WSL

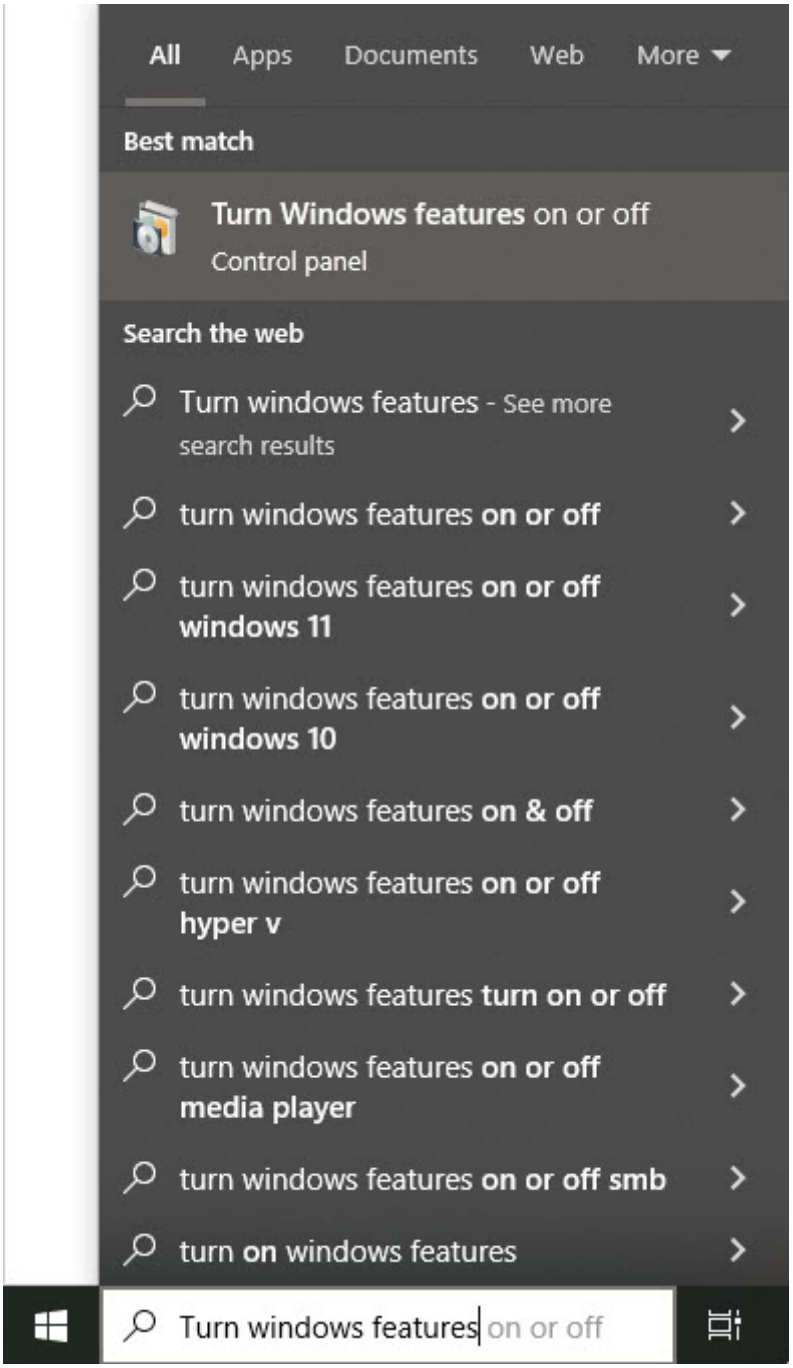
- WSL
- Windows Terminal
- WSL
- Linux WSL
- WSL 2 (default)

