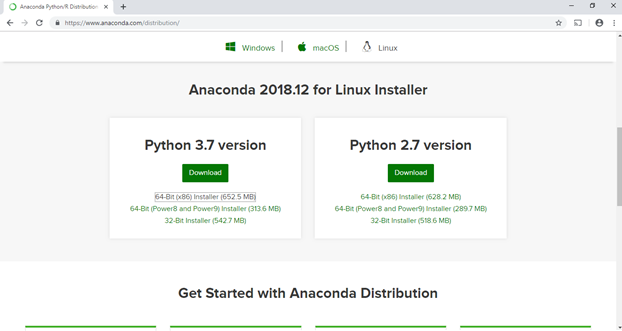
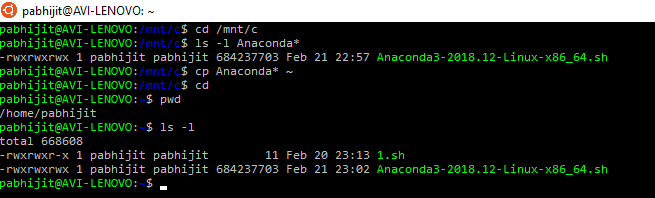
1. Windows subsystem for Linux (WSL)
2. Anaconda Installation on Windows
3. Anaconda Installation on Linux
4. Jupyterhub
5. Jupyterlab

Anaconda Linux Installation

Ref - <https://gist.github.com/kauffmanes/5e74916617f9993bc3479f401dfec7da>

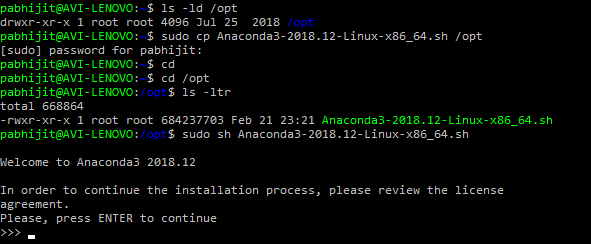


* Copy Anaconda Installer file from local to linux home directory



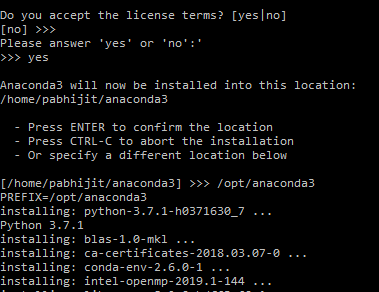
* Install Anaconda by executing sh

Command – sudo sh Anaconda3-2018.12-Linux-x86\_64.sh

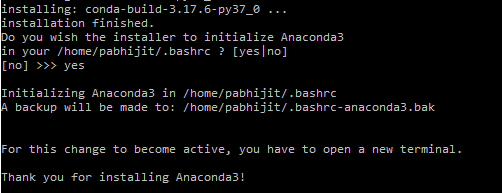


* Specify Install Location (when prompted)

Install Location - /opt/anaconda3



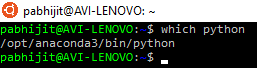
* Successfully installed



* Verify install.

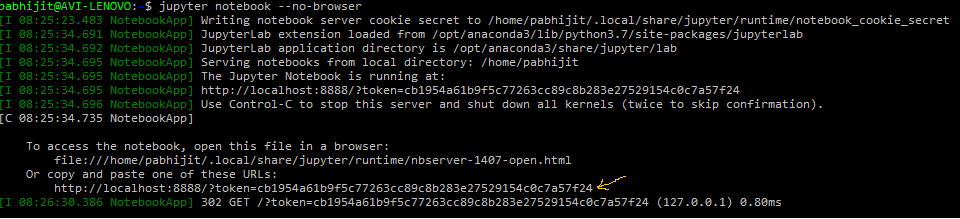
Logout of session and re-login to linux session to load .bash configs.

Check location of python installed as below:



* Start Jupyter notebook server

To open jupyter, type **$ jupyter notebook --no-browser**. The no browser flag will still run Jupyter on port 8888, but it won't pop it open automatically. it's necessary since you don't have a browser (probably) in your subsystem. In the terminal, it will give you a link to paste into your browser. If it worked, you should see your notebooks!

