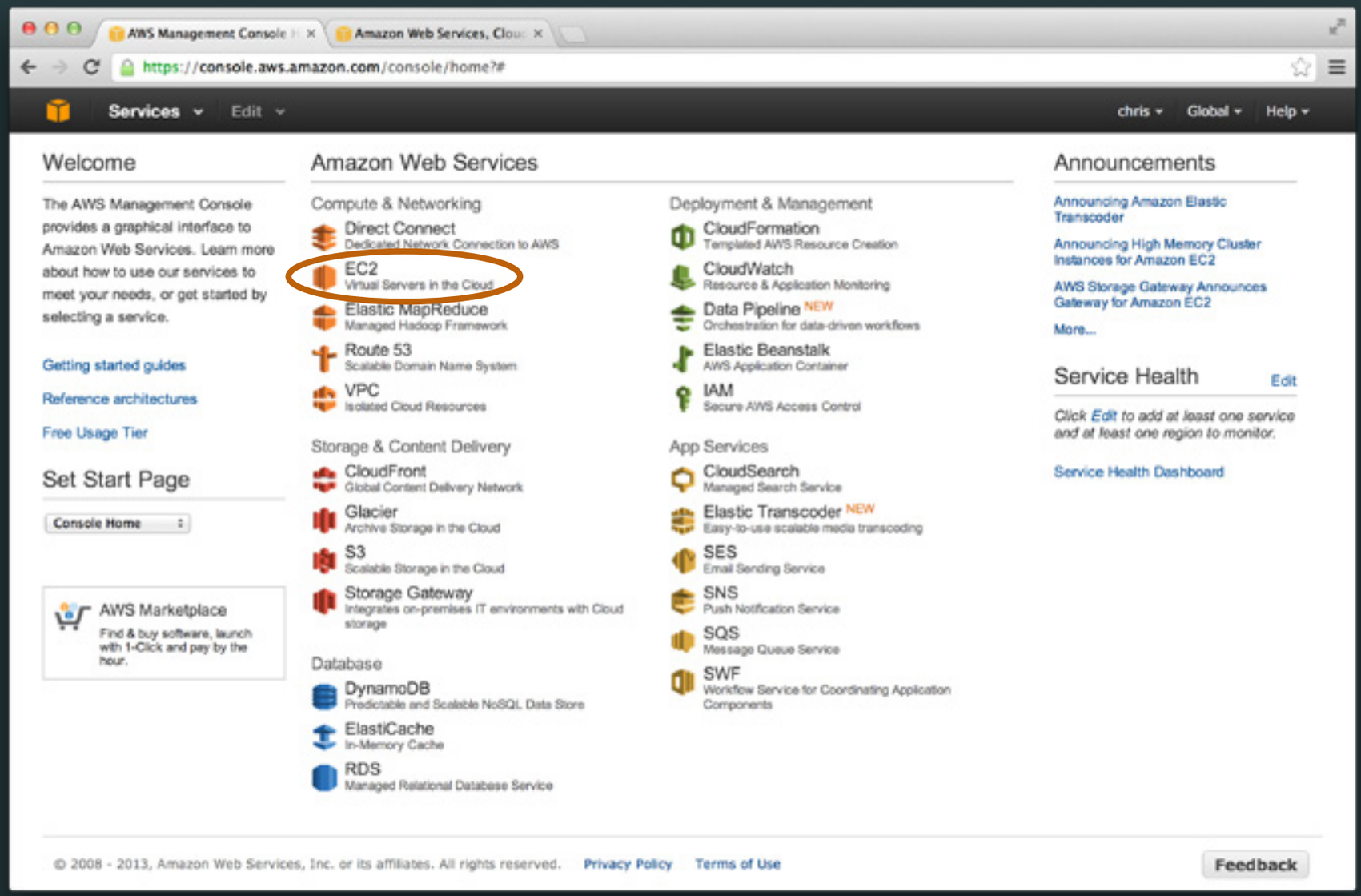
