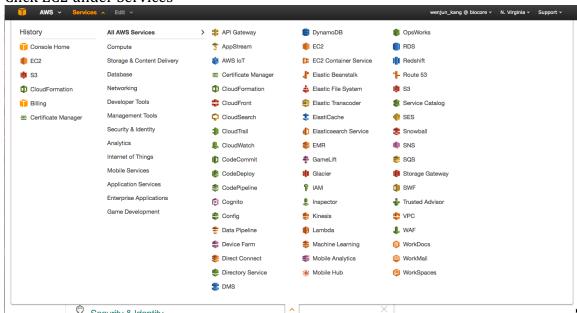
Launch Jupyter Notebook on Amazon Web Service (AWS) EC2 instance

What do you need?

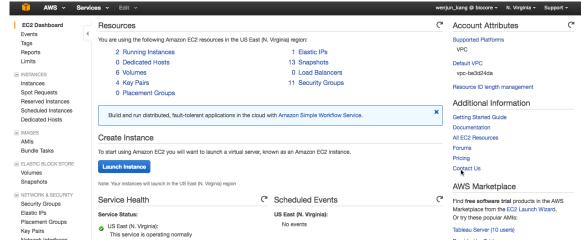
An active AWS account

AWS Console and EC2 Instance Launch

- Login to your console by visiting https://console.aws.amazon.com
- Click EC2 under Services



