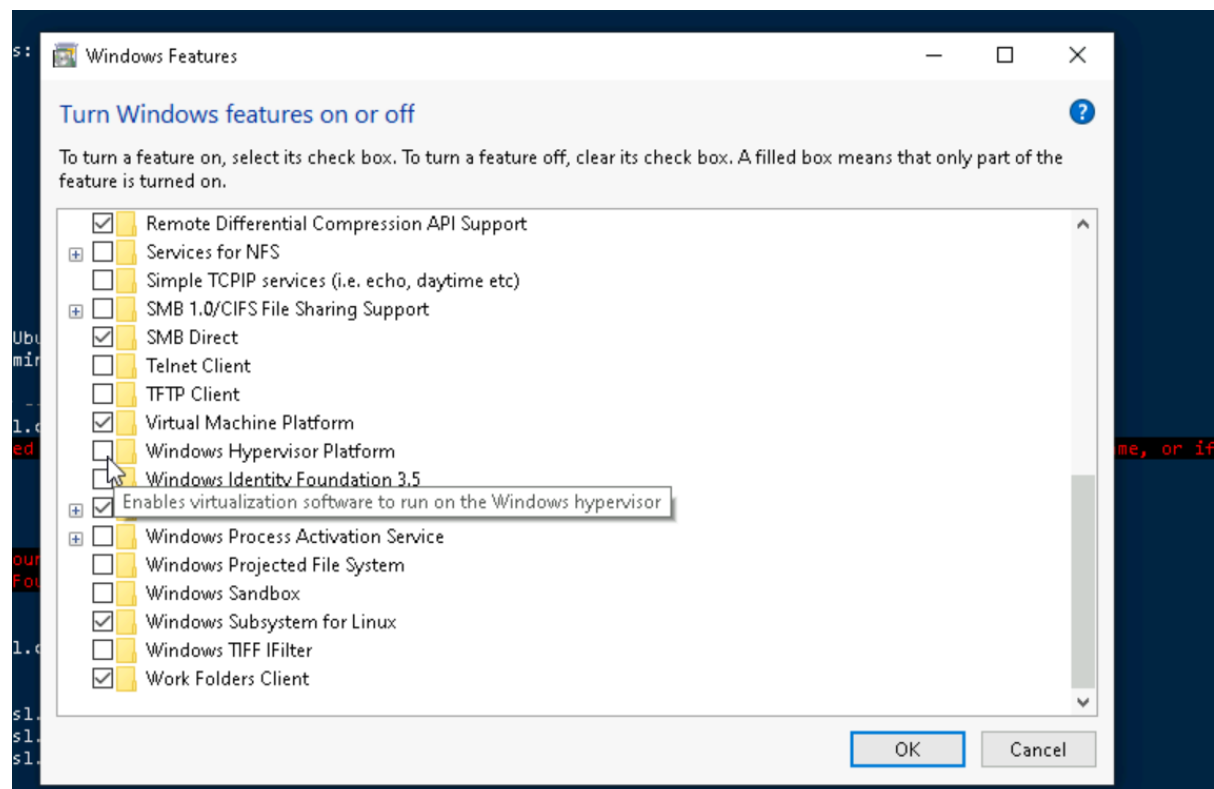


## WSL INSTALLATION

```
PS C:\Users\Administrator> wsl --version
WSL version: 2.3.26.0
Kernel version: 5.15.167.4-1
WSLg version: 1.0.65
MSRDC version: 1.2.5620
Direct3D version: 1.611.1-81528511
DXCore version: 10.0.26100.1-240331-1435.ge-release
Windows version: 10.0.19045.4291
PS C:\Users\Administrator> wsl --update
Checking for updates.
The most recent version of Windows Subsystem for Linux is already installed.
```



```
harish129@66c459cb7f2a51a: ~  
Windows PowerShell  
Copyright (C) Microsoft Corporation. All rights reserved.  
  
Try the new cross-platform PowerShell https://aka.ms/pscore6  
  
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  
* Management:    https://landscape.canonical.com  
* Support:       https://ubuntu.com/pro  
  
System information as of Tue Feb  4 08:59:46 UTC 2025  
  
System load:  0.67          Processes:            41  
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  
/home/harish129/.hushlogin file.
```