WSL

Windows

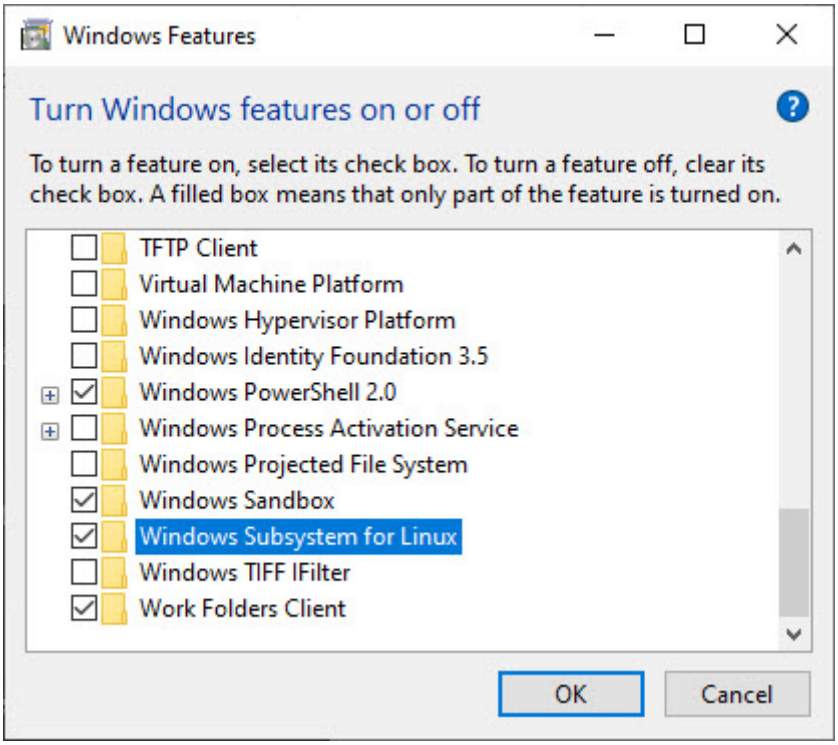
Turn Windows Features on or off

click Windows Features



Windows Subsystem for Linux (WSL)