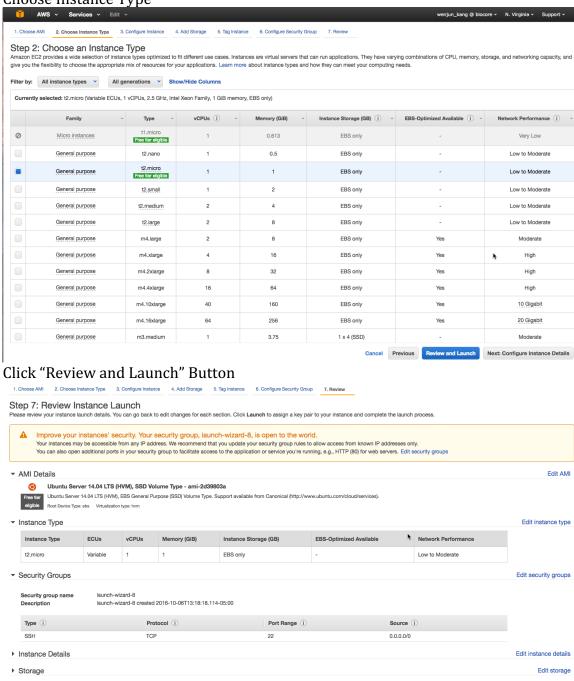
Click "Launch Instance" Button



Choose an Amazon Machine Image (AMI): Ubuntu Server

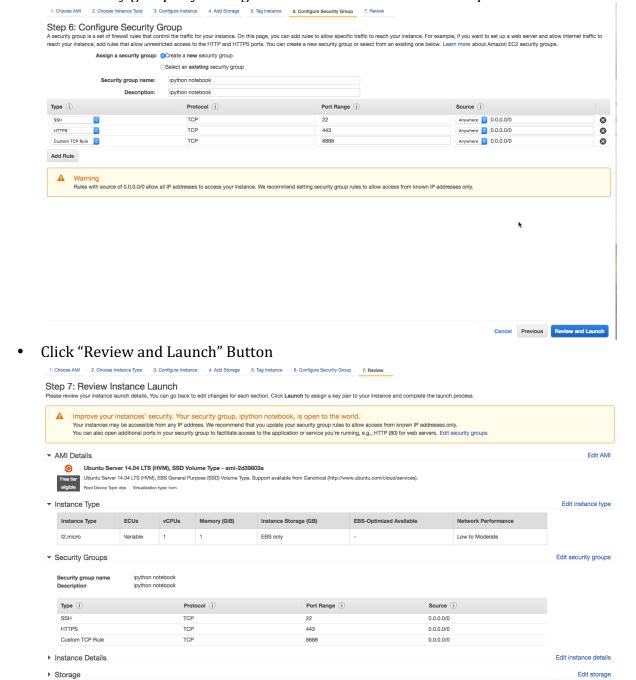
Choose Instance Type

▶ Tags



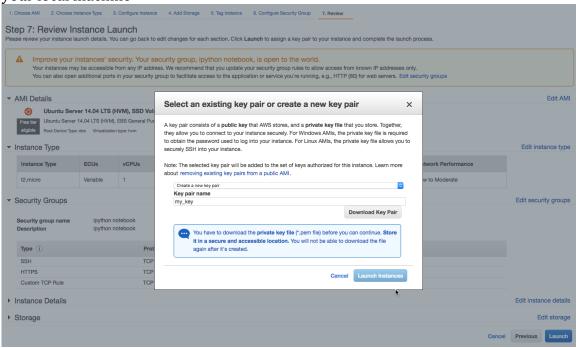
Cancel Previous Launch

Edit security groups by adding HTTPS and Custom TCP Rule for port 8888

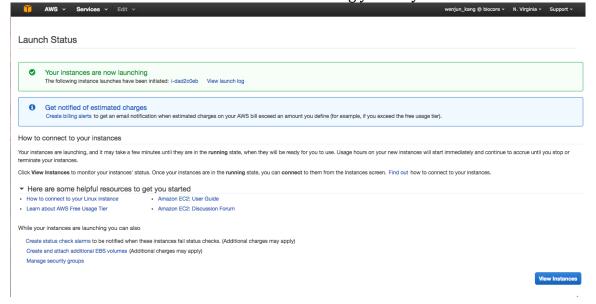


Cancel Previous Launch

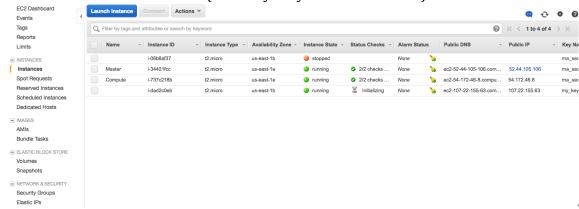
 Click "Launch" button and then create a new key and download the key to your local machine



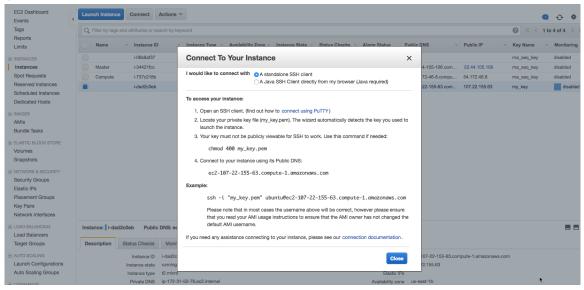
• Click "Launch Instances" button after downloading your key



Click "View Instance" button (You may only see one instance)



 After your VM initializing, you can select the instance using the checkbox on the left and click "Connect" to see the instruction on how to connect to your VM.



Login to the VM: ssh -i "yourpemfile.pem" ubuntu@xx.xx.xxx Where xx.xx.xxx is the public IP address of the machine

```
Wenjuns-MacBook-Pro:.ssh wkang$ ssh -i "my_key.pem" ubuntu@ec2-107-22-155-63.compute-1.amazonaws.com
Welcome to Ubuntu 14.04.4 LTS (GNU/Linux 3.13.0-91-generic x86_64)
* Documentation: https://help.ubuntu.com/
                                                                        B
 System information as of Thu Oct 6 18:38:15 UTC 2016
 System load: 0.0 Processes: Usage of /: 10.0% of 7.74GB Users logged in:
                                                            98
                                                            0
 Memory usage: 5%
                                   IP address for eth0: 172.31.52.76
 Swap usage: 0%
 Graph this data and manage this system at:
   https://landscape.canonical.com/
 Get cloud support with Ubuntu Advantage Cloud Guest:
   http://www.ubuntu.com/business/services/cloud
 packages can be updated.
 updates are security updates.
lew release '16.04.1 LTS' available.
Run 'do-release-upgrade' to upgrade to it.
Last login: Thu Oct 6 18:38:18 2016 from 128.135.197.202
ubuntu@ip-172-31-52-76:~$
```

After connecting to the instance, following commands were used to install Anaconda **latest** version:

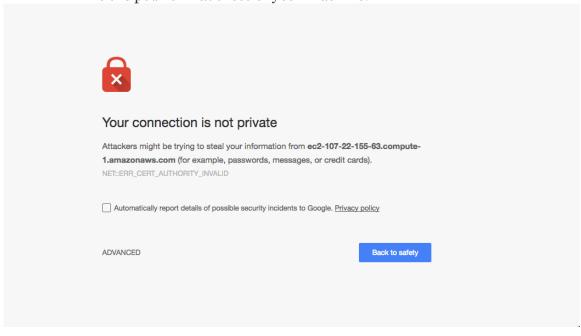
- sudo apt-get install git
- git clone https://gist.github.com/c5be9ca652b0eac88e229011dac236f5.git nb
- . nb/jupyter notebook ec2.sh

After the above step, we can start Jupyter notebook and access it remotely.

- cd; mkdir notebook; cd notebook
- jupyter notebook --certfile=~/certs/mycert.pem --keyfile
 ~/certs/mycert.key &

On your browser:

Visit: https://<ec2-xx-xx-xxx.compute-1.amazonaws.com>:8888/ where xx-xx-xxx is the public IP address of your machine.



Click "ADVANCED"



Your connection is not private

Attackers might be trying to steal your information from ec2-107-22-155-63.compute-1.amazonaws.com (for example, passwords, messages, or credit cards).

NET::ERR_CERT_AUTHORITY_INVALID

Г	Automaticall	y report details of	possible security	incidents to Google	. Privacy policy
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HIDE ADVANCED

Back to safety

This server could not prove that it is ec2-107-22-155-63.compute-1.amazonaws.com; its security certificate is not trusted by your computer's operating system. This may be caused by a misconfiguration or an attacker intercepting your connection.

Proceed to ec2-107-22-155-63.compute-1.amazonaws.com (unsafe)



• Click "Proceed to"



• Type in the password you have created to login



- You have your Jupyter Notebook running
- After your work done and saved you data, you can terminate the VM from your AWS console by first select your VM, click "Actions" and then click "Terminate" in "Instance State" tab.