## Update Linux:

```
harish129@66c459cb7f2a51a:~$ sudo apt update && sudo apt upgrade  
[sudo] password for harish129:  
Hit:1 http://archive.ubuntu.com/ubuntu noble InRelease  
Get:2 http://security.ubuntu.com/ubuntu noble-security InRelease [126 kB]  
Get:3 http://archive.ubuntu.com/ubuntu noble-updates InRelease [126 kB]  
Get:4 http://archive.ubuntu.com/ubuntu noble-backports InRelease [126 kB]  
Get:5 http://security.ubuntu.com/ubuntu noble-security/main amd64 Components [8972 B]  
Get:6 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 Packages [838 kB]  
Get:7 http://security.ubuntu.com/ubuntu noble-security/universe amd64 Components [52.0 kB]  
Get:8 http://archive.ubuntu.com/ubuntu noble-updates/main Translation-en [191 kB]  
Get:9 http://security.ubuntu.com/ubuntu noble-security/restricted amd64 Components [208 B]  
Get:10 http://archive.ubuntu.com/ubuntu noble-updates/main amd64 Components [151 kB]  
Get:11 http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 Packages [1003 kB]  
Get:12 http://security.ubuntu.com/ubuntu noble-security/multiverse amd64 Components [208 B]  
Get:13 http://archive.ubuntu.com/ubuntu noble-updates/universe Translation-en [250 kB]  
Get:14 http://archive.ubuntu.com/ubuntu noble-updates/universe amd64 Components [315 kB]  
Get:15 http://archive.ubuntu.com/ubuntu noble-updates/restricted amd64 Components [212 B]  
Get:16 http://archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Packages [16.3 kB]  
Get:17 http://archive.ubuntu.com/ubuntu noble-updates/multiverse amd64 Components [940 B]  
Get:18 http://archive.ubuntu.com/ubuntu noble-backports/main amd64 Components [208 B]  
Get:19 http://archive.ubuntu.com/ubuntu noble-backports/universe amd64 Components [17.7 kB]  
Get:20 http://archive.ubuntu.com/ubuntu noble-backports/restricted amd64 Components [212 B]  
Get:21 http://archive.ubuntu.com/ubuntu noble-backports/multiverse amd64 Components [212 B]  
Fetched 3224 kB in 4s (724 kB/s)  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
26 packages can be upgraded. Run 'apt list --upgradable' to see them.  
Reading package lists... Done  
Building dependency tree... Done  
Reading state information... Done  
Calculating upgrade... Done  
The following package was automatically installed and is no longer required:  
  liblvm17t64
```

### Switch between WSL 1 and WSL 2:

```
PS C:\Users\Administrator> wsl --list --verbose
  NAME                STATE      VERSION
* docker-desktop      Stopped    2
  Ubuntu              Stopped    1
PS C:\Users\Administrator> wsl --set-version Ubuntu 2
For information on key differences with WSL 2 please visit https://aka.ms/wsl2
Conversion in progress, this may take a few minutes.
The operation completed successfully.
PS C:\Users\Administrator> wsl --list --verbose
  NAME                STATE      VERSION
* docker-desktop      Stopped    2
  Ubuntu              Stopped    2
PS C:\Users\Administrator>
```

```
PS C:\Users\Administrator> wsl --list
Windows Subsystem for Linux Distributions:
docker-desktop (Default)
Ubuntu
PS C:\Users\Administrator> wsl --setdefault Ubuntu
The operation completed successfully.
PS C:\Users\Administrator> wsl --user
Argument --user is missing a required parameter.
PS C:\Users\Administrator> wsl --user harish129
harish129@6c459cb7f2a51a:/mnt/c/Users/Administrator$
```

## Moving Linux Disk Image:

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

Directory: D:\

Mode                LastWriteTime         Length Name
----                -
d-----          04-02-2025         14:54         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 --unregister Ubuntu
Unregistering.
The operation completed successfully.
```

```
PS C:\Users\Administrator> ubuntu
harish129@66c459cb7f2a51a:~$ cat /etc/wsl.conf
[boot]
systemd=true
harish129@66c459cb7f2a51a:~$ nano /etc/wsl.conf
```

```
harish129@66c459cb7f2a51a: ~
GNU nano 7.2 /etc/wsl.conf *
[boot]
systemd=true
harish129
default=harish129
```