subsystem for Linux Distributions:
docker-desktop (Default)
Ubuntu
PS C:\Users\Administrator> 🕳
PS C:\Users\Administrator> wsl --setdefault Ubuntu
The operation completed successfully.
PS C:\Users\Administrator> wsl --list
Windows Subsystem for Linux Distributions:
Ubuntu (Default)
docker-desktop
```

Move or clone your linux disk image

```
PS C:\Users\Administrator> mkdir D:\backup
    Directory: D:\
Mode
                     LastWriteTime
                                           Length Name
             04-02-2025 14:14
d----
                                                  backup
PS C:\Users\Administrator> wsl --export Ubuntu D:\backup\ubuntu.tar
Export in progress, this may take a few minutes.
The operation completed successfully.
PS C:\Users\Administrator> wsl --list
```

```
Windows Subsystem for Linux Distributions:
Ubuntu (Default)
docker-desktop
PS C:\Users\Administrator> wsl --unregister Ubuntu
Unregistering.
The operation completed successfully.
PS C:\Users\Administrator> wsl --list
Windows Subsystem for Linux Distributions:
docker-desktop (Default)
```

```
PS C:\Users\Administrator> mkdir D:\wsl
   Directory: D:\
                   LastWriteTime
Mode
                                        Length Name
            04-02-2025 14:16
                                               wsl
```

```
PS 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.
```

Switch to your account

```
PS C:\Users\Administrator> ubuntu config --default-user samim
```

Cloning

```
PS C:\Users\Administrator> wsl --import Clone01 D:\wsl\ D:\backup\ubuntu.tar
Import in progress, this may take a few minutes.
The supplied install location is already in use.
Error code: Wsl/Service/RegisterDistro/ERROR_FILE_EXISTS
PS C:\Users\Administrator> wsl --import Another D:\wsl\ D:\backup\ubuntu.tar
Import in progress, this may take a few minutes.
The supplied install location is already in use.
Error code: Wsl/Service/RegisterDistro/ERROR_FILE_EXISTS
PS C:\Users\Administrator> touch /etc/wsl.conf
```

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

```
samim@9819fd877cfb527:~$ sudo touch /etc/wsl.conf [sudo] password for samim:
samim@9819fd877cfb527:~$ sudo nano /etc/wsl.conf
samim@9819fd877cfb527:~$ cd ~
```

```
samim@9819fd877cfb527:~$ cd ~
samim@9819fd877cfb527:~$ ln -s /mnt/c/projects/code
samim@9819fd877cfb527:~$ ls
add.sh arr4.sh bubblesort.sh for2.sh fun2.sh let.sh
and.sh arr5.sh case1.sh for3.sh fun3.sh multiple_else_if.sh
andor.sh arr6.sh case2.sh for4.sh fun4.sh my-svn-repo
arr1.sh arr7.sh code for5.sh fun5.sh my-working-copy
arr10.sh arr8.sh comp.sh for6.sh hello.sh nest.sh
arr11.sh arr9.sh double.sh for7.sh if.sh nested.sh
arr12.sh arr_sum.sh else_if.sh for8.sh if_else.sh new-git-repo
arr2.sh back.sh for1.sh for9.sh if_script.sh or.sh
arr3.sh backup.sh for10.sh fun1.sh join.sh palindrome.sh
```

```
samim@9819fd877cfb527:~$ ls -l code
lrwxrwxrwx 1 samim samim 20 Feb 4 09:12 code -> /mnt/c/projects/code
```

Accessing windows files from linux

```
samim@9819fd877cfb527:-$ code ~/projects/mywebsite
samim@9819fd877cfb527:-$ sudo apt install gedit
[sudo] password for samim:
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
The following package was automatically installed and is no longer required:
libilvm17t64
Use 'sudo apt autoremove' to remove it.
The following additional packages will be installed:
alsa-topology-conf alsa-ucm-conf aspell aspell-en bubblewrap dictionaries-common docbook-xml emacsen-common enc
girl.2-atk-1.0 girl.2-freedesktop girl.2-gdkpixbuf-2.0 girl.2-gtk-3.0 girl.2-gtksource-300 girl.2-harfbuzz-0.0
girl.2-tepl-6 glib-networking glib-networking-common glib-networking-services gstreamer1.0-glug
gstreamer1.0-x hunspell-en-us libaa1 libadwalta-1-0 libasound2-data libasound2t64 libaspell15 libasyncns0 libat
libcairo-script-interpreter2 libcdparanoia0 libdv4t64 libenchant-2-2 libevdev2 libflac12t64 libgedit-amtk-5-0 l
libgedit-gtksourceview-300-0 libgstreamer-plugins-base1.0-0 libgstreamer-plugins-oat64 liboge0 liborus0 liborus0 libgtk-4-common libgtk-4-
libhandy-1-0 libharfbuzz-gobject0 libharfbuzz-icu0 libhunspell-1.7-0 libhyphen0 libiec61883-0 libjavascriptcore
libjson-glib-1.0-common libspa-0.2-modules libspeex1 librag1v5 librag1v5-van1lla libtepl-6-4 libsecret-common
libsoup-3.0-common libspa-0.2-modules libspeex1 librag1v5 librag1v5-van1lla libt
```

Installing gedit in both windows and linux