OK



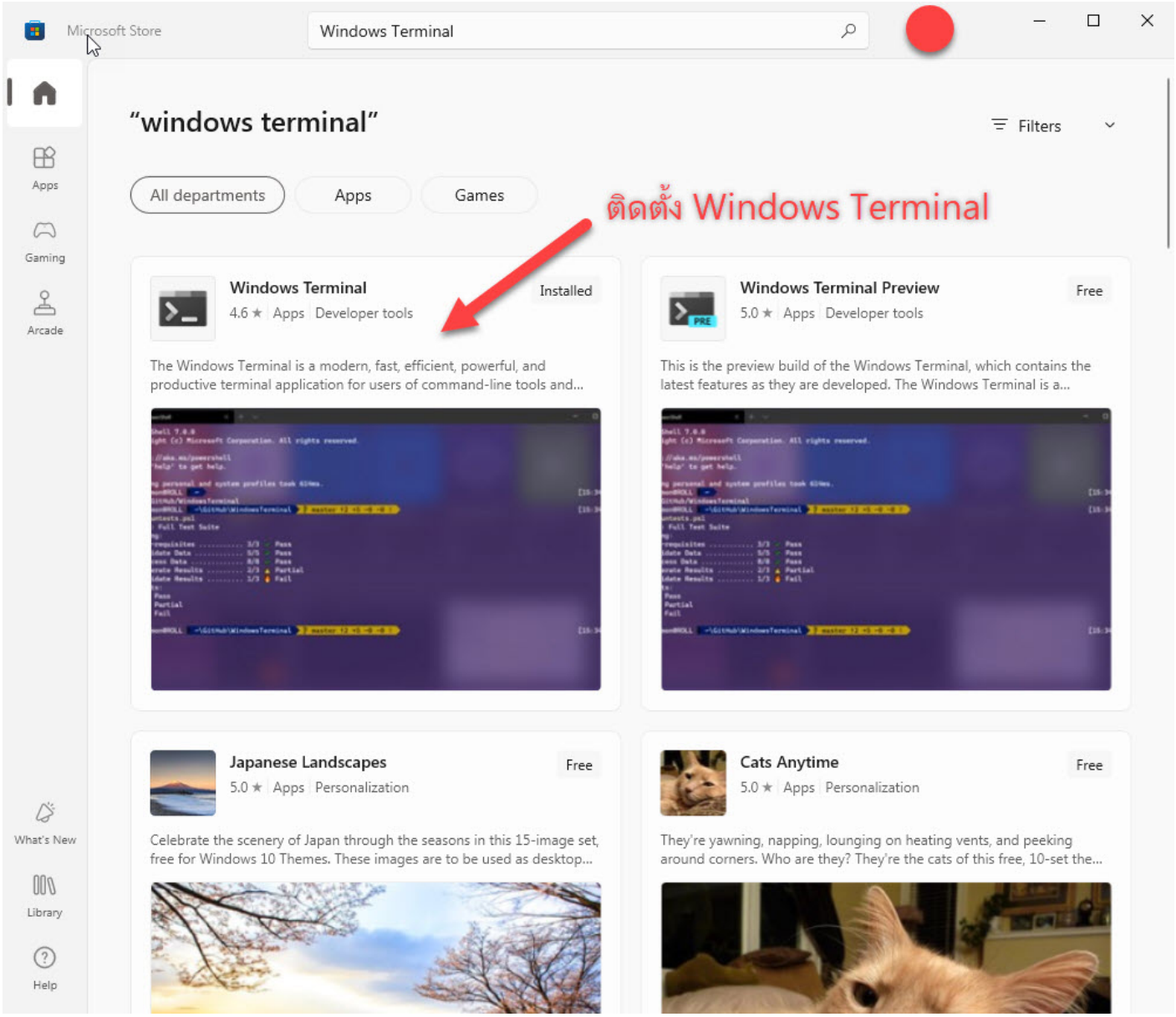
restart Windows 1

Windows Terminal

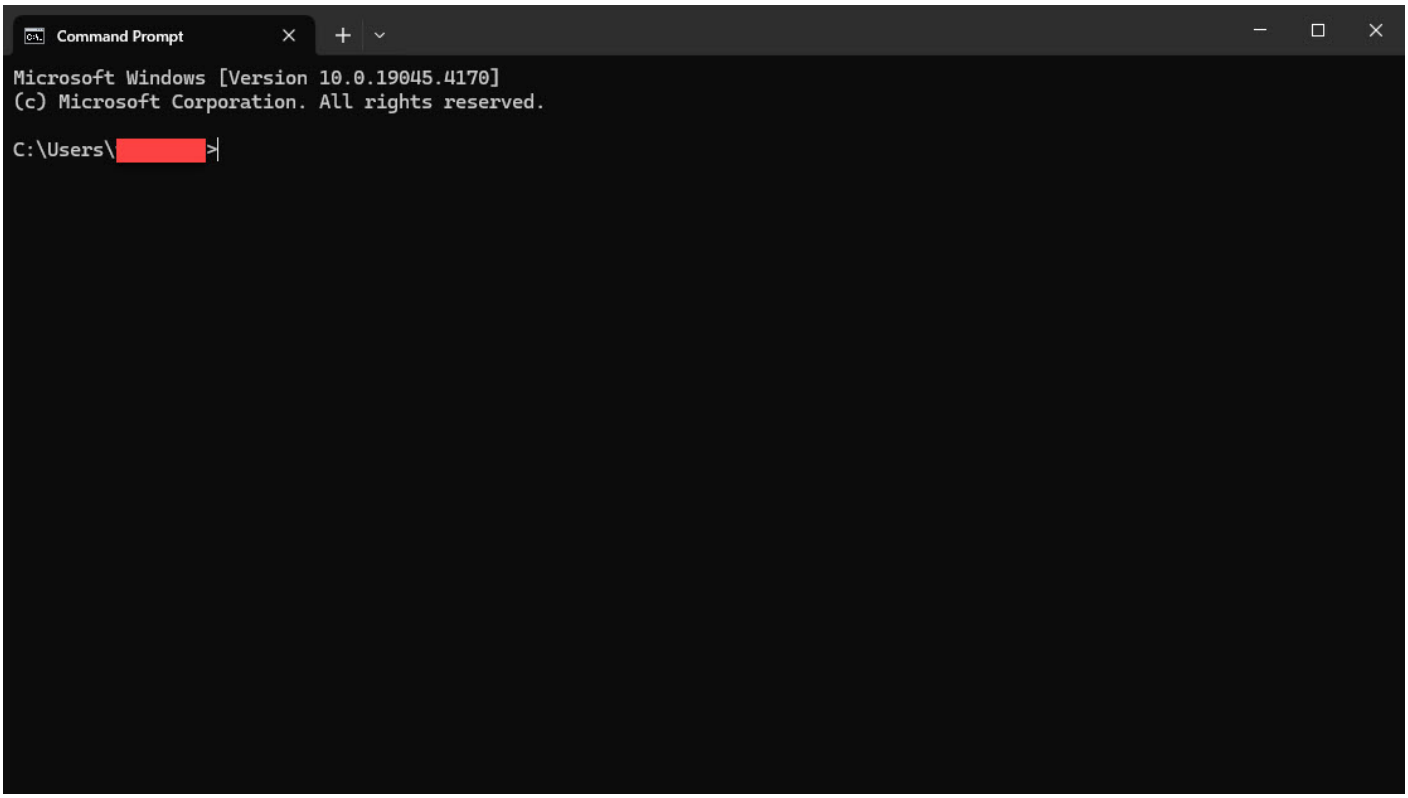
Command Prompt Windows Powershell Windows WSL

Terminal WSL (2024) Windows Terminal

Microsoft Store Windows Terminal ( )

