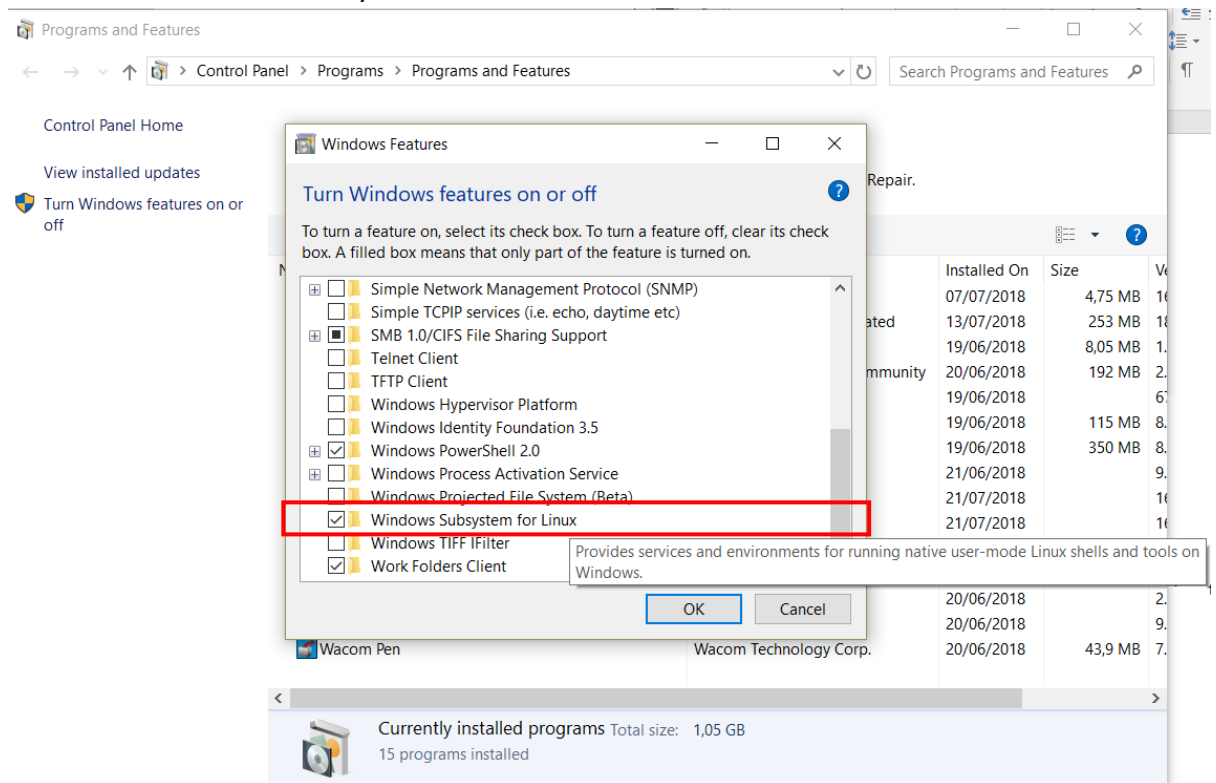


Papyrus-RT : Compiling and Running with Windows Subsystem for Linux (WSL)

WSL Activation

1. Control Panel -> Programs & Features -> Turn Windows features on or off -> check the box for 'Windows Subsystem for Linux'



2. Restart the PC
3. Install Linux App from Windows App Store
4. Launch and create user/password

Notes:

Depending upon what App is installed, the path name may vary. I have used `ubuntu18.04` and the paths would be specific to that. In any case it should be located within `"C:\Users\<account>\AppData\Local\Packages"`

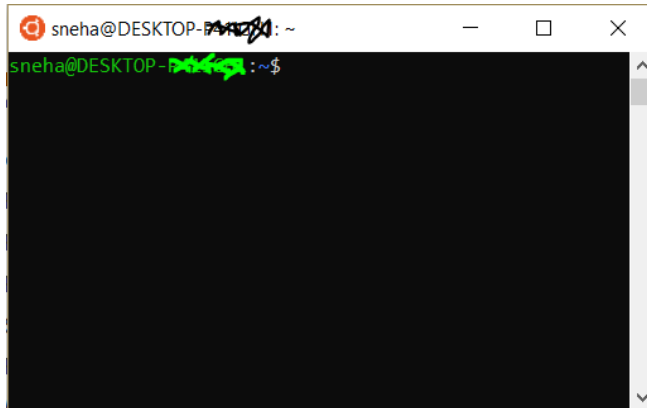
ubuntu home directory:

`"C:\Users\<account>\AppData\Local\Packages\CanonicalGroupLimited.Ubuntu18.04onWindows_79rhkp1fndgsc\LocalState\rootfs\home\<account>"`

Pre-Requisites

1. Launch the ubuntu terminal and install required libraries –
`~$ sudo apt-get install build-essential (this takes care of g++)`

```
~$ sudo apt-get -y install cmake
```



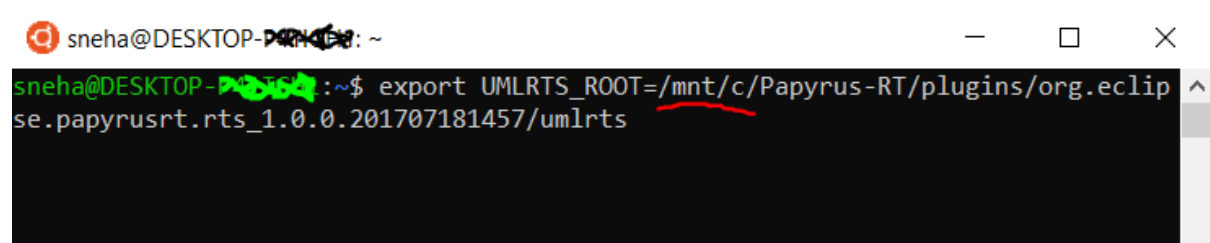
2. Add to windows PATH variable (so that CDT project can locate c++ libraries) and restart PC
ubuntu bin directory:
"C:\Users**<account>**\AppData\Local\Packages\CanonicalGroupLimited.Ubuntu18.04 onWindows_79rhkp1fndgsc\LocalState\rootfs\usr\bin"

UMLRTS_ROOT environment variable

My Windows directory looks like –

"C:\Papyrus-RT\plugins\org.eclipse.papyrusrt.rts_1.0.0.201707181457\umlrts"

We need to add this to the Ubuntu ENV variable each time a new terminal is launched:



```
~$ env
```

```
~$ export UMLRTS_ROOT=/mnt/c/Papyrus-RT/plugins/org.eclipse.papyrusrt.rts_1.0.0.201707181457/umlrts
```

```
~$ env | grep ROOT
```

Building the runtime System

(no change)

```
:~$ cd $UMLRTS_ROOT  
/umlrts$ make clean  
/umlrts$ sudo make
```

Building the CDT project

(windows directory: C:\Users**<account>**\workspace-papyrusrt)

