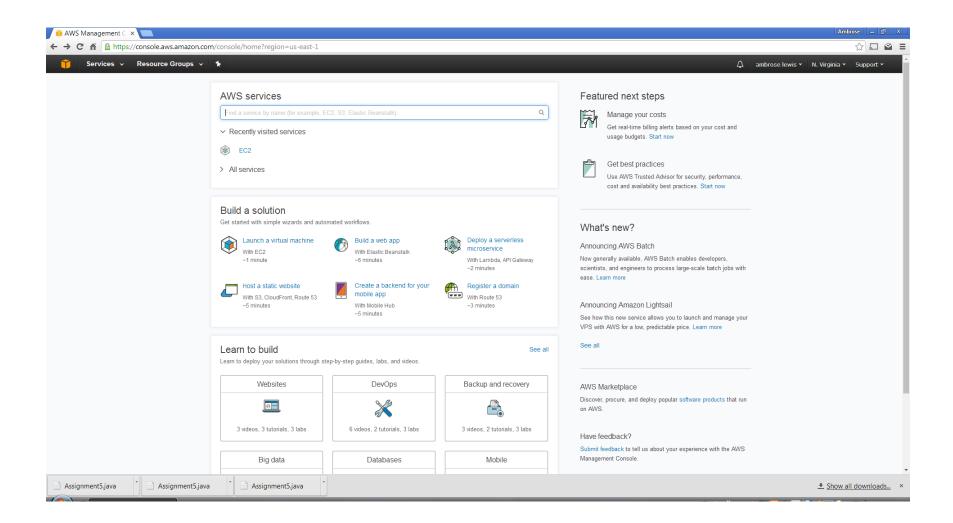
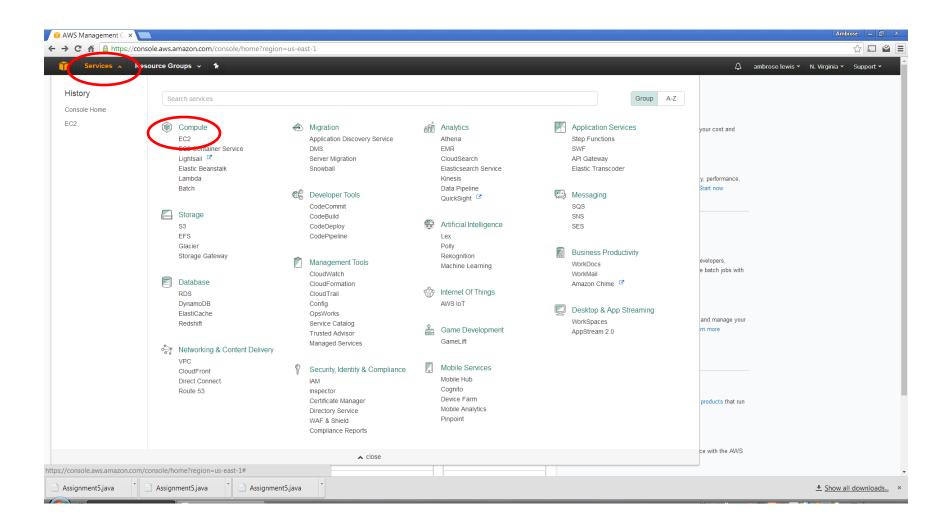
"After The Break" AWS EC2 Walkthrough

Ambrose Lewis (tjl274@email.vccs.edu)

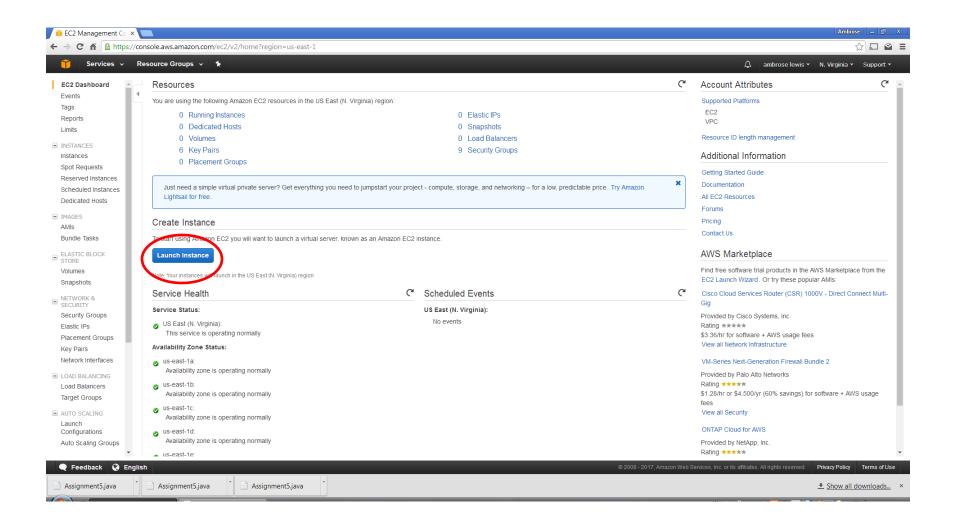
AWS Account Homepage...