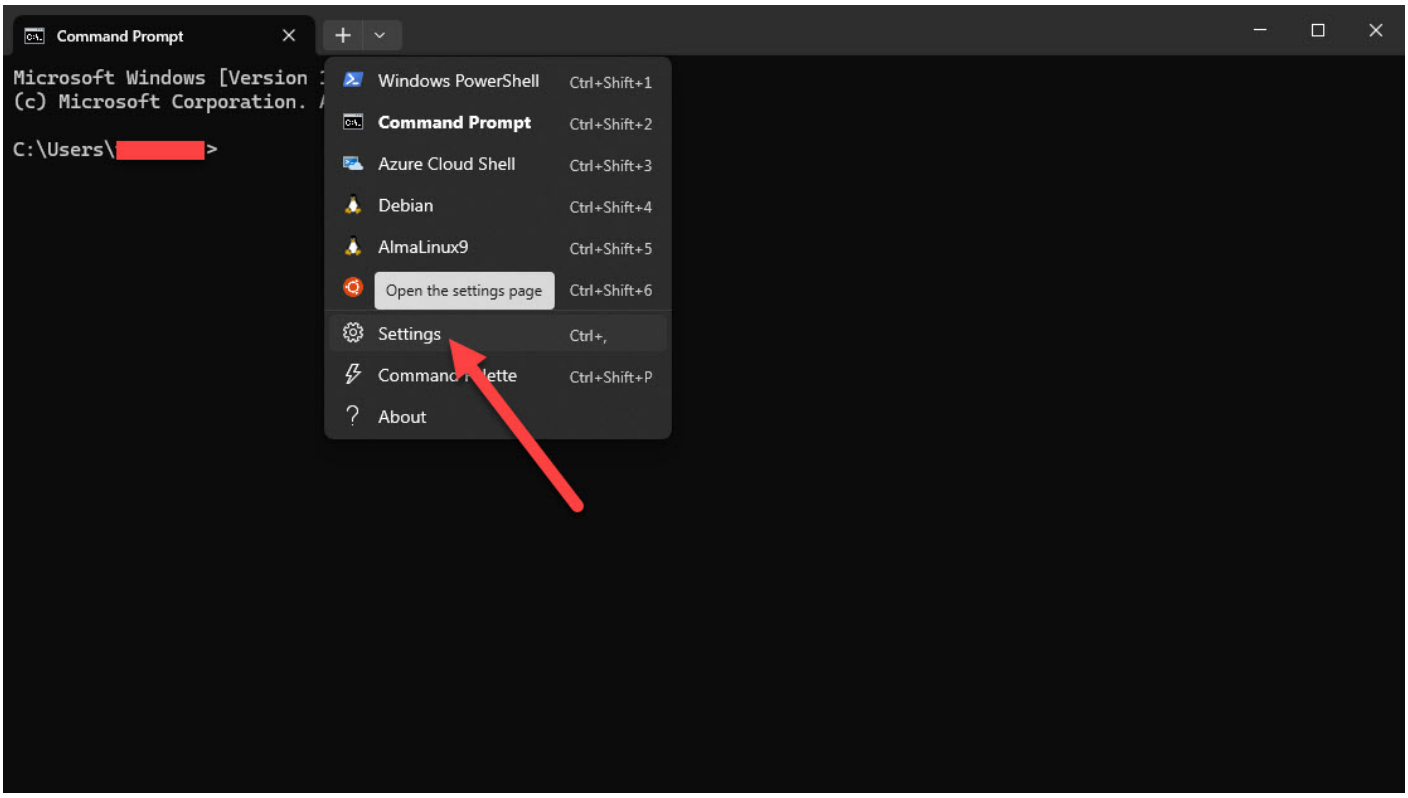


Windows Termial



Windows Terminal wsl.exe

Windows Terminal Settings ( )



WSL

Windows Terminal

wsl

```
wsl -v
```

```
C:\Users\[redacted]>wsl -v
WSL version: 2.1.5.0
Kernel version: 5.15.146.1-2
WSLg version: 1.0.60
MSRDC version: 1.2.5105
Direct3D version: 1.611.1-81528511
DXCore version: 10.0.25131.1002-220531-1700.rs-onecore-base2-hyp
Windows version: 10.0.19045.4170
```

WSL WSL version 2.1.5.0 (04/2024)

