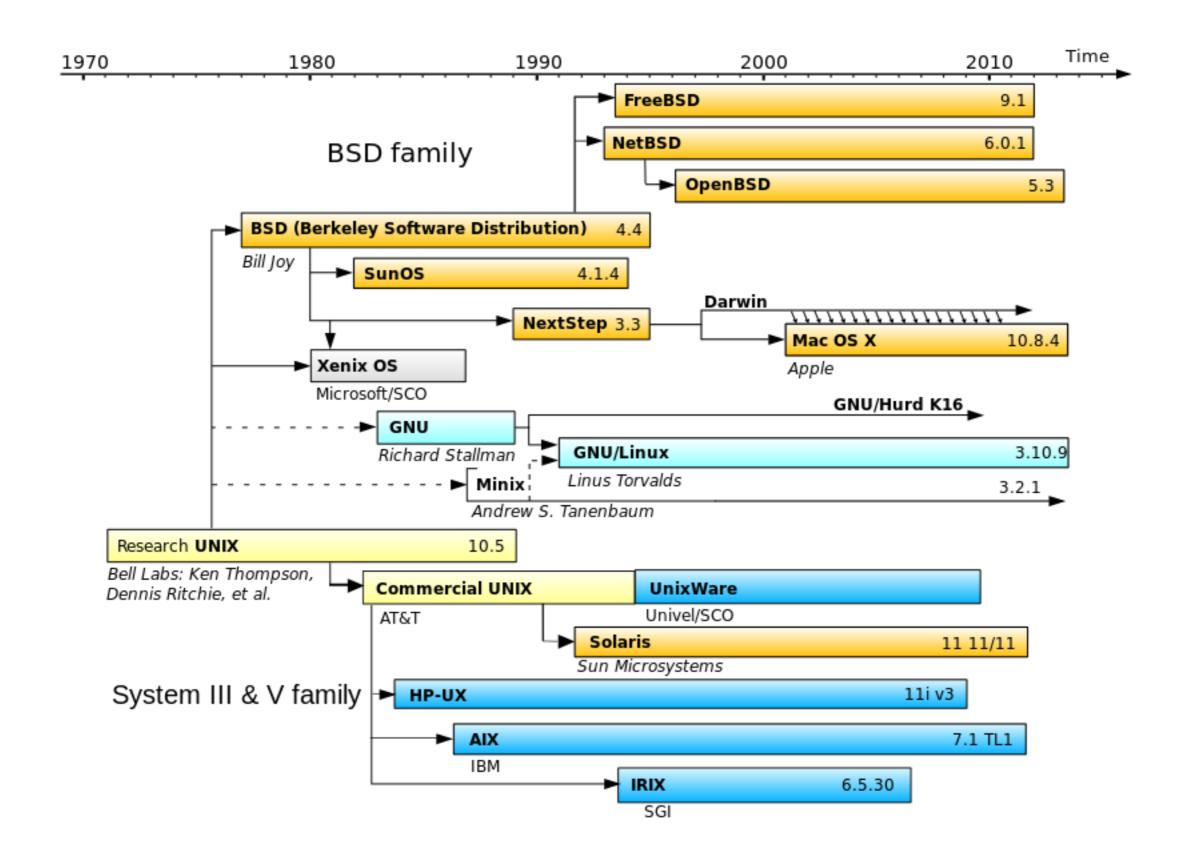
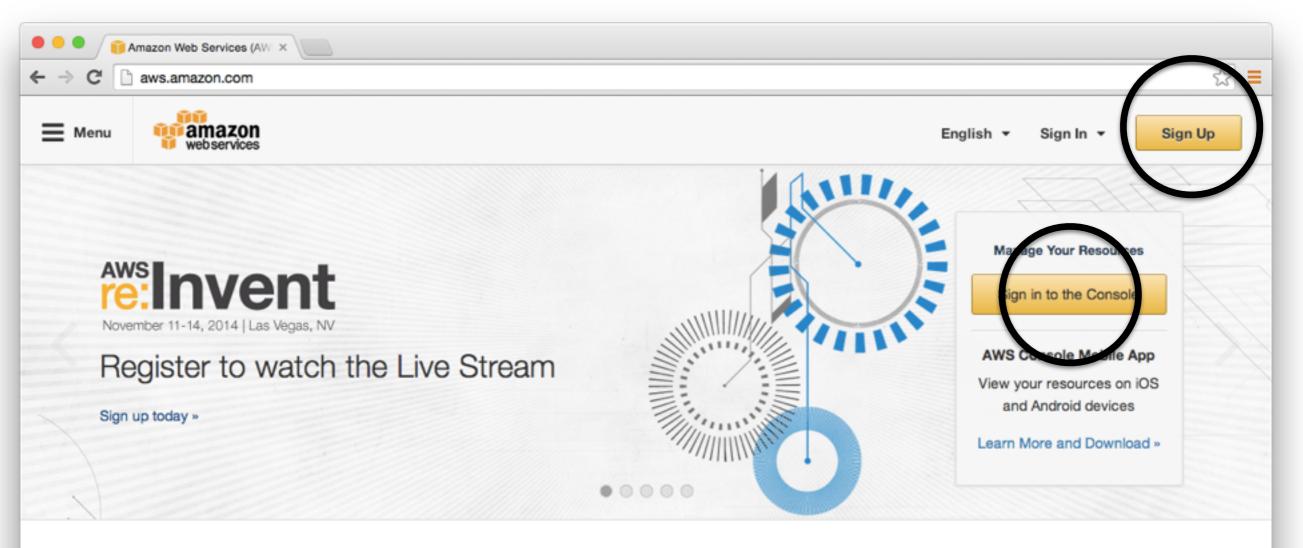
Amazon Web Service

