Installing Jupiter Notebook

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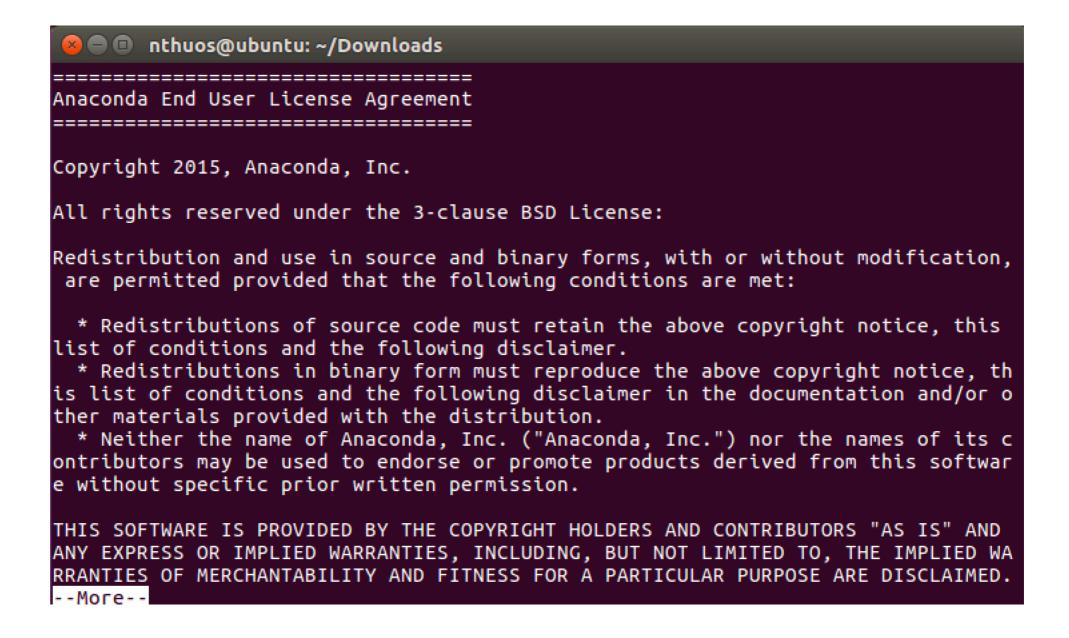
What is Jupyter Notebook?

- Uses a browser as a terminal to Python, instead of a text terminal
- Features
 - Syntax highlighting in place
 - ability to save session
 - access to editors
 - preinstalled with packages
- https://jupyter.org