WSL WSL

```
wsl --update
```

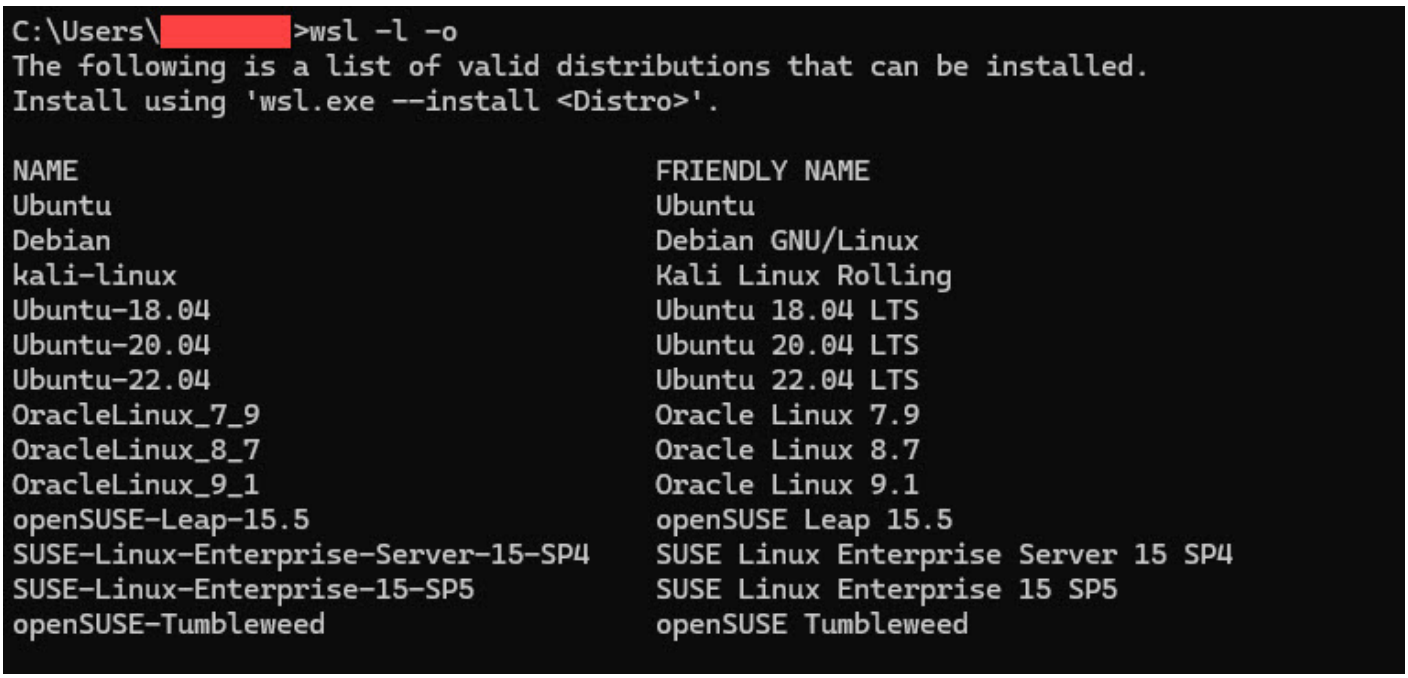
```
C:\Users\[redacted]>wsl --update
Checking for updates.
The most recent version of Windows Subsystem for Linux is already installed.
```