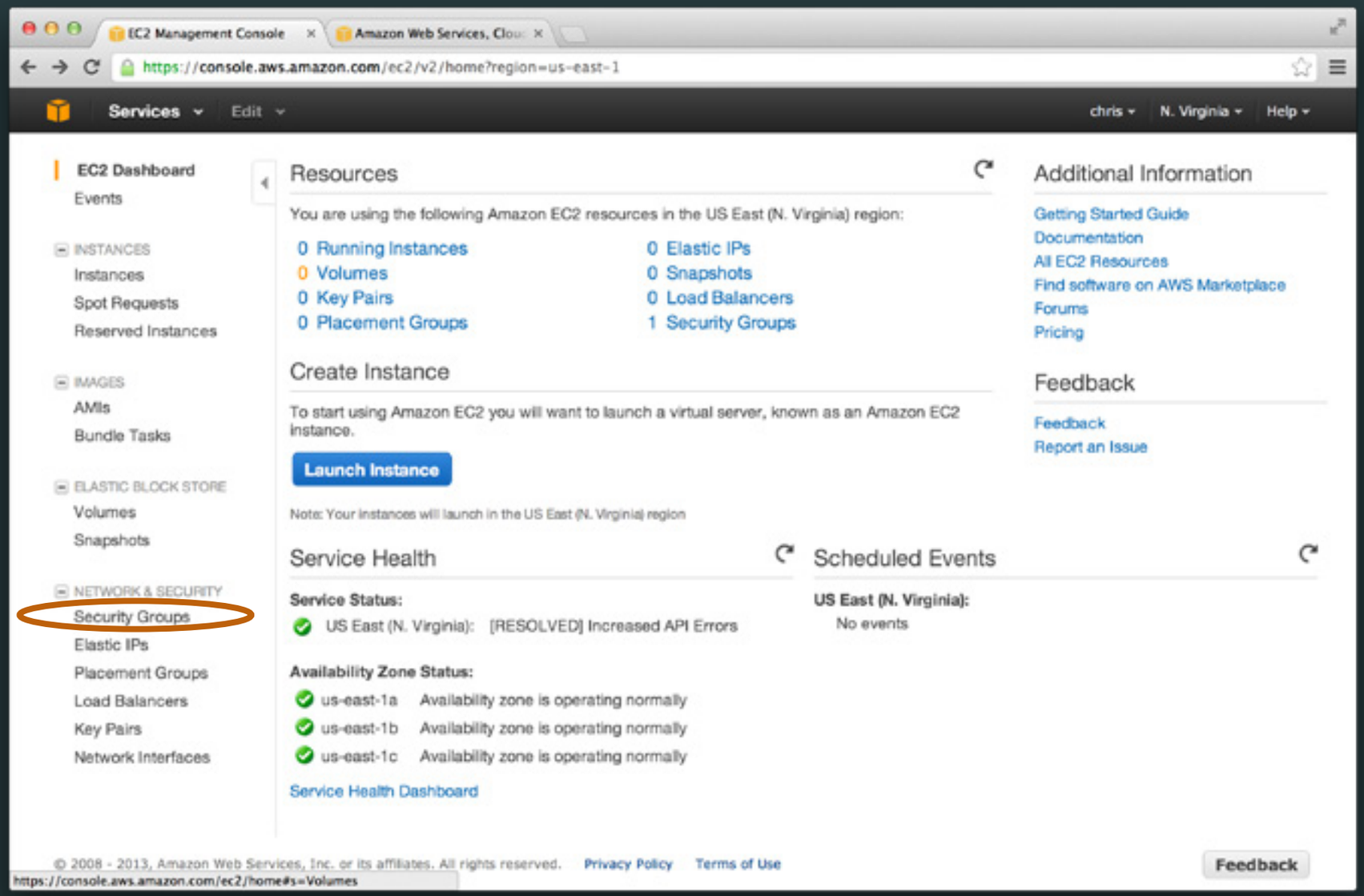
STEP 1