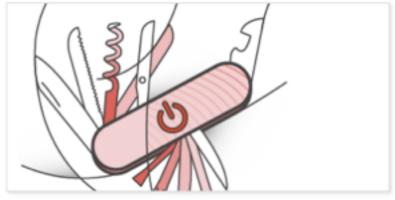
Setting up Elastic Cloud 2 (EC2)



http://en.wikipedia.org/wiki/Unix

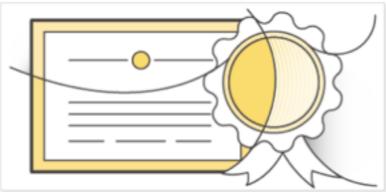
http://upload.wikimedia.org/wikipedia/commons/1/1b/ Linux_Distribution_Timeline.svg





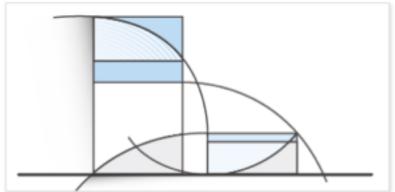


Includes training, support, guidance, and more. Free to join



GET AWS CERTIFIED AT RE:INVENT

Validate your technical expertise.
Registration for onsite exams is now open



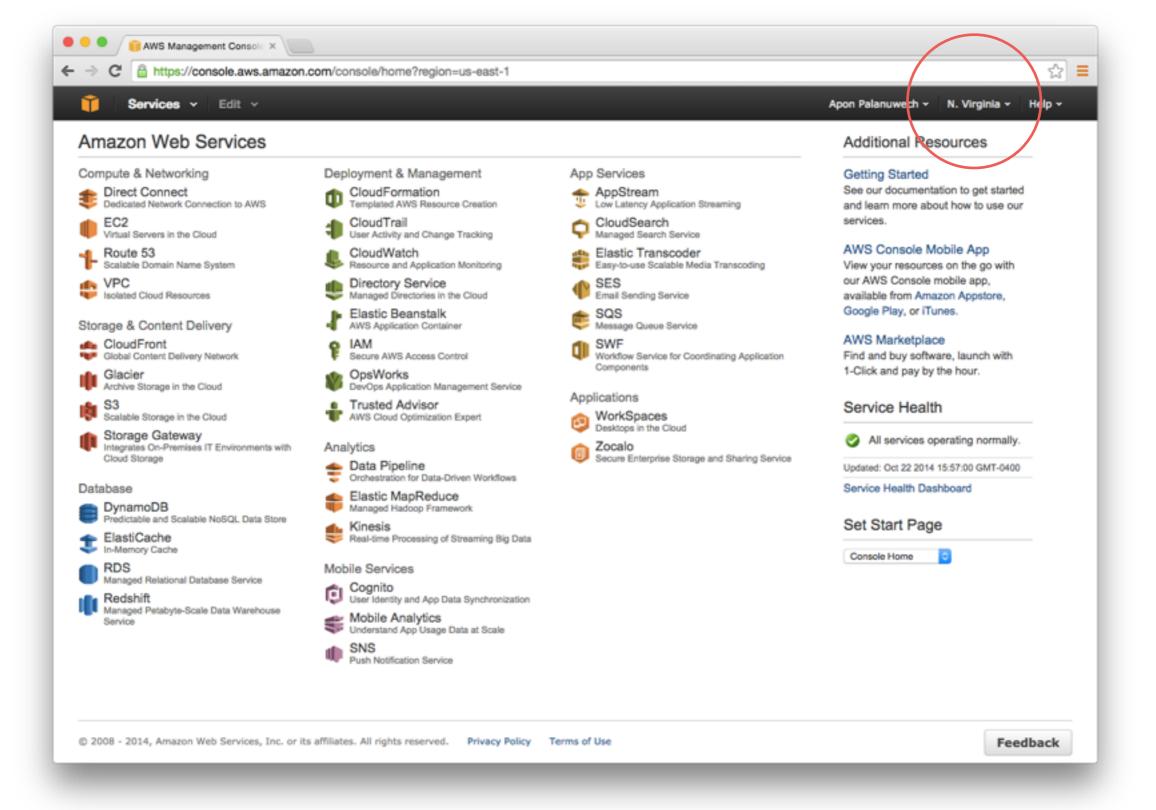
AWS TCO CALCULATOR

