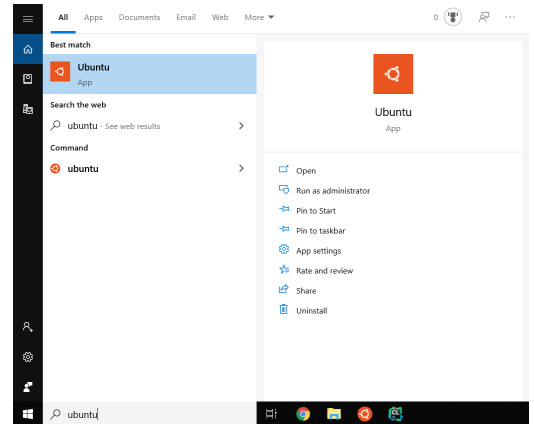


Sudo How to install Valgrind for WSL Toolchains

- 1) You need to install Valgrind on your WSL terminal, I use ubuntu. So open your WSL terminal like so:



- 2) Run the install command inside this Terminal:

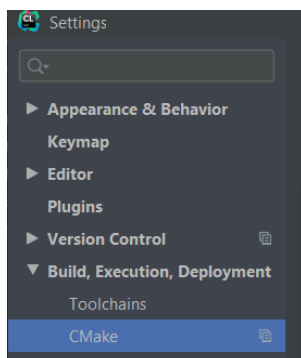
```
jathwe@DESKTOP-LCII007:~$ sudo apt-get install valgrind
```

This installs valgrind on your “virtual machine” that is WSL.

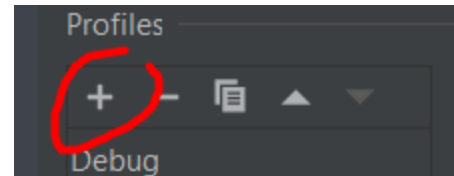
This will ask for your Ubuntu user password and then install (It will say 130 newly installed instead of mine as I already have it installed)

```
jathwe@DESKTOP-LCII007:~$ sudo apt-get install valgrind
[sudo] password for jathwe:
Reading package lists... Done
Building dependency tree
Reading state information... Done
valgrind is already the newest version (1:3.13.0-2ubuntu2.2).
0 upgraded, 0 newly installed, 0 to remove and 130 not upgraded.
jathwe@DESKTOP-LCII007:~$
```

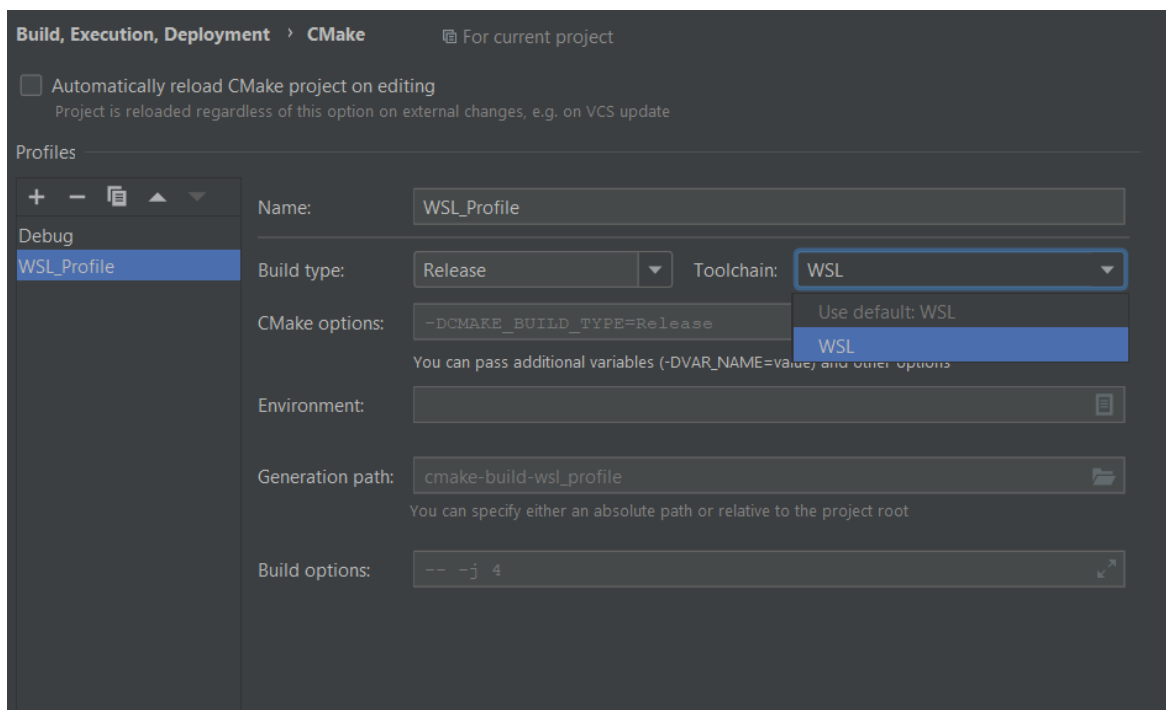
- 3) The next steps will take place in CLion, so go ahead and start that up now.
- 4) Hit ctrl+alt+s to open settings, or click file header and go to settings. In settings, under ‘Build, Execution, Deployment’ go to the ‘Cmake’ tab.



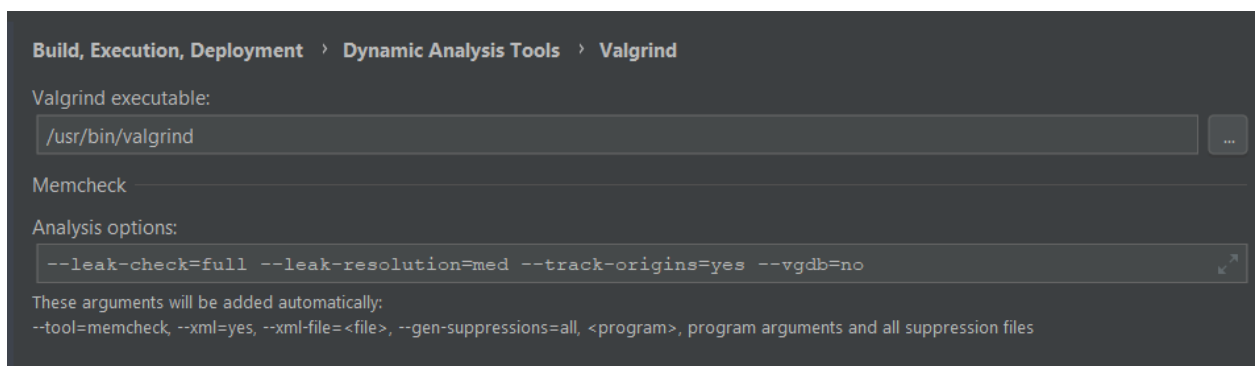
- 5) Create a new profile by hitting the '+' sign.



- 6) I would suggest naming this new profile 'WSL_Profile', and tell it to use the WSL tool chain. In other words, make it look like this.



- 7) For the final step, under the 'Build, Execution, Deployment' tab, go to the 'Dynamic Analysis Tools' tab, and select 'Valgrind'. In this page we will simply provide the WSL path to valgrind. So in the 'Valgrind executable:' provide this path exactly 'usr/bin/valgrind'. The page will look like this!



8) Everything is set up, so now if you want to use valgrind instead of the debugger or just a normal run, use this button at the top!

