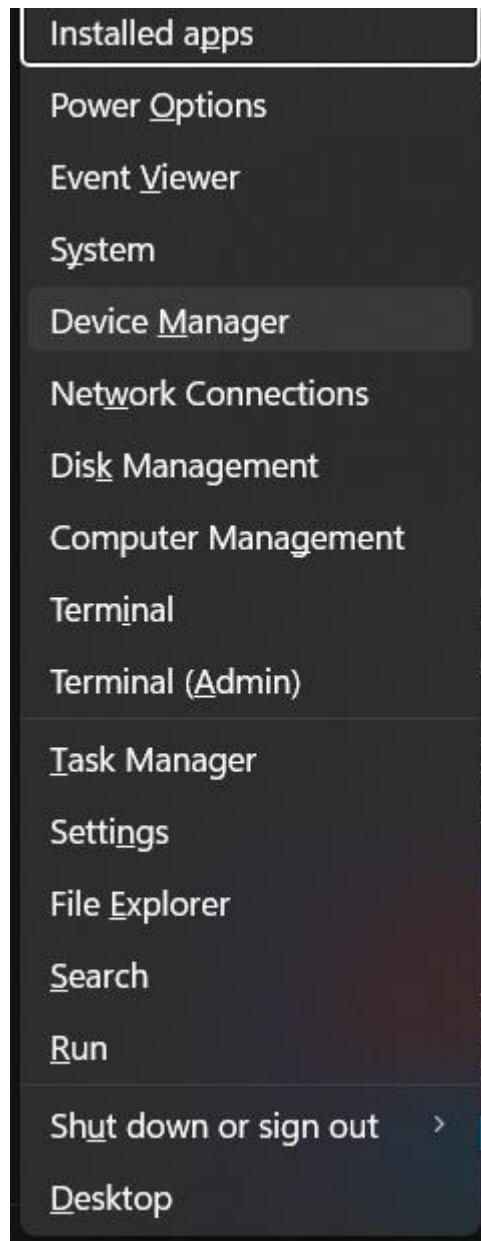


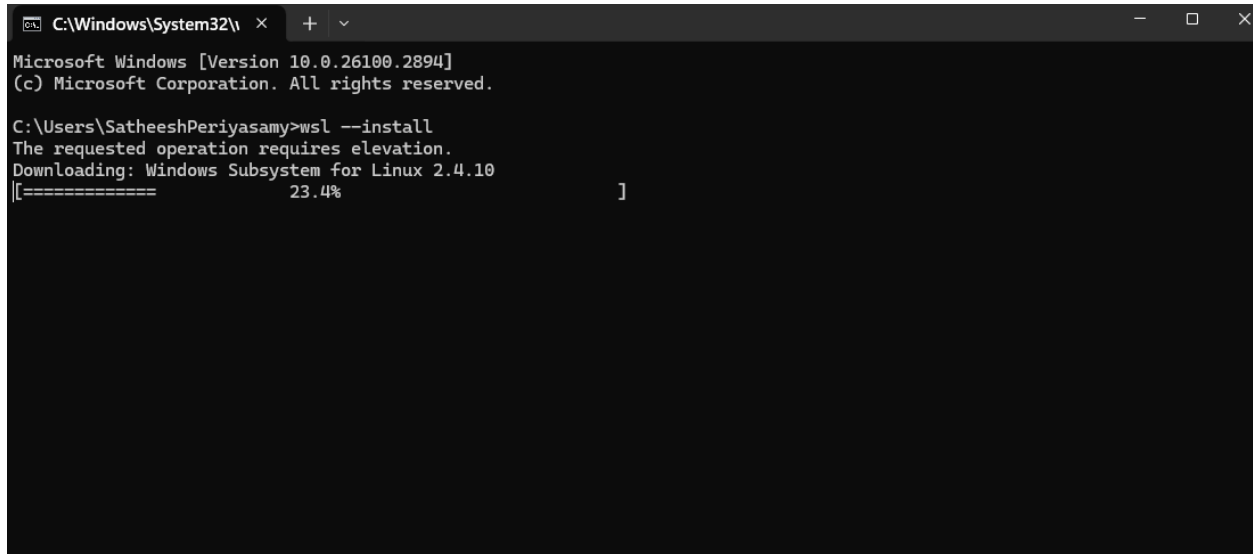
WSL INSTALLATION

Before installing WSL, let's know about it. WSL stands for Windows Subsystem for Linux, offered by Microsoft Windows, which allows users to use Linux Environment in their windows machine, without Creating Virtual Machines or Dual Booting.

Step 1: Use the key combination of Windows + X, which would open this and select **Terminal (Admin)** to gain the Admin Access.