Sign up for Amazon AWS
aws.amazon.com



STEP 2

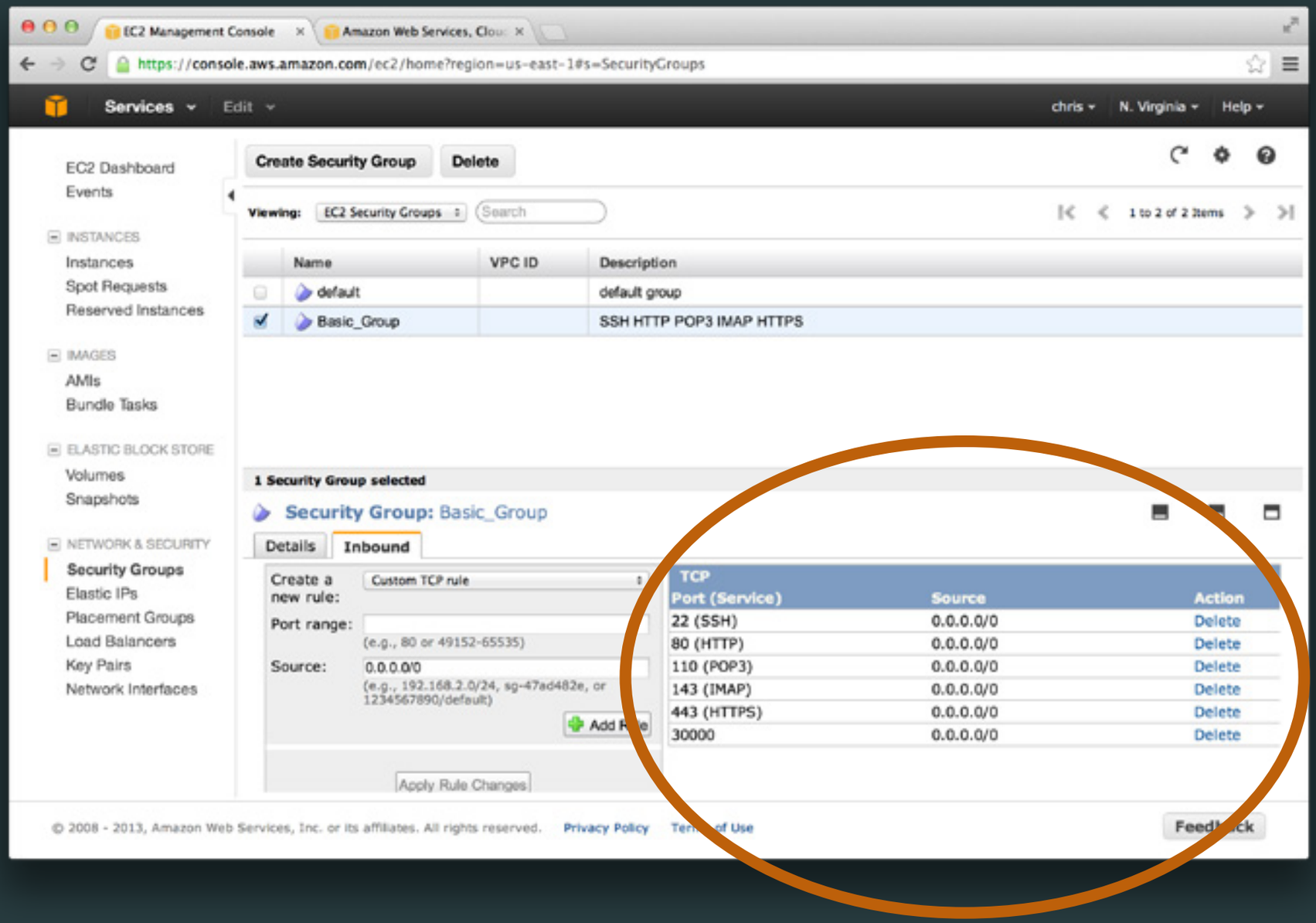
Click E2C



STEP 3

Security Groups

Wait. What's a Security Group?



