# **Linux for Windows**

### **Installation**

- 1. Click on Windows bar
- 2. Search for Turn Windows On Or Off, which is in the Control Panel
- 3. Scroll and select Windows subsystem for Linux
- 4. Restart PC
- 5. Open Command Prompt and enter bash

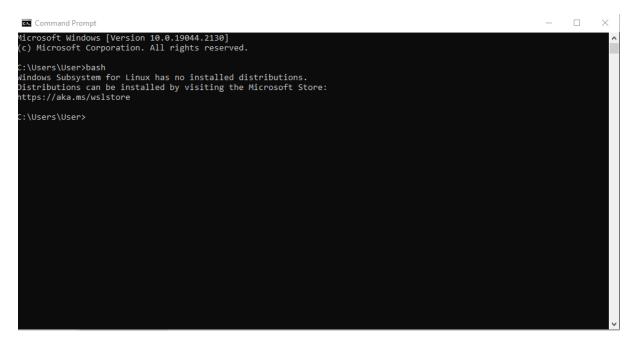


Figure 1: Command Prompt

- 6. Either go to link presented in Command Line or Microsoft store
- 7. Search for and install Ubuntu
- 8. Once installation is complete, open the application
- 9. Follow the prompts by entering your name, choosing a password and confirming your password
- 10. Once in the Linux environment, insert the following prompts. The prompt and a brief explanation are included:

```
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: neol

New password:

Retype new password:

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 22.04.1 LTS (GNU/Linux 4.4.0-19041-Microsoft 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/neol/.hushlogin file.

neol@DESKTOP-OD7HO6U:~$
```

Figure 2: Linux Interface

- pwd (print working directory)
- Is -la (all files within the working directory are listed)
- Is /mnt (Mount point under which you mount your filesystems or devices)
- cd /mnt/c (Change into C: drive)
- Is − Ia
- cd Users/ (Change directory into Users)
- cd Desktop/ (Change directory into Desktop folder)
- cd into (your) specific folder (mine was called 'Default')
- IS
- touch linuxtest.txt (Creating a file named linuxtest.txt in selected folder)

**Note:** I experienced issues when using the touch command and received a "permission denied" error. This was resolved by amending Security issues in Desktop folder.

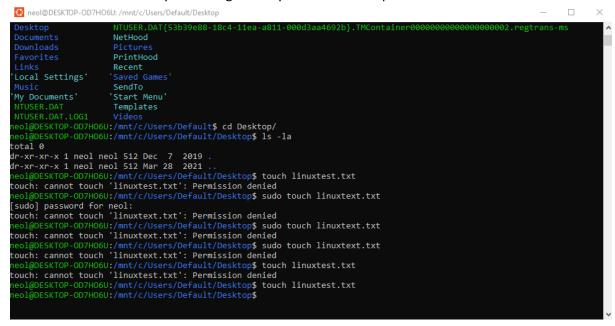


Figure 3: Linux interface revealing all commands

#### File created in Desktop folder

nano linuxtest.txt – (To edit file)

#### The below window will open:



Figure 4: Writing to file created

• cat linux.txt – returns what's in the file

#### **Running updates**

Following commands are used to when running upgrades:

- sudo apt-get upgrade upgrade software
- sudo apt-get update update software

•

## **Tree installation**

Tree – listing of files in current directory

• sudo apt-get install tree