See how much you could save compared to traditional infrastructure

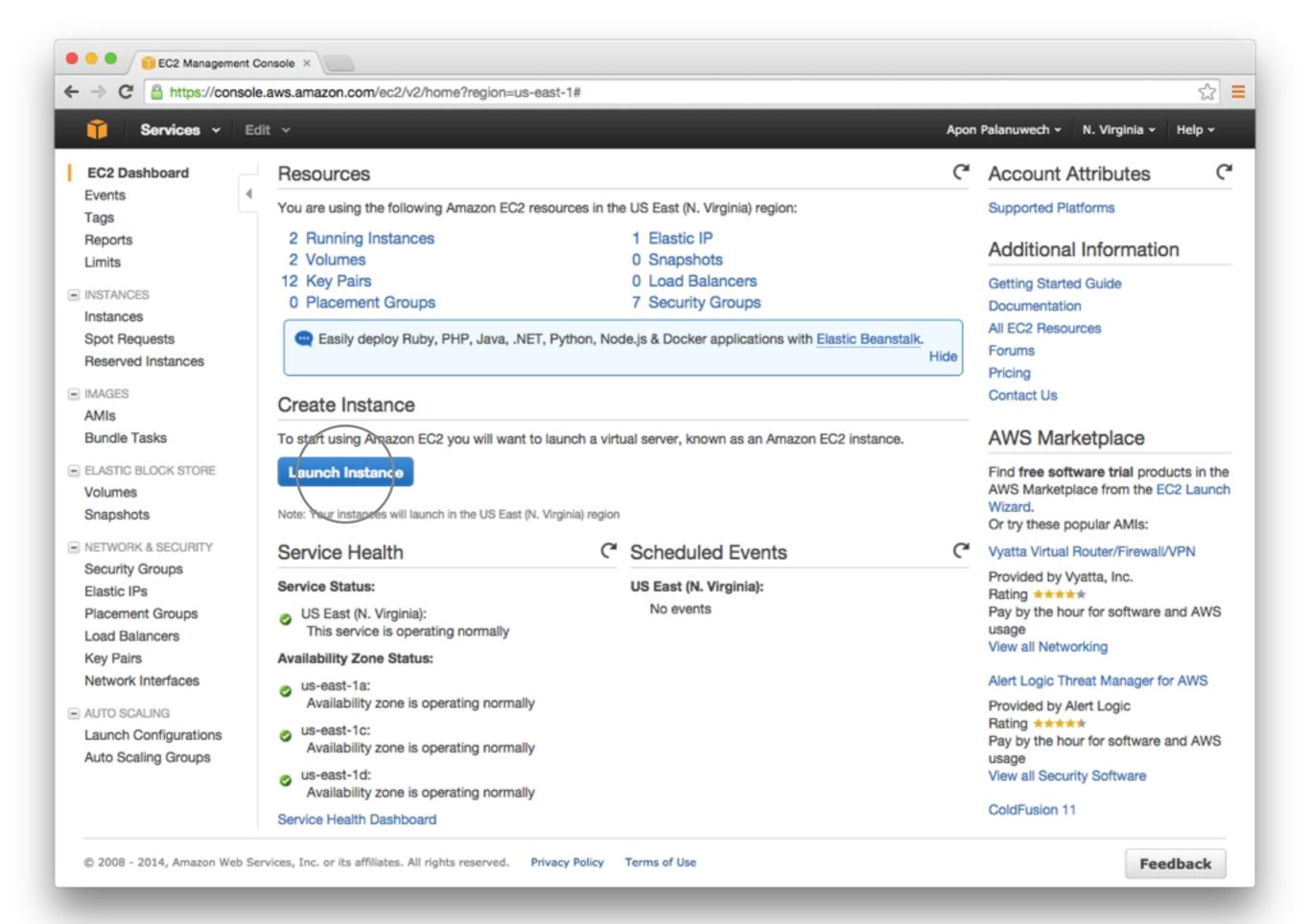
aws.amazon.com

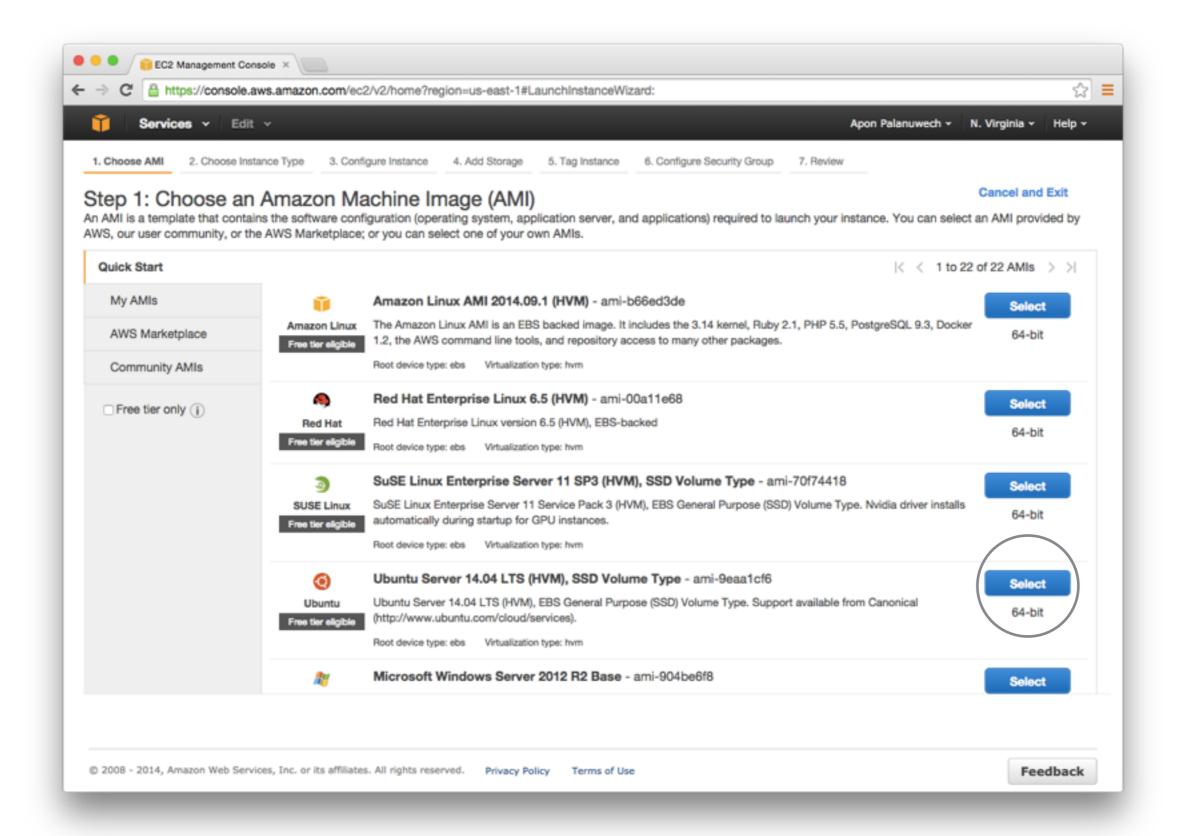
CAUTION!!!

Without free tier, 1 EC2 unit costs me \$15 monthly If you don't use it, stop or terminate it.

