# Virtual box install

1. Install virtual box
   1. <https://www.virtualbox.org/wiki/Downloads>
2. Download preloaded Ubuntu 18.04.1
   1. http://www.osboxes.org/ubuntu/
3. Ubuntu 18.04.1 (Final Version) -> Virtualbox, 64bit #USE LATEST VERSION
4. Unpack to home folder, like C:/users/milst
5. In VirtualBox, press ‘New’
6. Use name “Ubuntu” and follow instructions, use half of available memory
7. Use “existing hard drive”, pick the file you just unpacked
8. Go to settings and add as many cores as you can
9. Click ‘Start’ (green arrow, in top left corner of the virtualbox window)
10. Password is osboxes.org
11. Open a terminal (click ‘Activities’ and search for terminal) and run (e.g. paste in and press enter)
12. sudo apt-get update
13. sudo apt-get upgrade
14. sudo apt-get install build-essential gcc make perl dkms
15. In ‘Devices’, pick ‘Insert Guest additions’, let it run and press enter when prompted
16. Update languages
17. Close window, ‘Shut down machine’ and restart from VirtualBox
18. If necessary, go to the upper right corner where it says ‘En’, go to ‘text entry settings’ and add your language, use arrows to make it go to top. Press ‘En’ again to pick.

\*Ctrl+v and Ctrl+v in the terminal are Ctrl+shift+v and Ctrl+shift+v

1. Make a folder on your windows host
2. Go to Devices, Shared\_folders, use the ‘+’ icon to the right to add the folder you just made.
3. In the terminal, run
   1. sudo usermod -a -G vboxsf osboxes
4. Go to Devices, Shared clipboard, bidirectional
5. Shut of down machine by closing window and “shut off machine”
6. Reboot