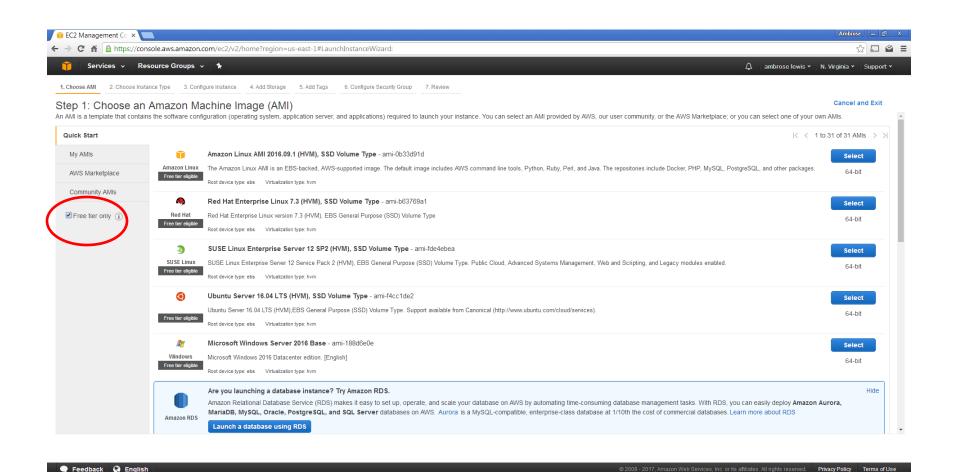
Click Services then EC2...



Click Launch Instance...



Check box for "Free Tier Only"...