STEP 4

Make a group as such

Make sure to click ‘Apply Rule Changes’

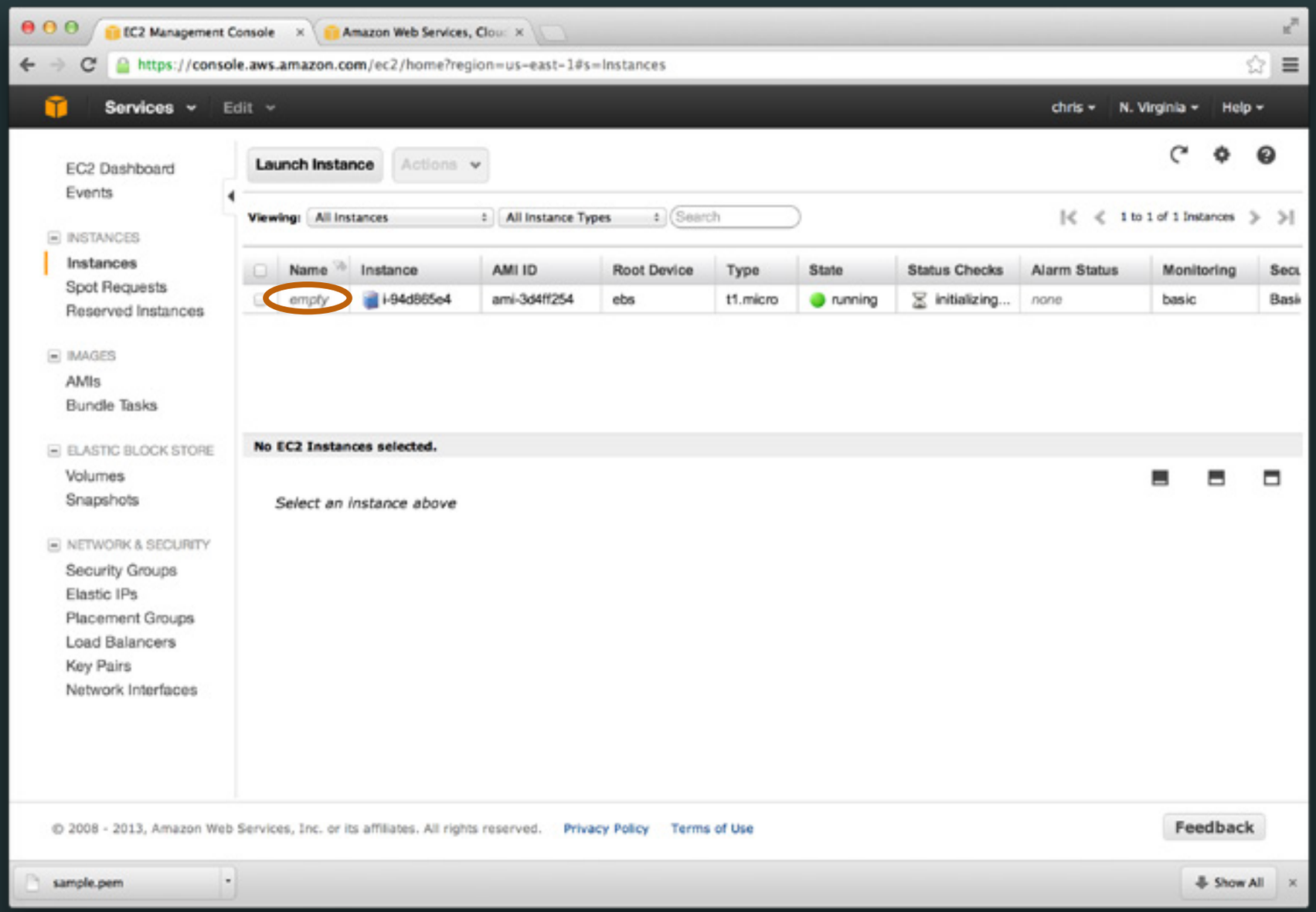