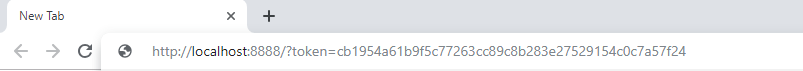


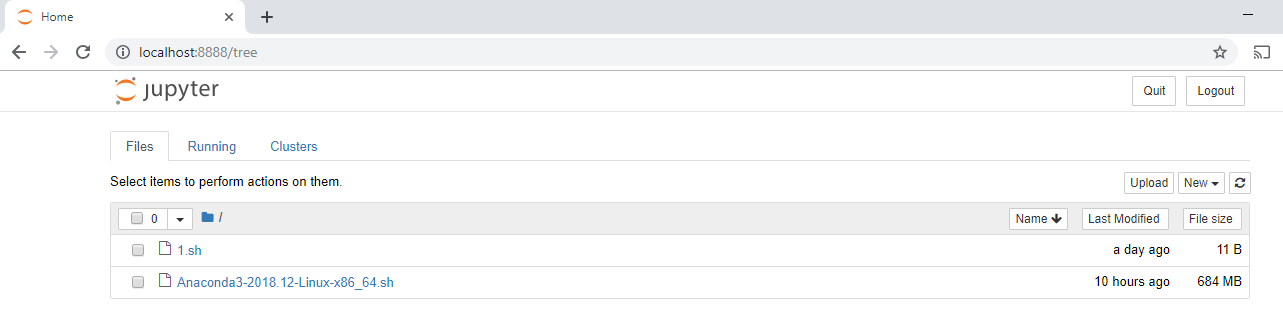
Note – the last line GET indicates there is one client connected to the server.

To shutdown server, press Ctrl+C in the console.

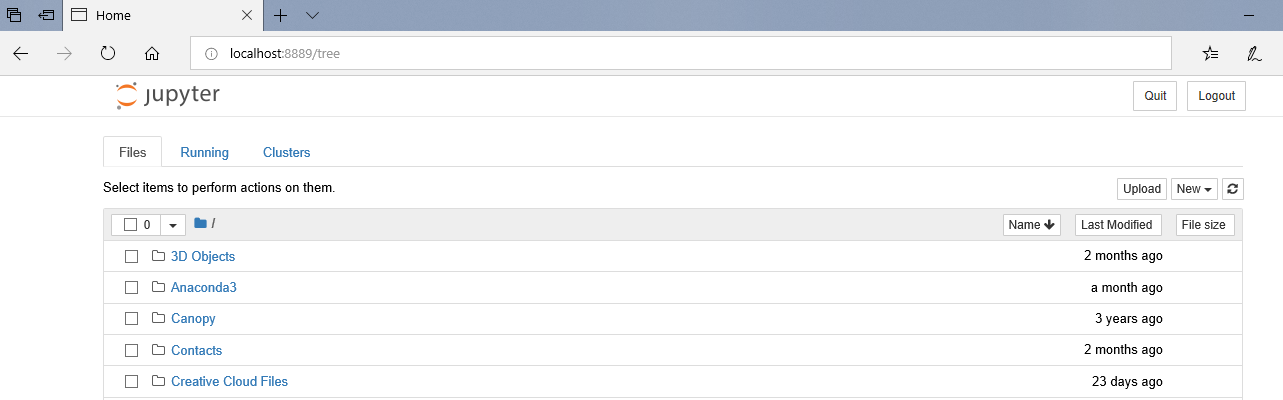
* Open Jupyter Notebook in browser

Type the URL from above screen <http://localhost:8888/?token=cb1954a61b9f5c77263cc89c8b283e27529154c0c7a57f24>





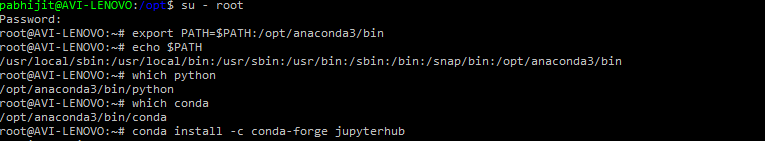
You can also open Jupyter notebook if a local windows version of anaconda installed in your system.

