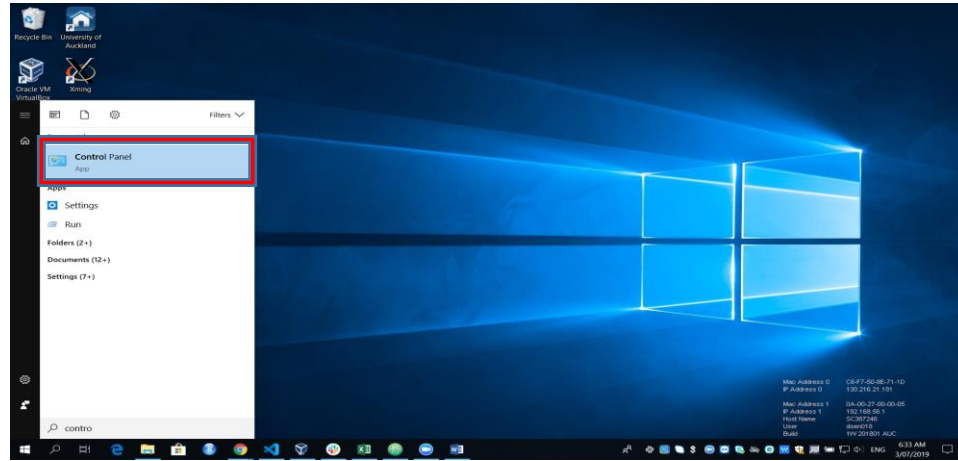


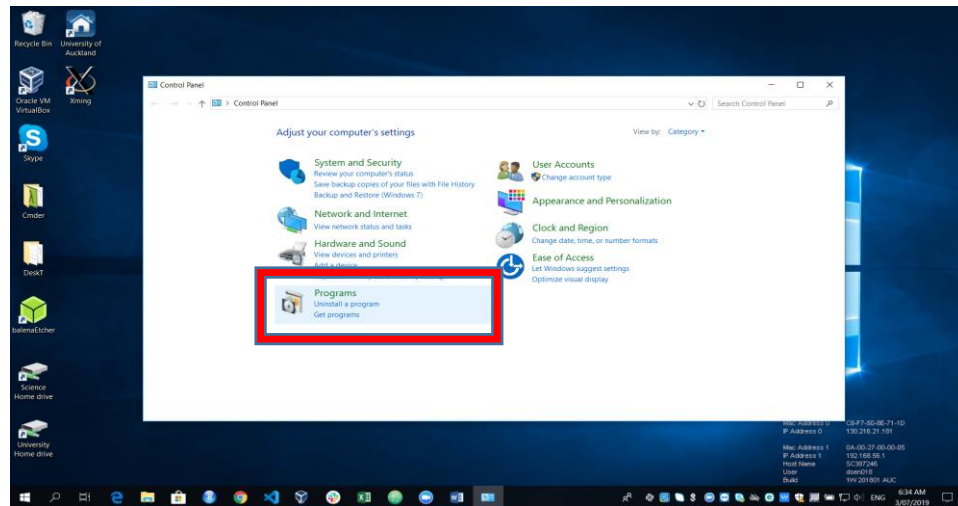
# Activating Windows Linux Subsystem and installing Ubuntu 18.04 LTS console

Requirement: Windows 10

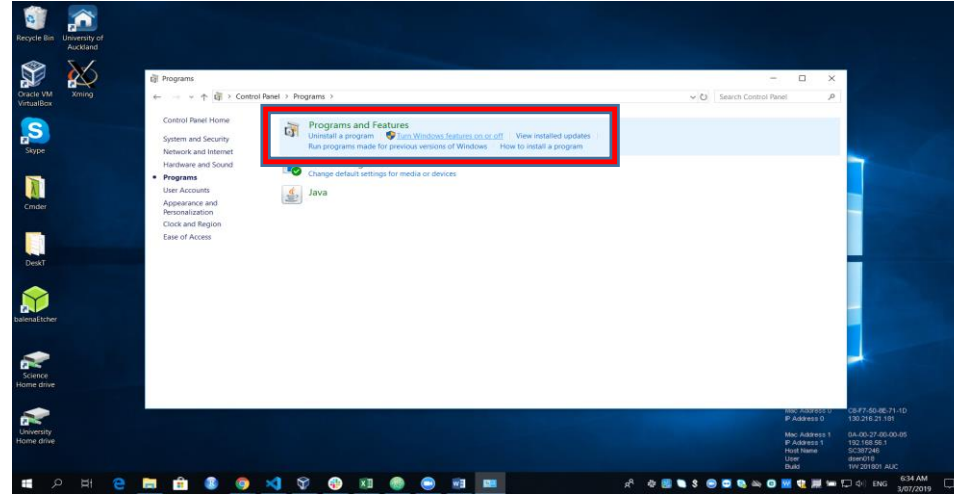
1. Launch “Control Panel” from start menu