Assignment5.java

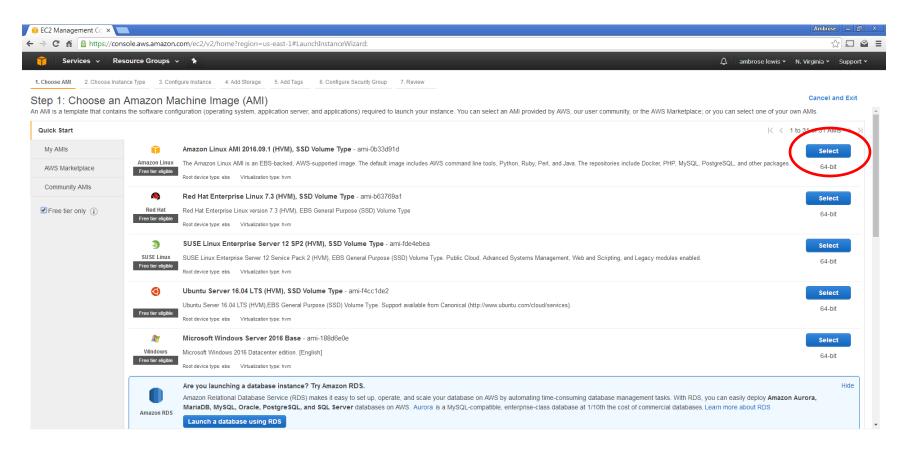
Assignment5.java

Assignment5.java

Privacy Policy Terms of Use

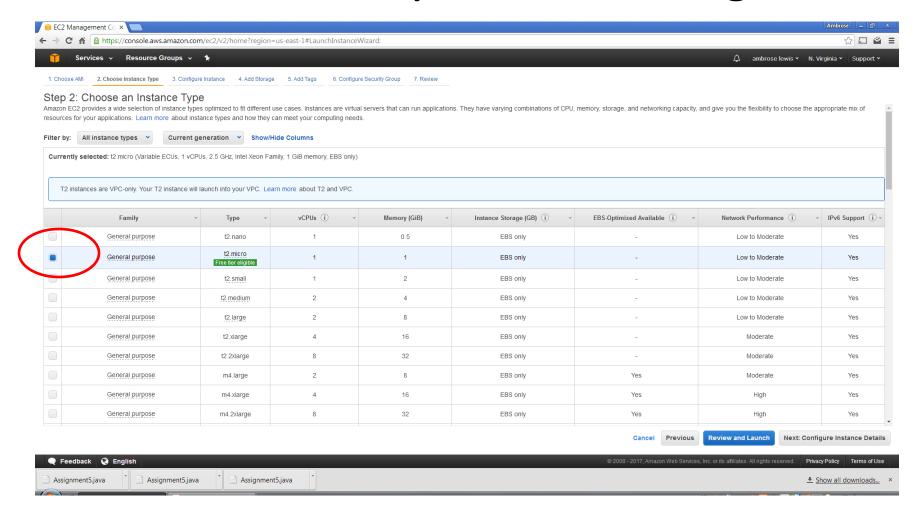
Show all downloads...

Select Amazon Linux...

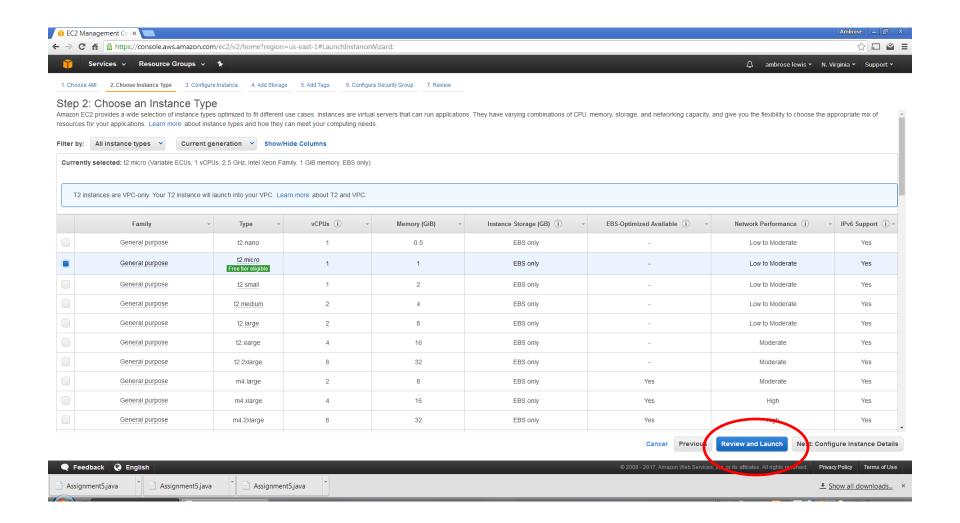




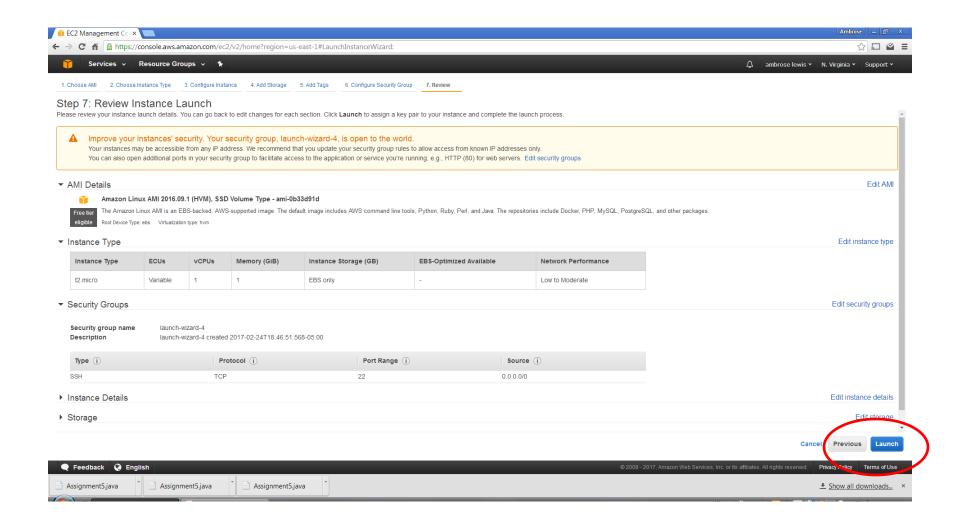
Pick t2.micro Make sure it says "free tier eligible"