STEP 6

Click Instances

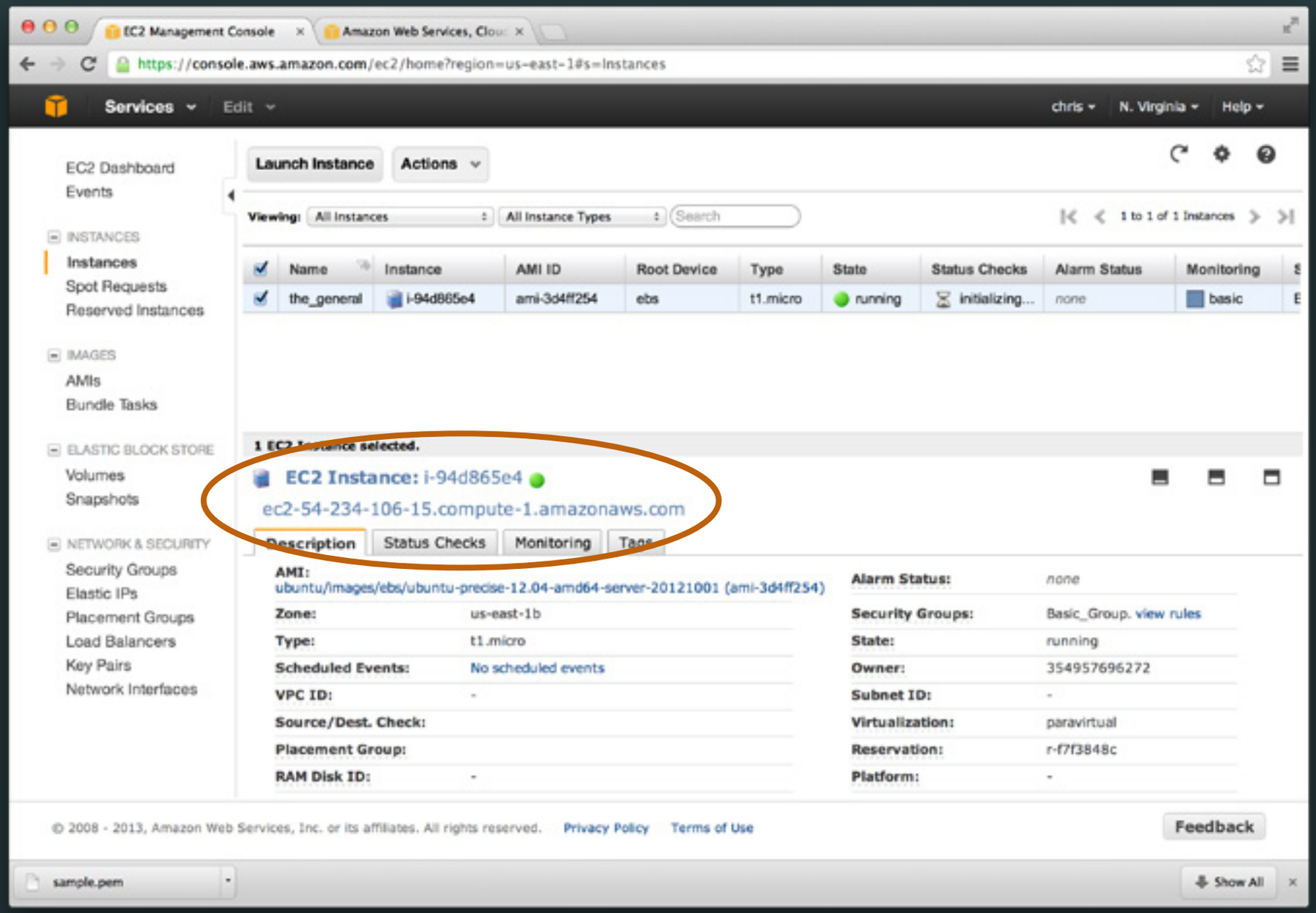
STEP.....