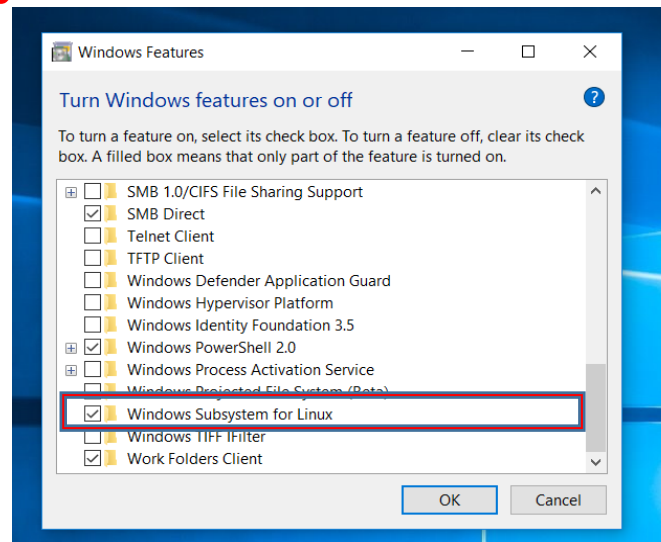
2. Go to “Programs”



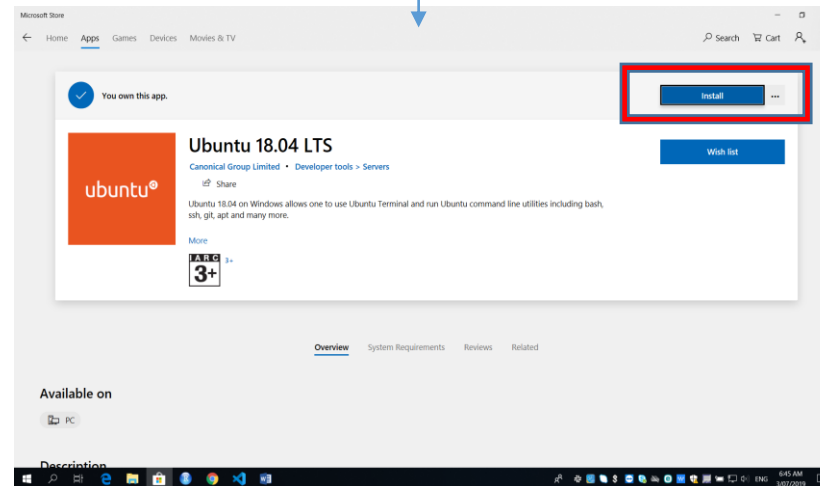
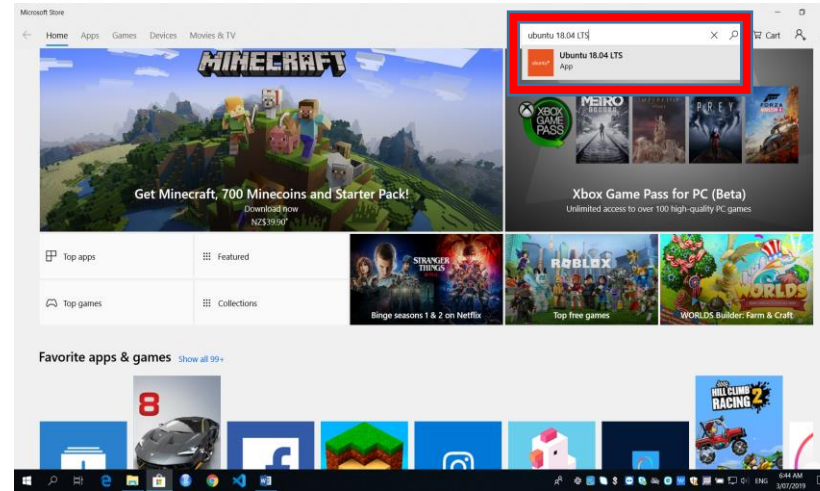
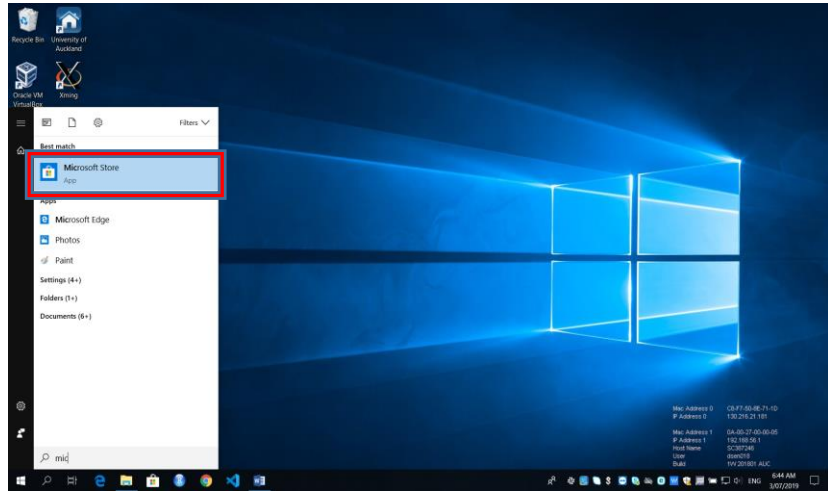
3. Click on “**Turn Windows Features on or off**” under “Programs and Features