WSL

Linux WSL

Linux distro WSL

```
wsl -l -o
```



Ubuntu-20.04

```
wsl --install Ubuntu-20.04
```

```
C:\Users\[redacted]>wsl --install Ubuntu-20.04
Installing: Ubuntu 20.04 LTS
Ubuntu 20.04 LTS has been installed.
Launching Ubuntu 20.04 LTS...
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: [redacted]
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 20.04.6 LTS (GNU/Linux 5.15.146.1-microsoft-standard-WSL2 x86_64)

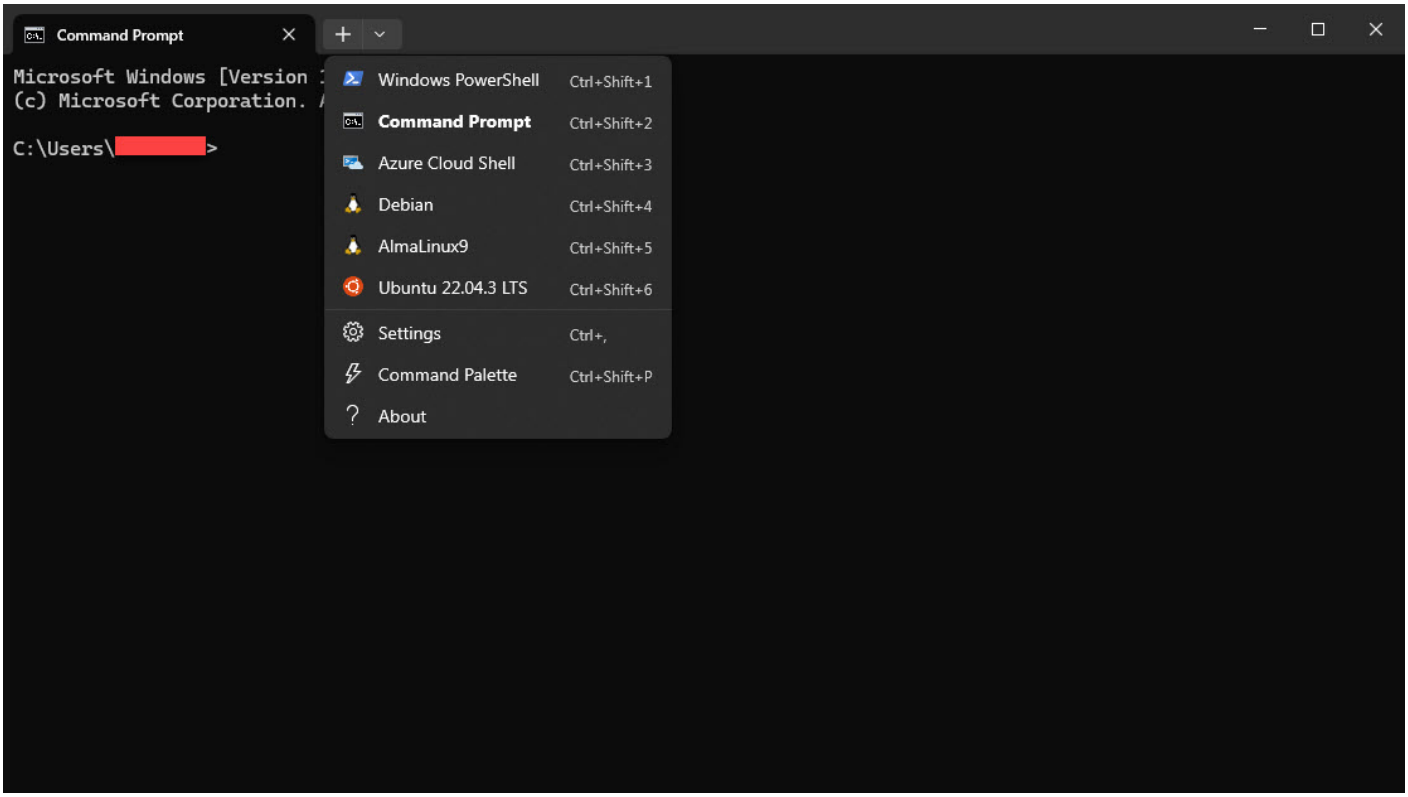