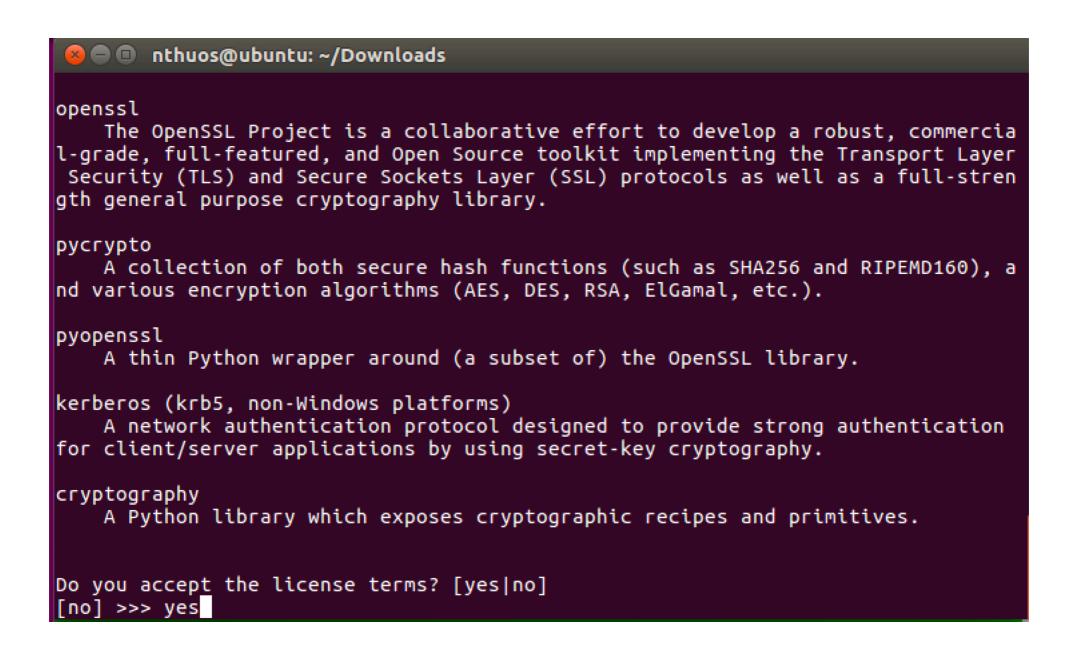
Install - Linux

- Browser to download Anaconda Installer
 - https://www.anaconda.com/distribution/
 - Default: saves to Downloads folder
- Open a shell
 - \$ cd Downloads
 - \$ chmod +x Anaconda3-2018.12-Linux-x86_64.sh (or whatever name of the downloaded file is)
 - \$./Anaconda3-2018.12-Linux-x86_64.sh(and you will be asked several questions during installation)
- Close the shell and reopen a new shell
 - \$ juputer notebook

```
nthuos@ubuntu: ~/Downloads
nthuos@ubuntu:~$ cd Downloads/
nthuos@ubuntu:~/Downloads$ ls -l
total 668208
-rw-rw-r-- 1 nthuos nthuos 684237703 Mar 18 12:08 Anaconda3-2018.12-Linux-x86 64
.sh
nthuos@ubuntu:~/Downloads$ chmod +x Anaconda3-2018.12-Linux-x86 64.sh
nthuos@ubuntu:~/Downloads$ ./Anaconda3-2018.12-Linux-x86_64.sh
Welcome to Anaconda3 2018.12
In order to continue the installation process, please review the license
agreement.
Please, press ENTER to continue
```



type space



```
nthuos@ubuntu: ~/Downloads
nd various encryption algorithms (AES, DES, RSA, ElGamal, etc.).
pyopenssl
    A thin Python wrapper around (a subset of) the OpenSSL library.
kerberos (krb5, non-Windows platforms)
    A network authentication protocol designed to provide strong authentication
for client/server applications by using secret-key cryptography.
cryptography
    A Python library which exposes cryptographic recipes and primitives.
Do you accept the license terms? [yes|no]
[no] >>> yes
Anaconda3 will now be installed into this location:
/home/nthuos/anaconda3
  - Press ENTER to confirm the location
  - Press CTRL-C to abort the installation
  - Or specify a different location below
[/home/nthuos/anaconda3] >>>
```

type return

```
nthuos@ubuntu: ~/Downloads
installing: blaze-0.11.3-py37 0 ...
installing: jupyter console-6.0.0-py37 0 ...
installing: notebook-5.7.4-py37_0 ...
installing: qtconsole-4.4.3-py37 0 ...
installing: seaborn-0.9.0-py37_0 ...
installing: sphinx-1.8.2-py37_0 ...
installing: spyder-kernels-0.3.0-py37 0 ...
installing: anaconda-navigator-1.9.6-py37 0 ...
installing: anaconda-project-0.8.2-py37_0 ...
installing: jupyterlab server-0.2.0-py37 0 ...
installing: numpydoc-0.8.0-py37 0 ...
installing: widgetsnbextension-3.4.2-py37 0 ...
installing: ipywidgets-7.4.2-py37 0 ...
installing: jupyterlab-0.35.3-py37 0 ...
installing: spyder-3.3.2-py37 0 ...
installing: ipyw jlab nb ext conf-0.1.0-py37 0 ...
installing: jupyter-1.0.0-py37 7 ...
installing: anaconda-2018.12-py37_0 ...
installing: conda-4.5.12-py37 0 ...
installing: conda-build-3.17.6-py37 0 ...
installation finished.
Do you wish the installer to initialize Anaconda3
in your /home/nthuos/.bashrc ? [yes|no]
[no] >>> yes
```

```
😰 🖃 🗊 nthuos@ubuntu: ~/Downloads
[no] >>> ves
Initializing Anaconda3 in /home/nthuos/.bashrc
A backup will be made to: /home/nthuos/.bashrc-anaconda3.bak
For this change to become active, you have to open a new terminal.
Thank you for installing Anaconda3!
Anaconda is partnered with Microsoft! Microsoft VSCode is a streamlined
code editor with support for development operations like debugging, task
running and version control.
To install Visual Studio Code, you will need:
  - Administrator Privileges

    Internet connectivity

Visual Studio Code License: https://code.visualstudio.com/license
Do you wish to proceed with the installation of Microsoft VSCode? [yes|no]
>>> ves
```

type yes (if you want), and then it will ask you for your password