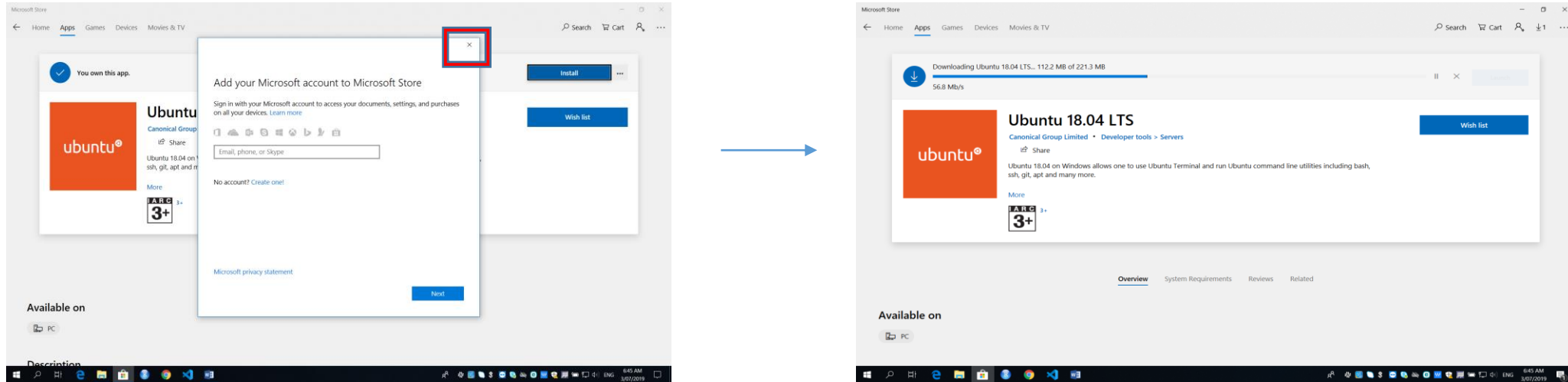
4. Tick “**Windows Subsystems for Linux**” and restart the device