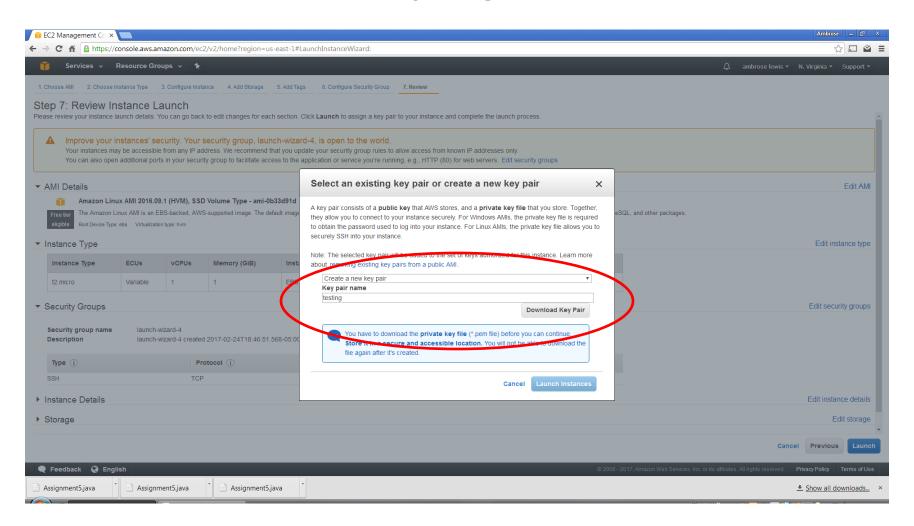
Click "review and launch"



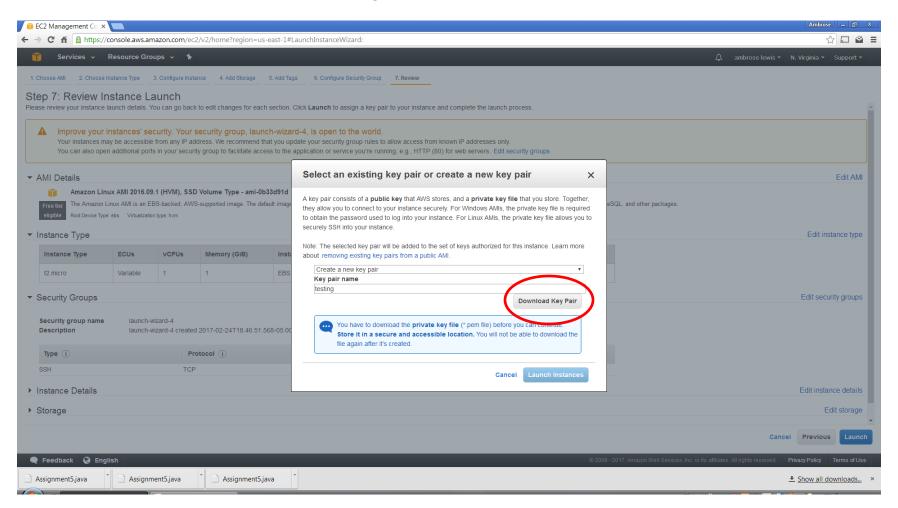
Review and click "launch"



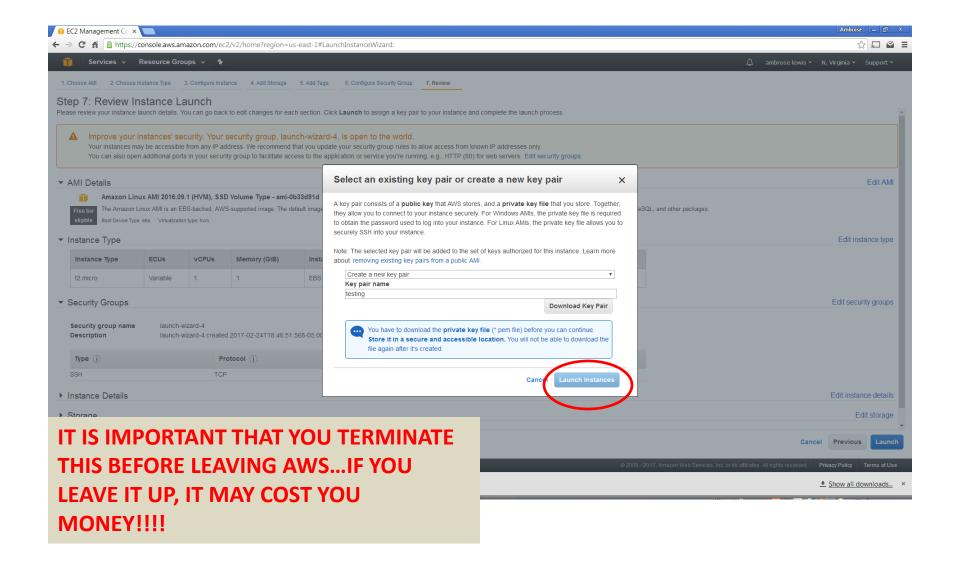
Select "new key pair" and give it a name...