Launch Instance

- Launch Instance by clicking... You guessed it.
- Select Classic Wizard & Continue it.
- Select Ubuntu Server 12.04.1 LTS, 64-bit (my preference)
- Create a new ‘key pair’ - Name it anything and download it
- Select your ‘Security Group’



Edit Instance Name



Copy your **whatever**.amazonaws.com

Connect to your server

Open Terminal.app

Windows users - Putty & WinSCP ==» http://bit.ly/1YXodh

Fix your keypair

chmod 0600 ~/Downloads/**yourkey**.pem

Log into the machine

ssh ubuntu@**whatever**.amazonaws.com -i ~/Downloads/**yourkey**.pem

Wait ! What did we just do??

ssh = connect to the servers command line
**Think FTP for Terminal

ubuntu@whatever.amazonaws.com = username@address.com
**ubuntu is default username for new EC2 Ubuntu

-i ~/Downloads/yourkey.pem = identity file argument

You are now connected to the cloud

Your command line is now in charge to the EC2 Server,
until you disconnect (CTRL+D) or close the terminal
you are on that machine.

Pro Tip: Update

sudo apt-get update

sudo apt-get upgrade

Always update when you boot a new instance

Now Let's Install Apache

Apache is web server software.

Its your sites switchboard operator.

It runs alot of websites.

To do this type...

sudo apt-get install apache2

So Now, What was that?

sudo = super user ‘do’. sudo means your calling the shots

sudo requires permission - in this case EC2 preset this

apt-get = command line program - system package manager.

install = the command for our program (in this case apt-get)

More more more....

sudo apt-get install mysql-server mysql-client

sudo apt-get install mongodb

sudo apt-get install git-core

sudo apt-get install php5 php5-dev libapache2-mod-php5 php5-curl php5-gd php5-idn php-pear php5-imagick php5-imap php5-mcrypt php5-memcache php5-ps php5-pspell php5-recode php5-snmp php5-tidy php5-xmlrpc php5-xsl php5-common

http://learning.piuggi.com/web3_S13/ubuntu.html

Looking for a particular package?

google ‘apt-get **[something i need]**’

Lets test out our new server.

Go to

http://**whatever**.amazonaws.com

Applause.

Next...

We need to set up SFTP

Make some credentials

sudo useradd -m **[username]**

sudo passwd **[username]**

-m creates a home folder for our new user.