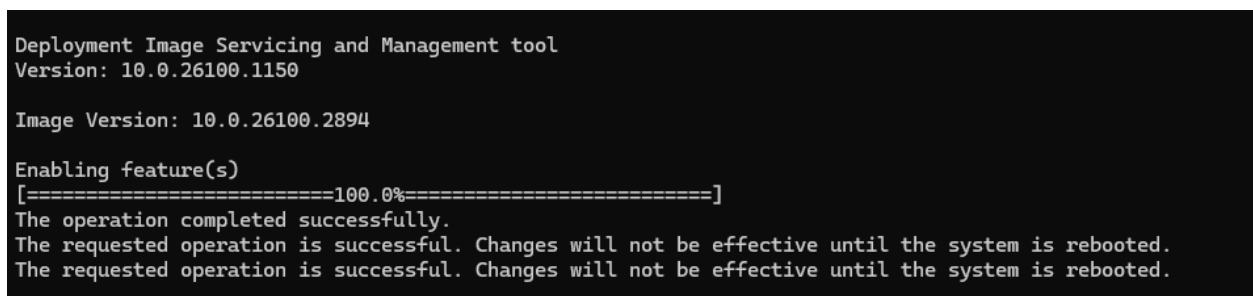
Step 2: In the opened terminal, run the command `wsl --install` (wsl space double hyphen install) which will install WSL in the windows.



```
C:\Windows\System32\ x + v
Microsoft Windows [Version 10.0.26100.2894]
(c) Microsoft Corporation. All rights reserved.

C:\Users\SatheeshPeriyasamy>wsl --install
The requested operation requires elevation.
Downloading: Windows Subsystem for Linux 2.4.10
[===== 23.4% ]
```

Step 3: After the command is being executed, the wsl is pulled from the cloud and being installed automatically.



```
Deployment Image Servicing and Management tool
Version: 10.0.26100.1150

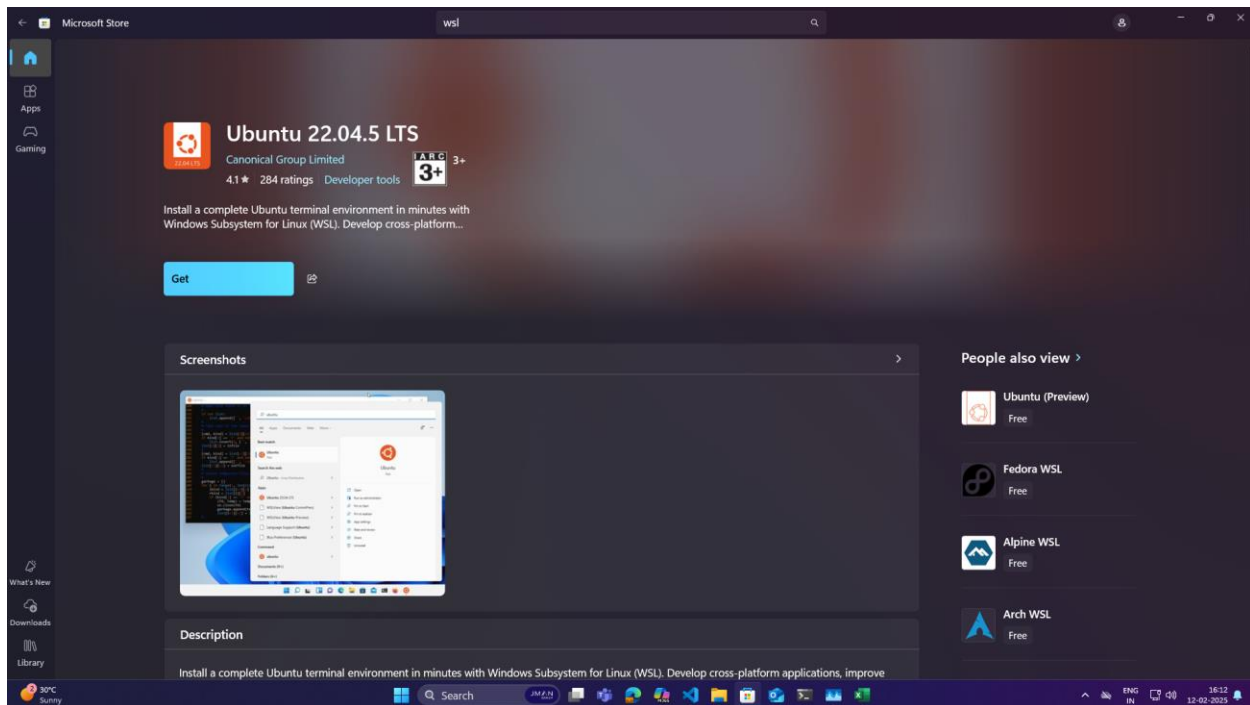
Image Version: 10.0.26100.2894

Enabling feature(s)
[=====100.0%=====]
The operation completed successfully.
The requested operation is successful. Changes will not be effective until the system is rebooted.
The requested operation is successful. Changes will not be effective until the system is rebooted.
```

