# 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. Use ‘Run’
10. Password is osboxes.org
11. In ‘Devices’, pick ‘Insert Guest additions’, let it run and press enter when prompted
12. Update languages
13. Close window, ‘Shut down machine’ and restart from VirtualBox
14. 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. Open a terminal
2. sudo apt-get update
3. sudo apt-get upgrade
4. sudo apt-get install build-essential
5. Make a folder on your windows host
6. Go to Devices, Shared\_folders, use the ‘+’ icon to the right to add the folder you just made.
7. In the terminal, run
   1. sudo usermod -a -G vboxsf osboxes
8. Go to Devices, Shared clipboard, bidirectional
9. Shut of down machine by closing window and “shut off machine”
10. Reboot