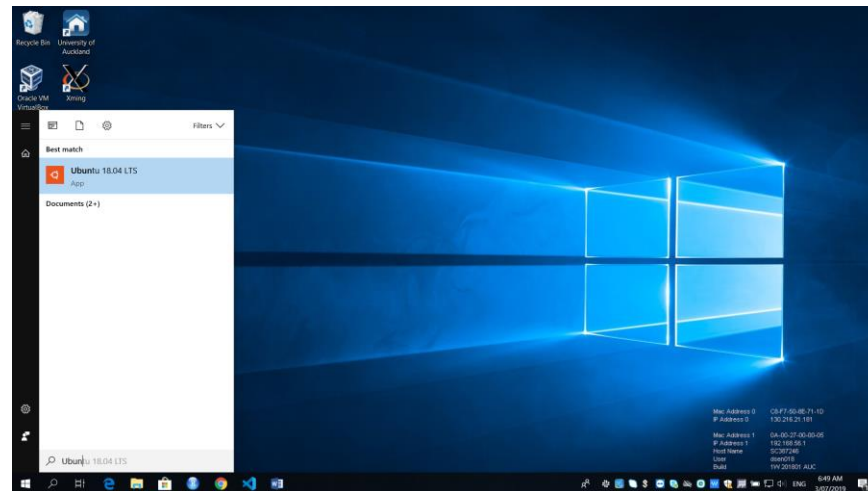
5. Launch “Microsoft Store”, search for “Ubuntu 18.04 LTS” and click “Install”



6. Close the dialogue box “Add your Microsoft account..” as you do not need an account for the installation. You may have to click “Install” for a second time (If the above dialogue box reappears, close as before and download/install will begin



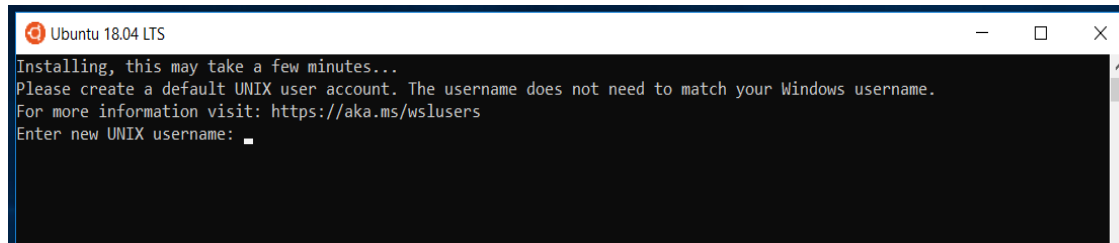
7. Launch “**Ubuntu 18.04 LTS**” from start menu



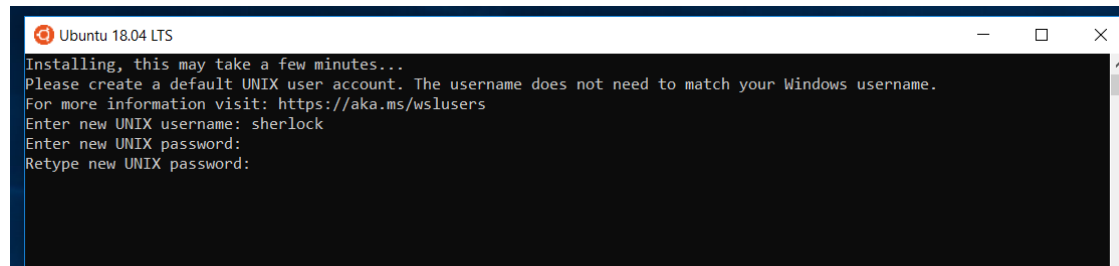
8. Wait for the installation to complete (approximately a two minutes)



