WSL Installation Instructions

Steps involved using CLI

1. Enable Virtualization in your BIOS Menu.

2. Click on windows search bar and search **Turn Windows Features On or Off** and open it.

3. It will open a dialog box which contains few features that can be enabled by clicking on the check box. We have to enable **Virtual Machine Platform** and **Windows Subsystem for Linux** and click on OK button. This will install few features that requires restart.

4. Once you restarted the system. Open command prompt or powershell and type:

```
wsl --list --online
```

5. This will give us a list of distros available that can be downloaded.

6. But before we install a distro, type:

```
wsl --update
```

to update the wsl kernel.

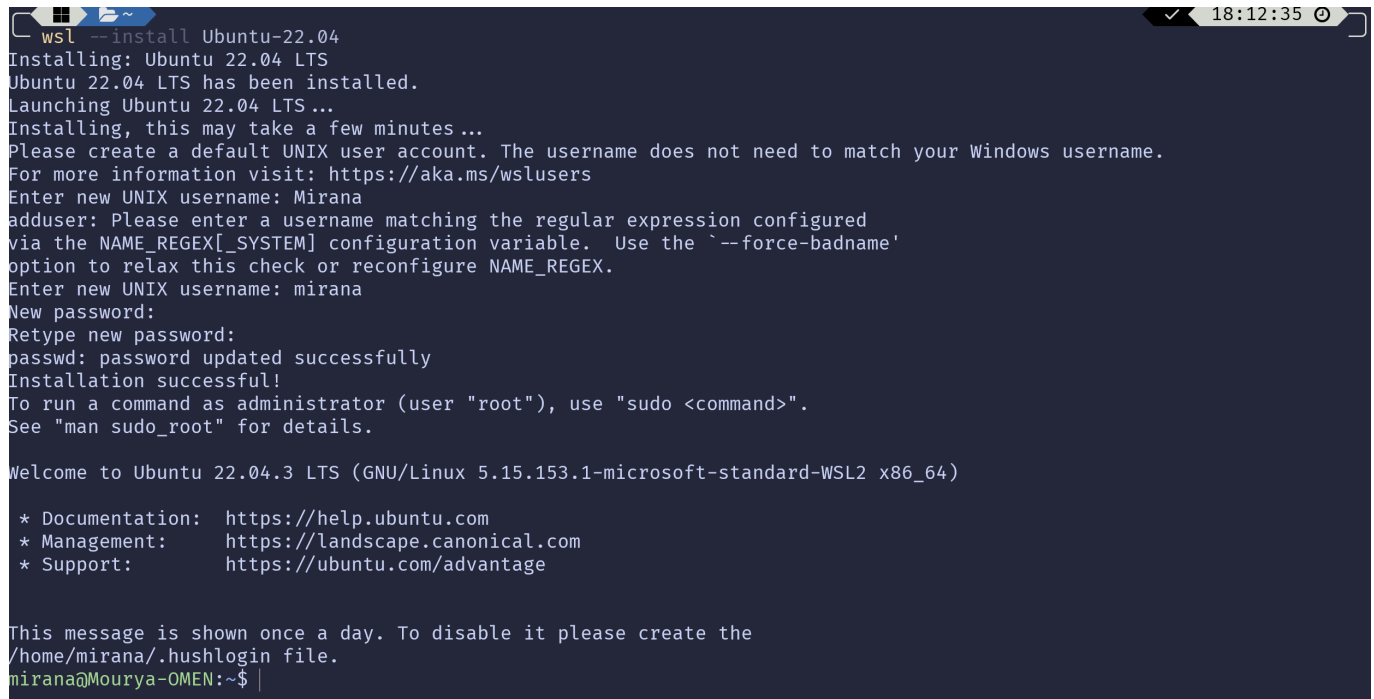7. To install Ubuntu 22.04 we type the command

```
wsl --install Ubuntu-22.04
```

(or) `for older versions`

```
wsl --install -d Ubuntu-22.04
```

8. Installing the ubuntu distro prompts us to create a new user with new UNIX name and a password.

9. Creating a new user with a password sets that new user as default and boots us into ubuntu.

The final result would look like:

```
  ▦  ⌂ ~                                                                    ✓   18:12:35 ⊘
└  wsl --install Ubuntu-22.04
Installing: Ubuntu 22.04 LTS
Ubuntu 22.04 LTS has been installed.
Launching Ubuntu 22.04 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: Mirana
adduser: Please enter a username matching the regular expression configured
via the NAME_REGEX[_SYSTEM] configuration variable.  Use the `--force-badname'
option to relax this check or reconfigure NAME_REGEX.
Enter new UNIX username: mirana
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 22.04.3 LTS (GNU/Linux 5.15.153.1-microsoft-standard-WSL2 x86_64)

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


This message is shown once a day. To disable it please create the
/home/mirana/.hushlogin file.
mirana@Mourya-OMEN:~$ |
```

Here `mirana` is my username and `Mourya-OMEN` is my device name.