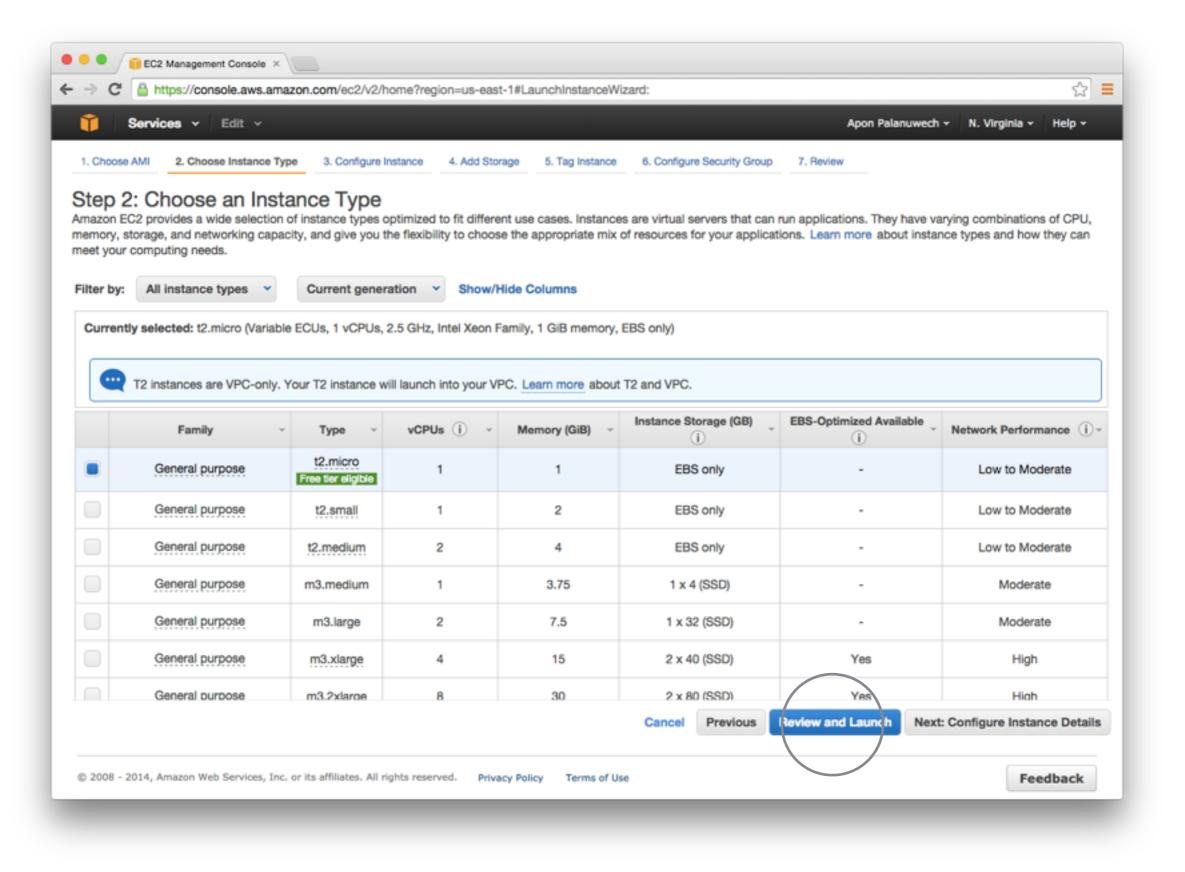


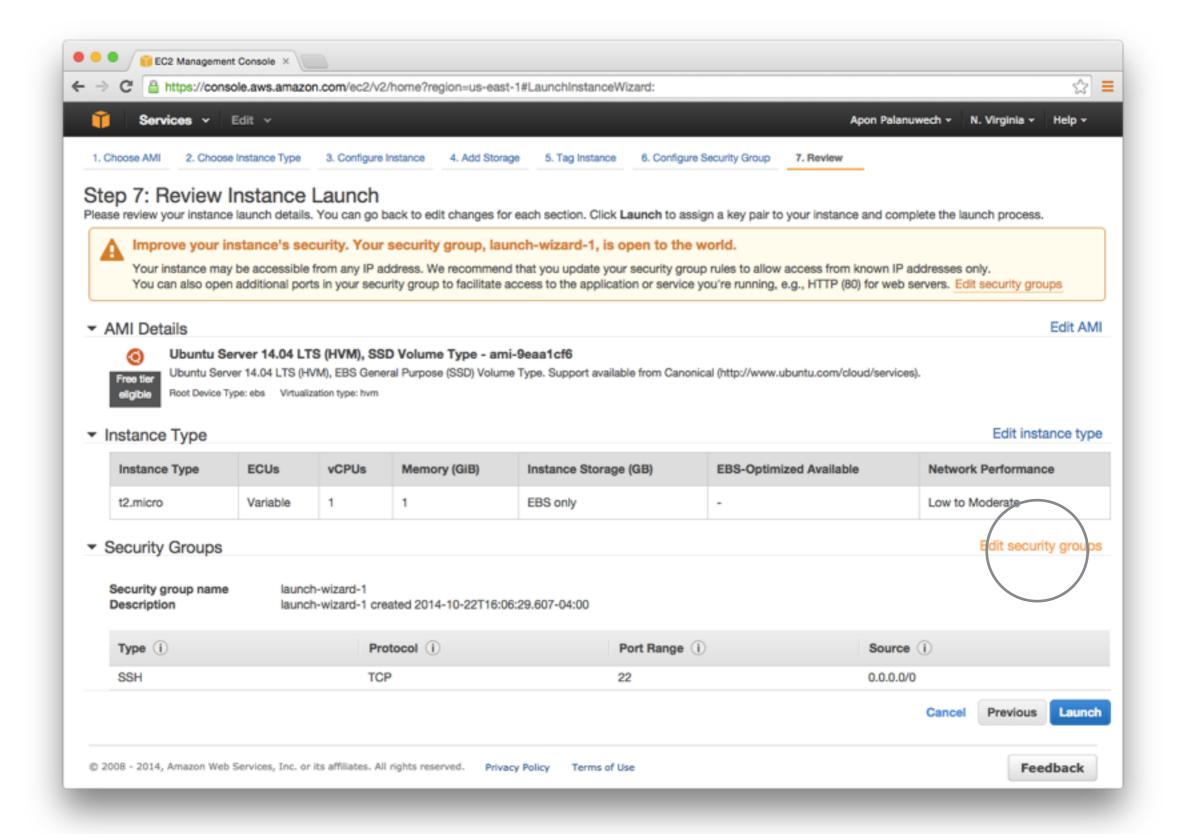
- change location to N.Virginia or any station near you
- select EC2