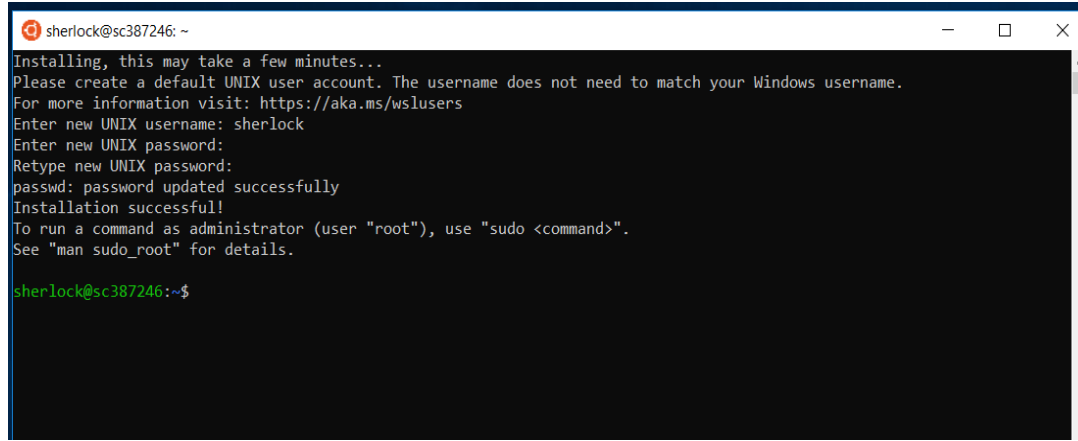
9. As you are running Ubuntu on Windows for the first time, it will require to be configured. Once the installation was complete, you will be prompted to “Enter new UNIX username” and press <Enter>. This username can be the same as your Windows username or anything that your prefer



10. Now, type in a new password for the username you picked and press <Enter>. (Again this password is anything you want. Basically, it can be the same as your windows password). Then retype the password to confirm and press <Enter>



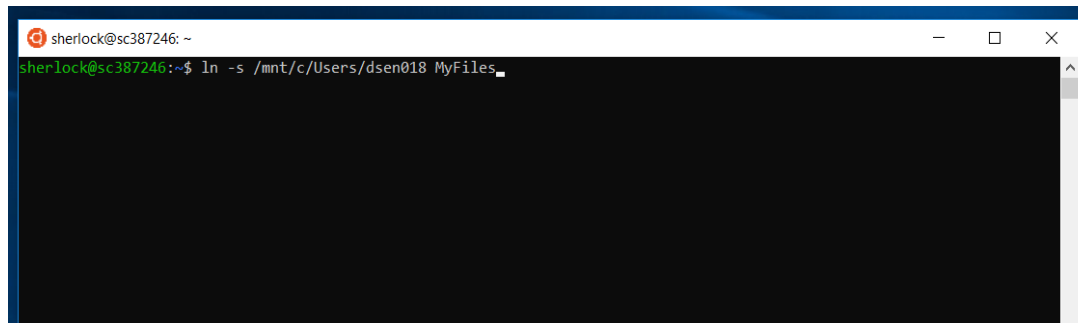
11. A new user account for “Ubuntu 18.04 LTS” should be created

A terminal window titled 'sherlock@sc387246: ~' with standard window controls. It displays the output of the user creation process. The text includes: '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: sherlock', 'Enter new UNIX password:', 'Retype new UNIX password:', 'passwd: password updated successfully', 'Installation successful!', 'To run a command as administrator (user "root"), use "sudo <command>".', and 'See "man sudo\_root" for details.'. The prompt 'sherlock@sc387246:~\$' is shown at the bottom in green.

```
sherlock@sc387246: ~
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: sherlock
Enter new UNIX password:
Retype new UNIX password:
passwd: password updated successfully
Installation successful!
To run a command as administrator (user "root"), use "sudo <command>".
See "man sudo_root" for details.

sherlock@sc387246:~$
```

12. Create a symbolic link to your Windows file system by using the command “`ln -s /mnt/c//Users/<Windows user name> MyFiles`”

A terminal window titled 'sherlock@sc387246: ~' with standard window controls. It shows the command 'ln -s /mnt/c/Users/dsen018 MyFiles' being entered at the prompt 'sherlock@sc387246:~\$'.

```
sherlock@sc387246: ~
sherlock@sc387246:~$ ln -s /mnt/c/Users/dsen018 MyFiles
```

13. Once you complete the above process, please follow this [link and setup your terminal](#) accordingly (Ignore the warning on that page)

## OPTIONAL

### 14. Setup for Xming (Optional)

- Xming is an X server for Windows allowing graphical interface with the HPC and can be [downloaded here](#)
- Install Xming as below