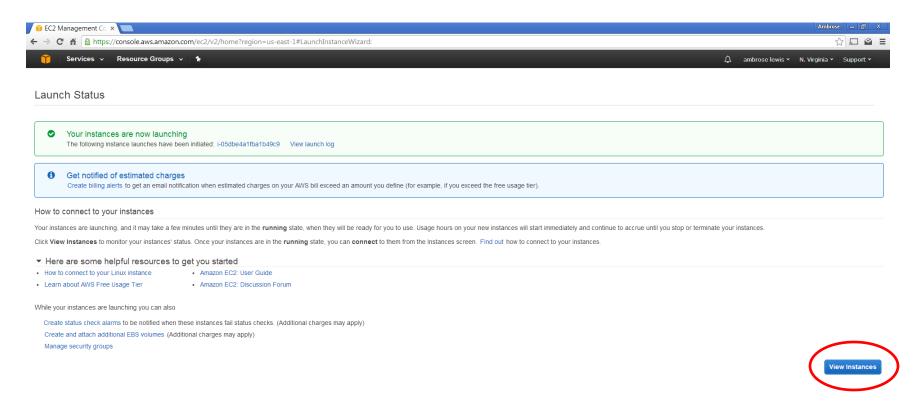
Click "download key pair" and note where the pem file is saved...



Click launch instance...

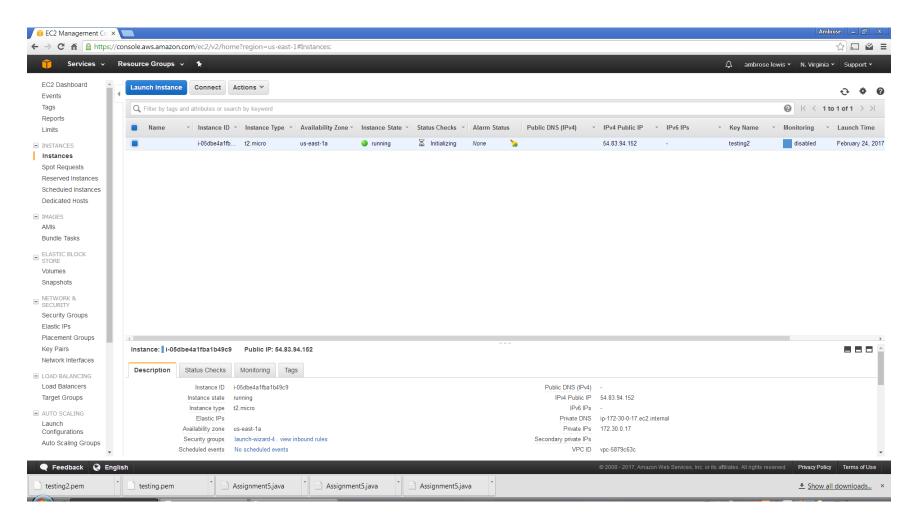


Note instances are launching Click on "view instances"