 * Documentation:  https://help.ubuntu.com
 * Management:     https://landscape.canonical.com
 * Support:        https://ubuntu.com/advantage

  System information as of Tue Apr  2 15:44:46 +07 2024

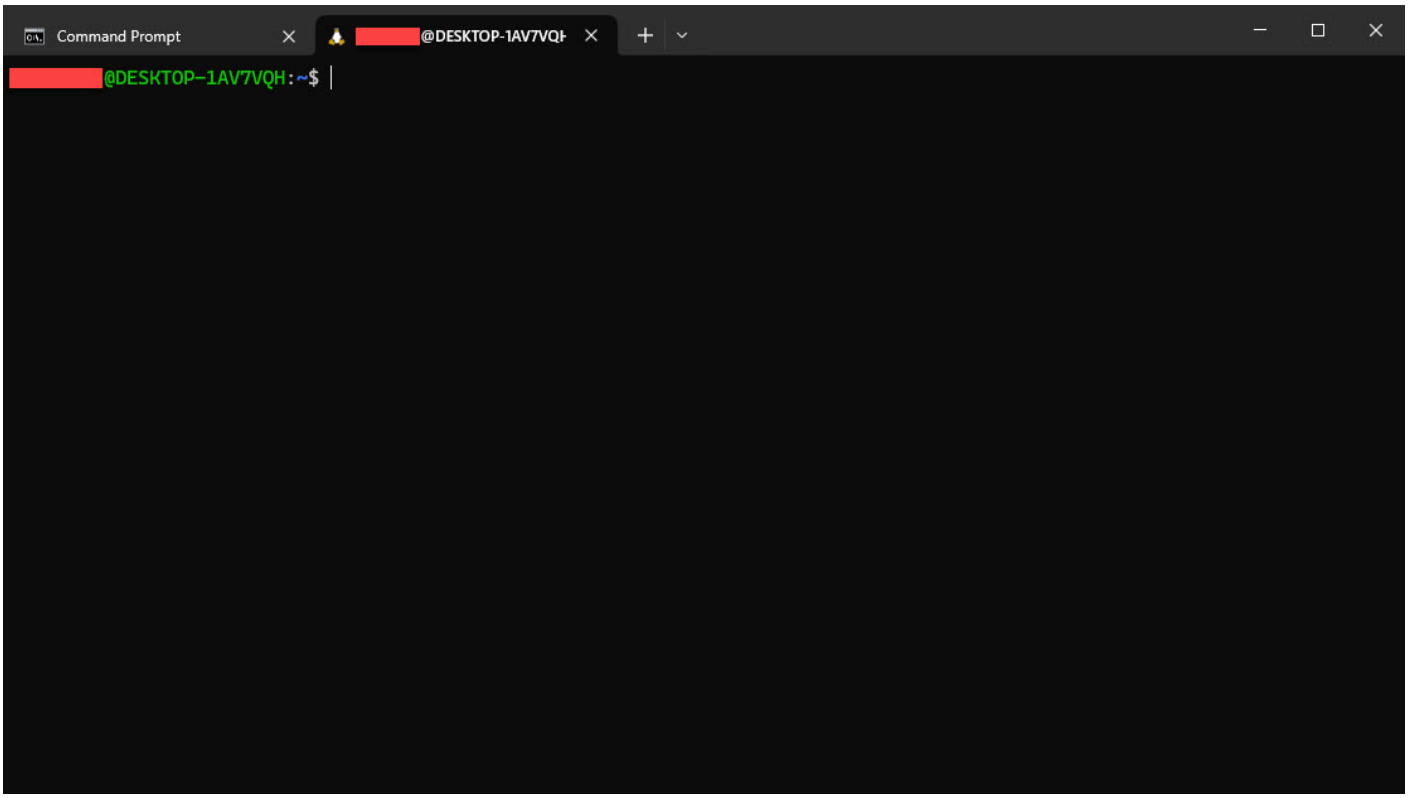
  System load:  0.04               Processes:             77
  Usage of /:   0.1% of 1006.85GB  Users logged in:       0
  Memory usage: 3%                 IPv4 address for eth0: [redacted]
  Swap usage:   0%
```