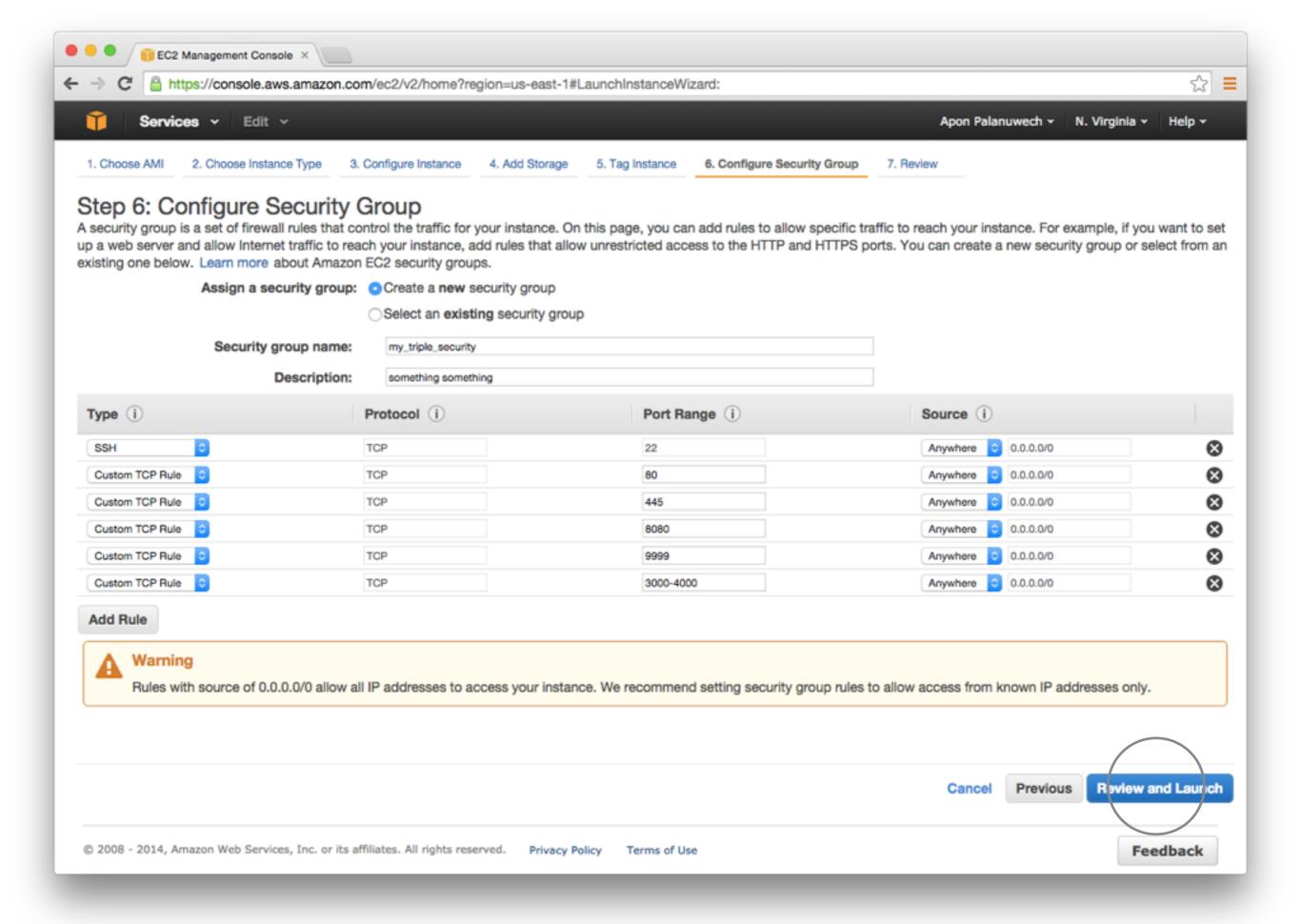


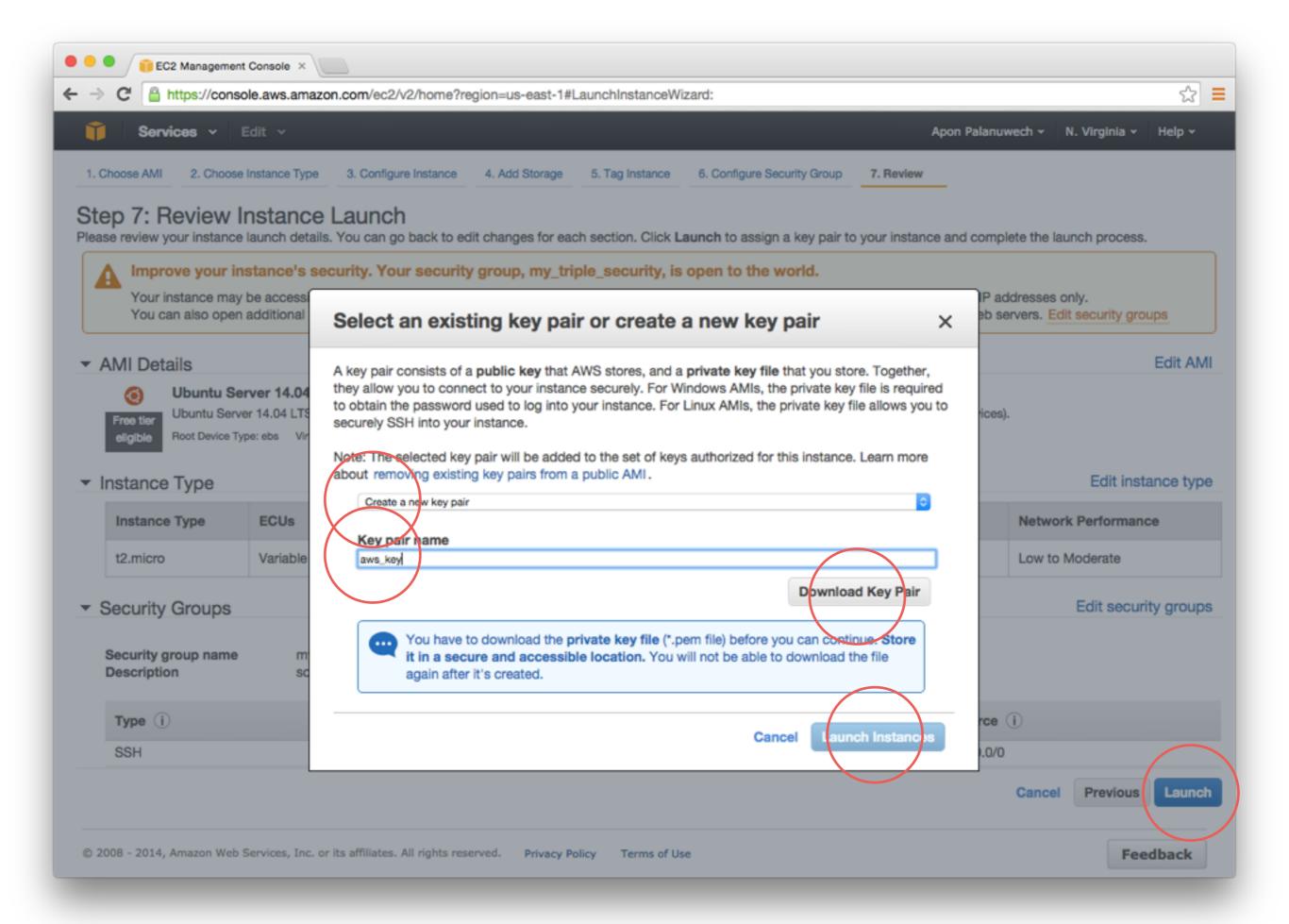
We'll be using Ubuntu distribution (Free for a year!)





Edit security groups allows full control of all ports remember 0-65535





Now wait like 5 minutes...

In the meantime, let's configure our .pem we just downloaded

```
• • •
                         Last login: Wed Oct 22 12:56:23 on ttys000 apon:~ aponpalanuwech$ ■
```

Ubuntu requires the .pem key to have 0600 permission http://www.thinkplexx.com/learn/article/unix/command/chmod-permissions-flags-explained-600-0600-700-777-100-etc

\$ sudo chmod 0600 ~/Download/aws_key.pem

Now assuming that our server is ready to go. Check instances tab —> if 2/2 checks pass then it's good.