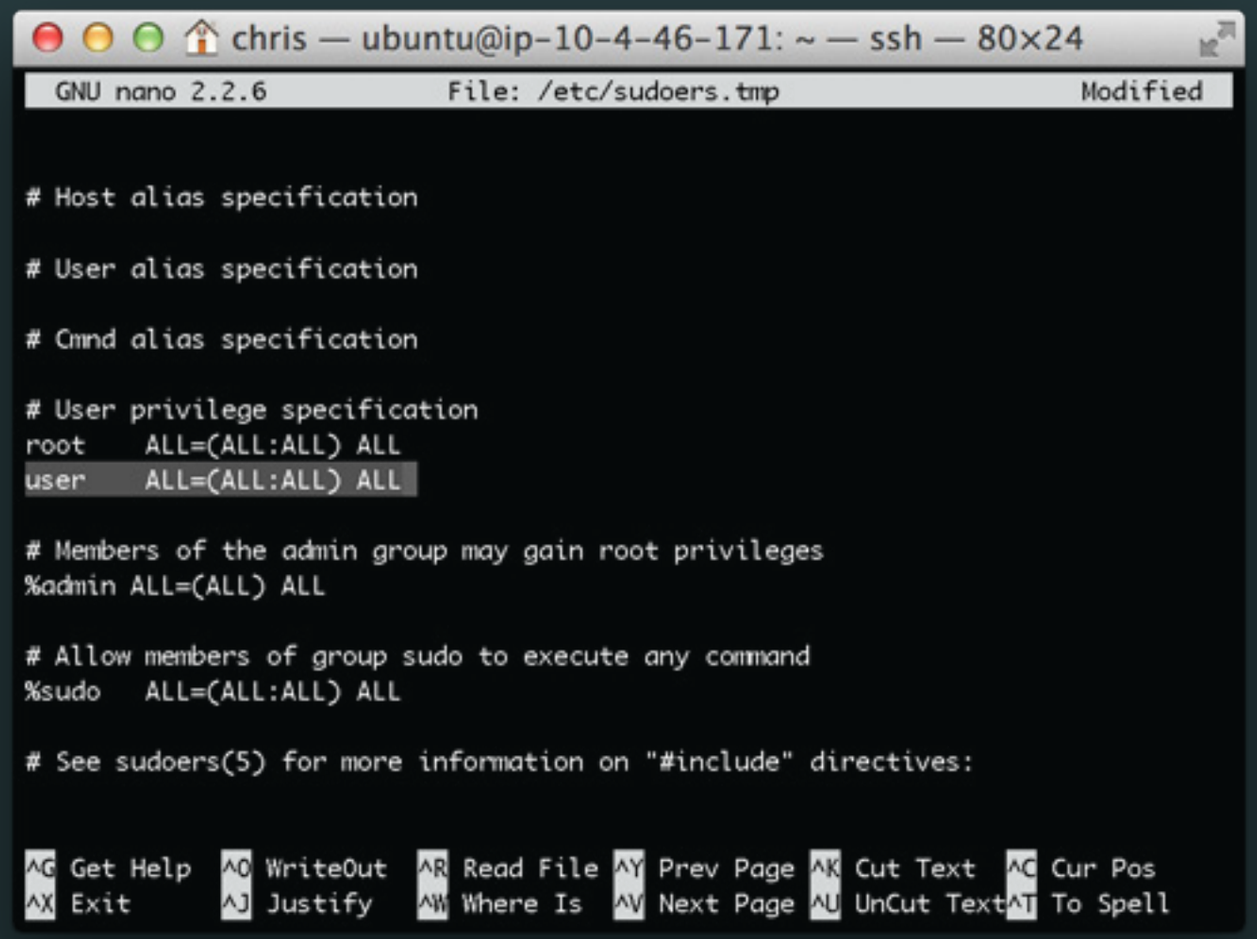
Enter your password twice - It will not show up on the screen.

Make Yourself Super

sudo visudo

vi

command line text editor



Add your **[username]** under root

Save and Quit

CTRL+O

ENTER

CTRL+X

Try it out...

su **[username]**

sudo ls

Edit SSH Settings

sudo vi /etc/ssh/sshd_config

type i to edit (i==insert)

Set port from 22 to 30000. For security reasons.