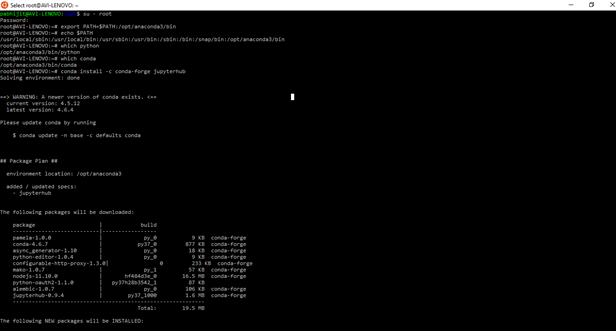


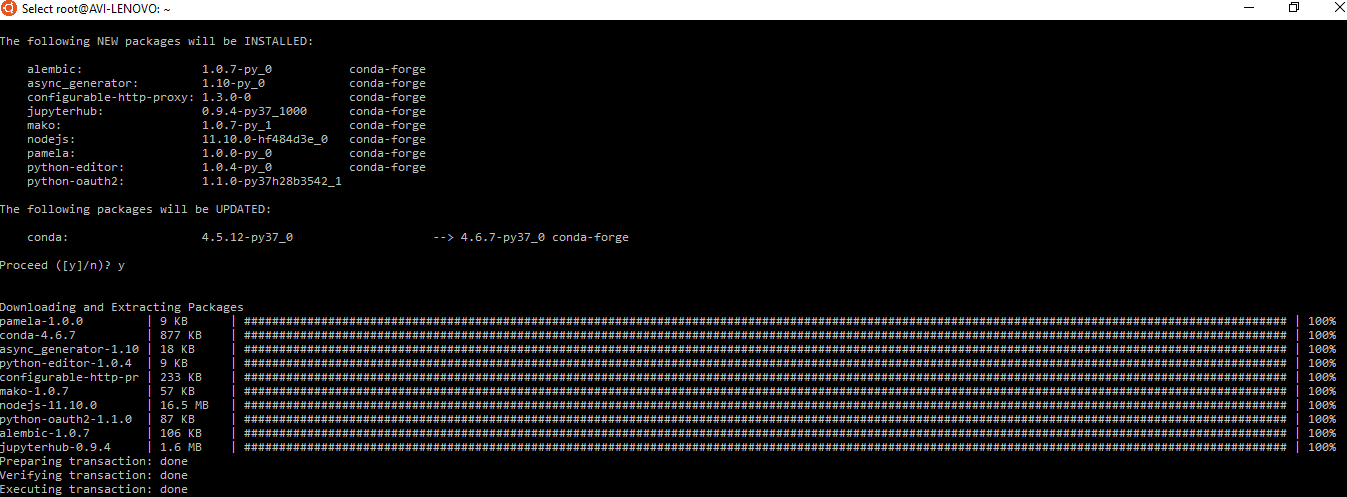
**JupyterHub Installation**

Reference - <https://jupyterhub.readthedocs.io/en/stable/installation-guide.html>

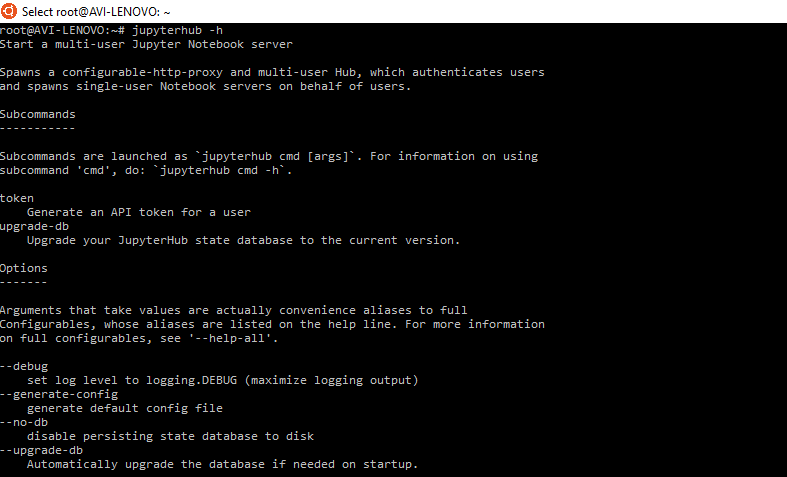
* + Please make sure you are logged in as “root”
  + Set PATH to include the anaconda bin location
  + Command - conda install -c conda-forge jupyterhub # installs jupyterhub and proxy