Linux ( )

Terminal +



Linux distro


Command Prompt
[redacted]@DESKTOP-1AV7VQH
[redacted]@DESKTOP-1AV7VQH:~$

bash linux

WSL 2

WSL 1-2 (04/2024) WSL 1

Microsoft WSL 2 feature WSL 1 (WS

Linux WSL WSL 1 WSL 2

```
C:\Users\[redacted]>wsl -l -v
  NAME            STATE           VERSION
* Debian          Stopped         1
  AlmaLinux9      Stopped         1
  Ubuntu-22.04    Stopped         2
```

WSL version 2 (deault)

```
wsl --set-default-version 2
```

```
C:\Users\[redacted]>wsl --set-default-version 2
For information on key differences with WSL 2 please visit https://aka.ms/wsl2
The operation completed successfully.
```

Debian WSL 2

```
wsl --set-version Debian 2
```

```
C:\Users\[redacted]>wsl -l -v
  NAME            STATE           VERSION
* Debian          Stopped         1
  AlmaLinux9      Stopped         1
  Ubuntu-22.04    Stopped         2

C:\Users\tanakorn>wsl --set-version Debian 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.

C:\Users\[redacted]>wsl -l -v
  NAME            STATE           VERSION
* Debian          Stopped         2
  AlmaLinux9      Stopped         1
  Ubuntu-22.04    Stopped         2
```

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