PermitRootLogin should be no

Password Authentication should be yes

Hit ESC

Type ‘:wq’ to save & quit

Restart SSH

```
sudo /etc/init.d/ssh restart
```

Folders & Permissions

set up the www directory so we can edit it

Create a group

sudo groupadd webadmin

sudo usermod -a -G webadmin **[username]**

$ sudo usermod -a -G webadmin root

Edit the WWW Directory

sudo chown -R root:webadmin /var/www

sudo chmod -R 775 /var/www

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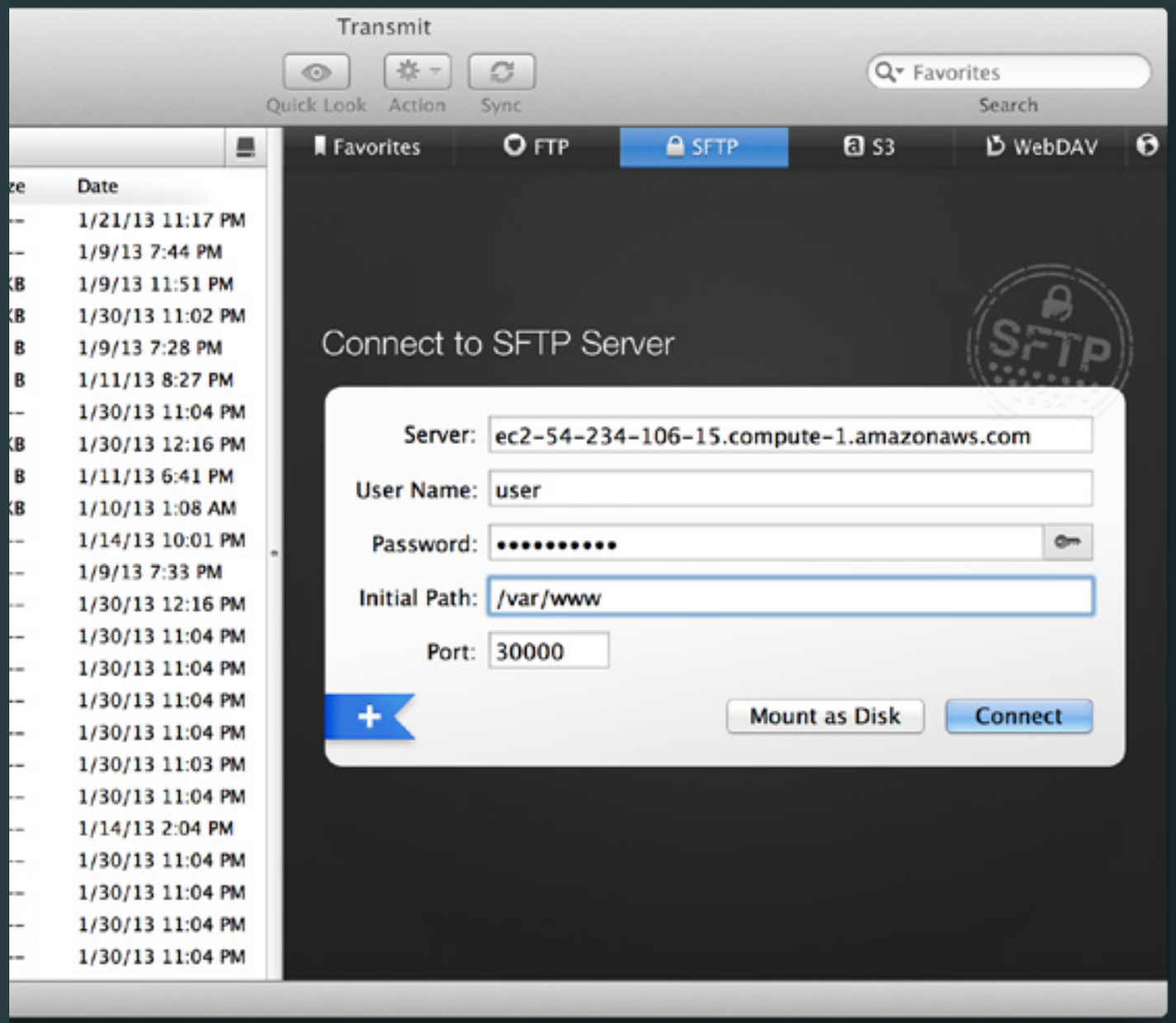
Transmit
Quick Look
Action
Sync
Favorites
Search
Favorites
FTP
SFTP
S3
WebDAV
Date
1/21/13 11:17 PM
1/9/13 7:44 PM
1/9/13 11:51 PM
1/30/13 11:02 PM
1/9/13 7:28 PM
1/11/13 8:27 PM
1/30/13 11:04 PM
1/30/13 12:16 PM
1/11/13 6:41 PM
1/10/13 1:08 AM
1/14/13 10:01 PM
1/9/13 7:33 PM
1/30/13 12:16 PM
1/30/13 11:04 PM
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Connect to SFTP Server
SFTP
Server: ec2-54-234-106-15.compute-1.amazonaws.com
User Name: user
Password:
Initial Path: /var/www
Port: 30000
Mount as Disk
Connect

Log in !

Login with SSH

ssh **username**@**whatever**.amazonaws.com -p 30000

Linux Commands

ls = list directory

ls -la = list directory organize and provide file info
including hidden files & permissions

cd /path/to/directory = change directory

pwd = current directory

mkdir [dir] = make new directory

chmod XXX [dir/file] = change the read/write permissions of file

chown [user]:[group] [dir/file] = change ownership of file

CTRL+D = quit ssh

CRTL+C = quit current operation