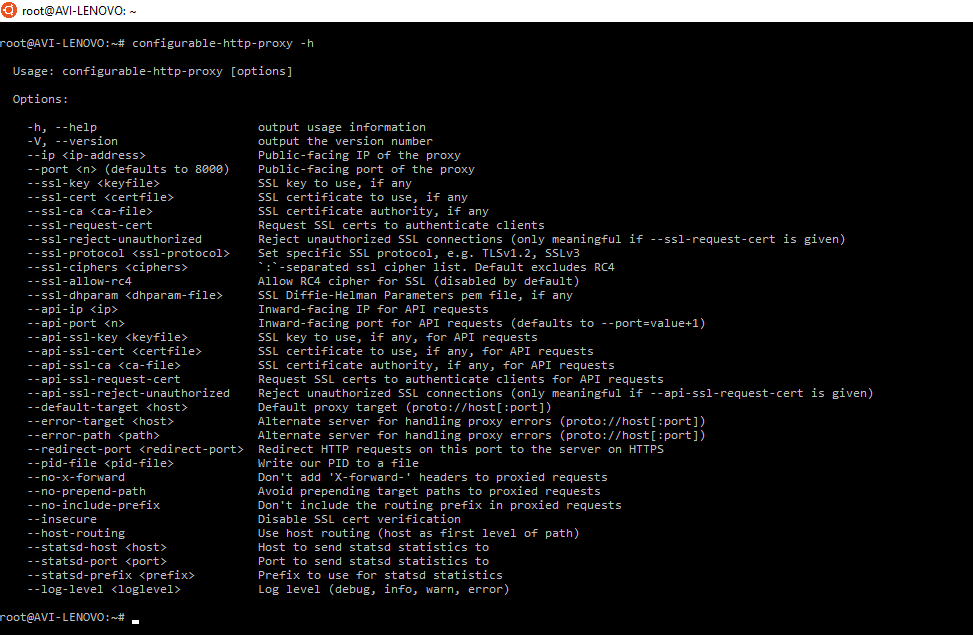




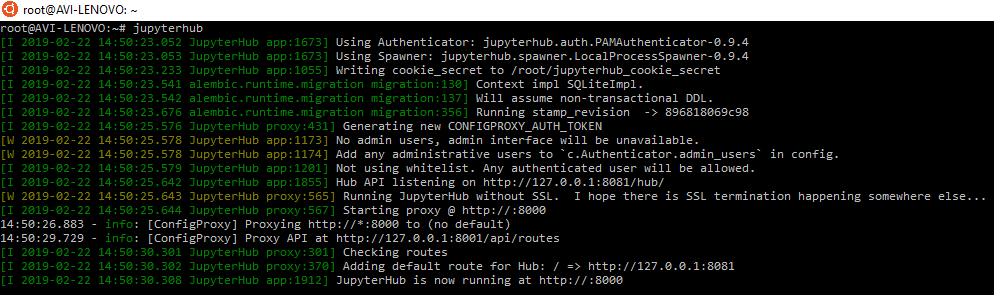


Verify Jupyterhub Installation





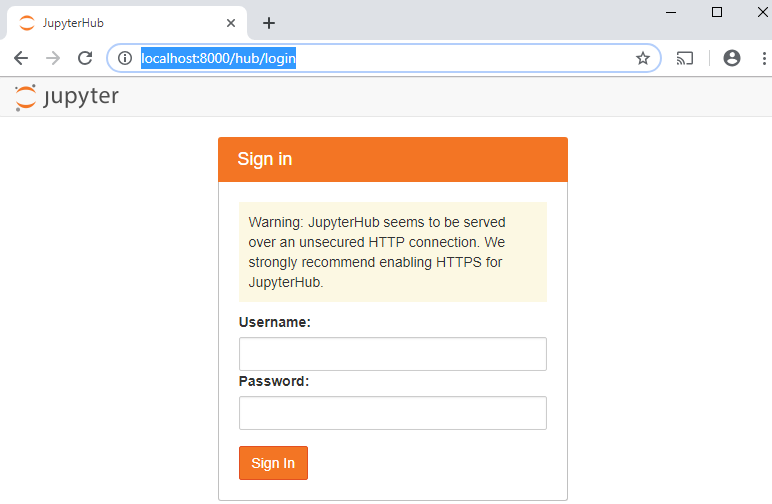
Start the Hub server

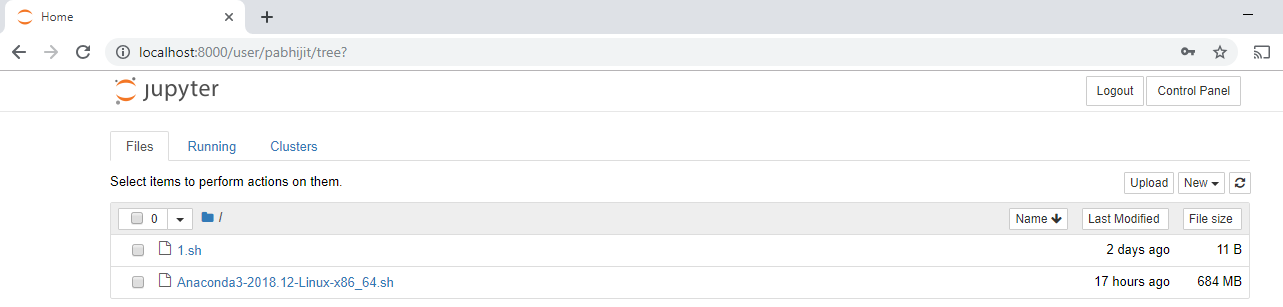


Login from Browser

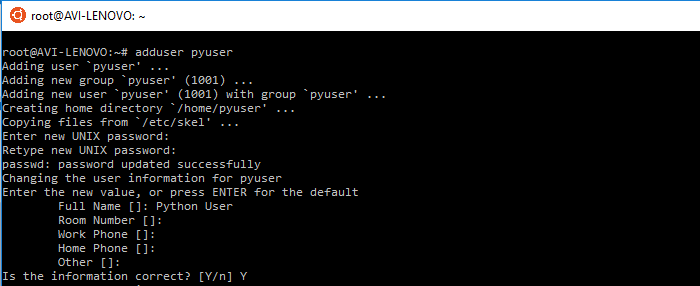
URL - <http://localhost:8000> or <http://127.0.0.1:8000>

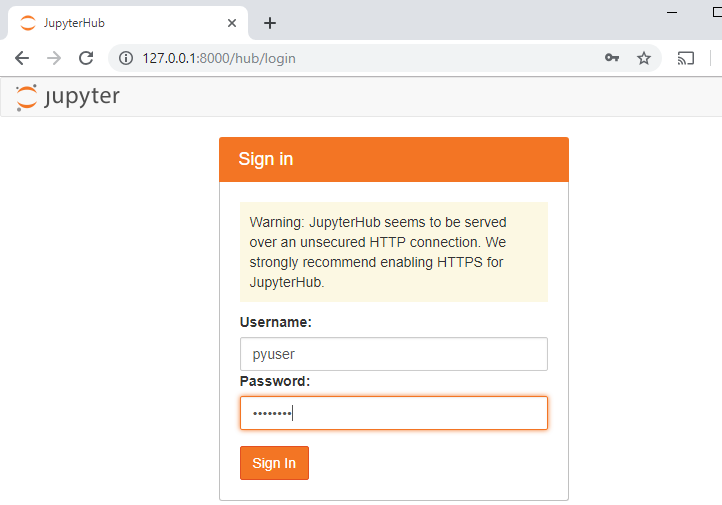
Note – use https if secured with SSL certificate, else http

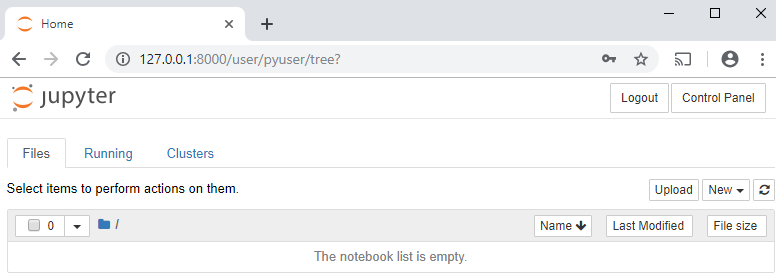




Add another user to test multiuser environment







References

<https://www.cgranade.com/blog/2016/08/22/qutip-on-wsl.html>

<https://jupyter.readthedocs.io/en/latest/install.html>

<https://gist.github.com/kauffmanes/5e74916617f9993bc3479f401dfec7da>