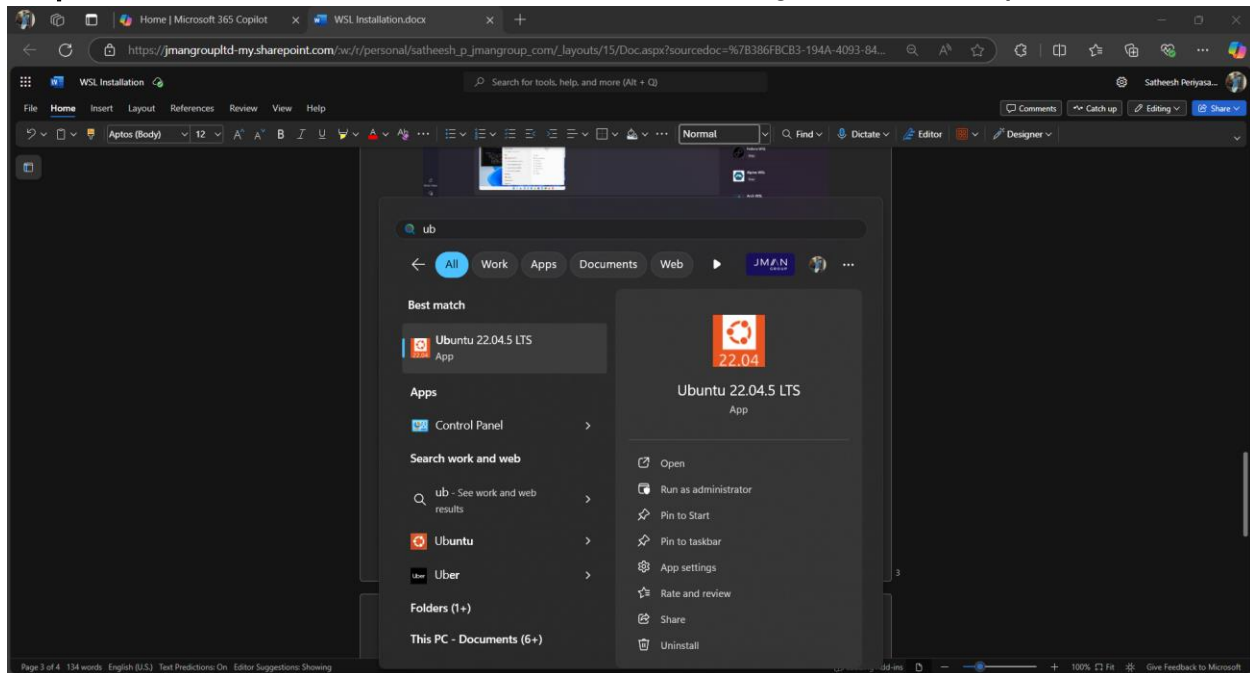
Step 4: The system needs to be restarted so that the changes will be updated in the Windows.

Step 5: To install the Ubuntu, go to Microsoft store and search for Ubuntu which will list various versions of the Ubuntu. Choose the latest stable version available. I go with

Ubuntu 22.04.5.



Step 6: After Ubuntu is installed, it can be found through Search and open it.



Step 7: It will open Ubuntu, and it will take few seconds to install first and it will ask you to set up your own username and password and it is ready to use.

```
Ubuntu 22.04.5 LTS x + v
Installing, this may take a few minutes...
Please create a default UNIX user account. The username does not need to match your Windows username.
For more information visit: https://aka.ms/wslusers
Enter new UNIX username: |
```

```
satheesh_periyasamy@J x + v
Installing, this may take a few minutes...
Please create a default UNIX user account. The username does not need to match your Windows username.
For more information visit: https://aka.ms/wslusers
Enter new UNIX username: satheesh_periyasamy
New password:
Retype new password:
passwd: password updated successfully
Installation successful!
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

Welcome to Ubuntu 22.04.5 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 Wed Feb 12 18:35:22 IST 2025

System load:  0.0          Processes:      55
Usage of /:   0.1% of 1006.85GB   Users logged in:  0
Memory usage: 10%          IPv4 address for eth0: 172.19.177.87
Swap usage:  0%

This message is shown once a day. To disable it please create the
/home/satheesh_periyasamy/.hushlogin file.
satheesh_periyasamy@JM-DKT-025:~$ pwd
/home/satheesh_periyasamy
satheesh_periyasamy@JM-DKT-025:~$ |
```

Happy Coding :-)