- Grab Public IP, for example, 54.173.20.63
- •\$ ssh ubuntu@ 54.173.20.63 -i ~/Download/aws_key.pem
- say yes
- and boom! you're now in a Linux machine somewhere in Amazon computer center in North Virginia

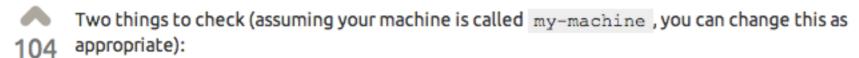
Using Nano text editor

- to create new file: \$ sudo nano banana.txt
- to save and exit: ctrl + x then return

Now we will:

- Add a user (ourselves)
- Append this user as ROOT so he/she can do root commands (sudo)
- Edit Secure-shell (ssh) configuration
- Restart sshd
- \$ sudo adduser apon
- set your password
- \$ sudo visudo

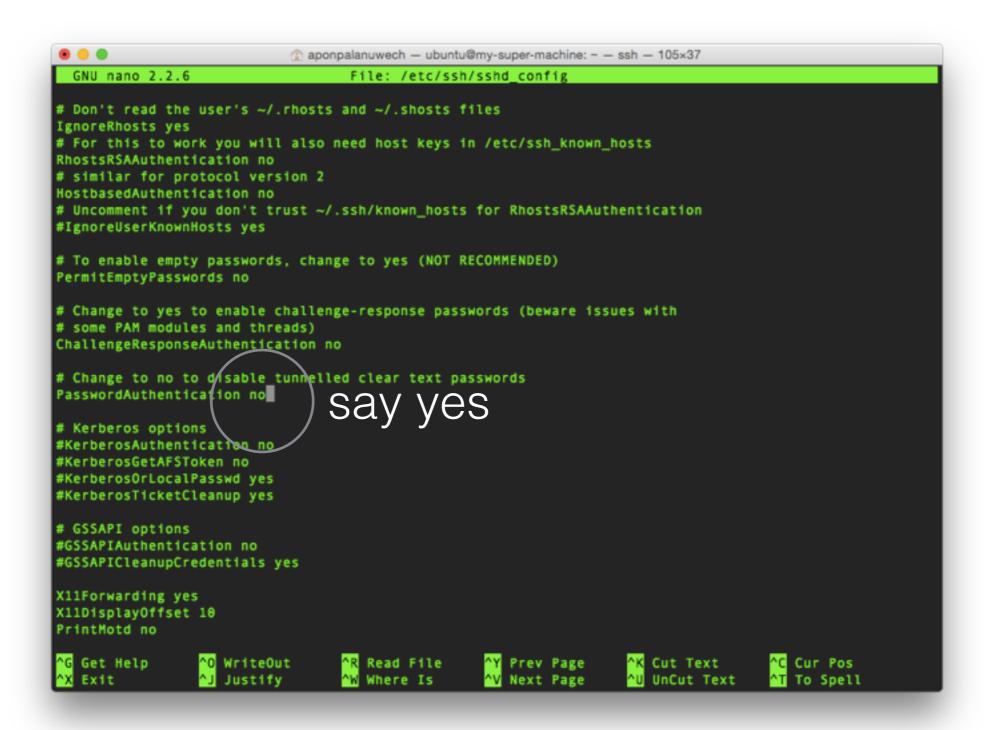
http://askubuntu.com/questions/59458/error-message-when-i-run-sudo-unable-to-resolve-host-none



- That the /etc/hostname file contains just the name of the machine.
 - 2. That /etc/hosts has an entry for localhost . It should have something like:

```
127.0.0.1 localhost.localdomain localhost
127.0.1.1 my-machine
```

\$ sudo nano /etc/ssh/sshd_config



\$ sudo service sshd restart

Let's login using our username!

On your mac,

\$ ssh apon@ 54.173.20.63

enter password

// Let's update our machine and install some useful stuff:

- \$ sudo add-apt-repository ppa:chris-lea/node.js
- // For mongodb reference: http://docs.mongodb.org/manual/tutorial/install-mongodb-on-ubuntu/
- \$ sudo apt-key adv --keyserver hkp://keyserver.ubuntu.com:80 -recv 7F0CEB10
- \$ echo 'deb http://downloads-distro.mongodb.org/repo/ubuntu-upstart dist 10gen' | sudo tee /etc/apt/sources.list.d/mongodb.list
- \$ sudo apt-get update
- \$ sudo apt-get install nodejs samba build-essential
- // mongodb takes a lot of space and time to install, do it only when needed
- \$ sudo apt-get install mongodb-org

Now we will:

- Configure Samba

On Ubuntu,

\$ mkdir share

\$ sudo chmod 777 share/

\$ sudo nano /etc/samba/smb.conf

At the bottom of the file

[SHARE]
path = /home/apon/share
read only = no
browsable = yes
public = yes
writable = yes
create mask = 0644
directory mask = 0755

\$ sudo restart smbd

On your mac,

Finder > Go > Connect to server smb://your-ip-of-the-server

login as guest... and you're good