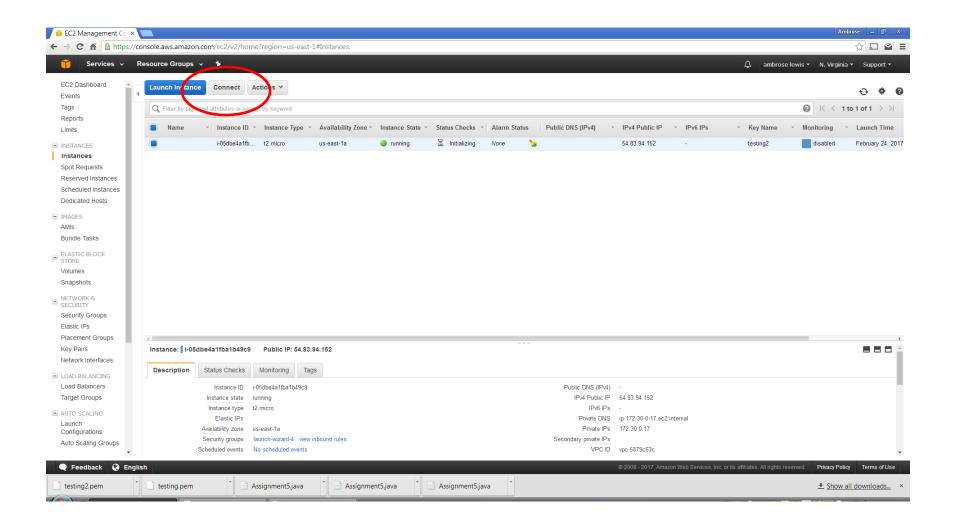




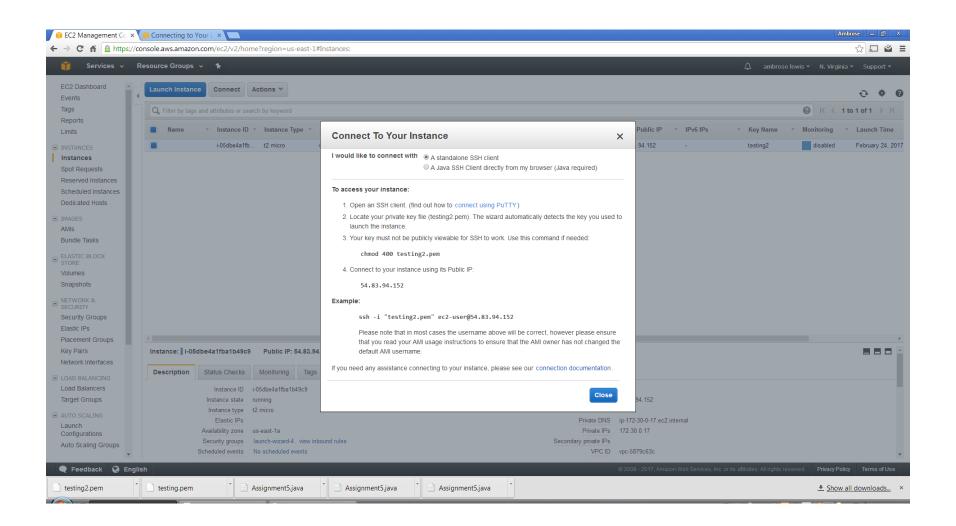
Here is your server... note the IP address...



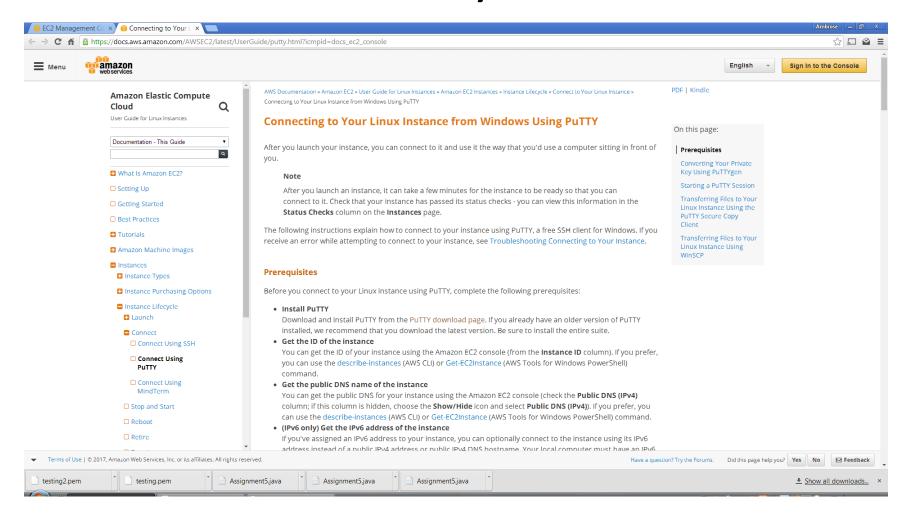
Click Connect...



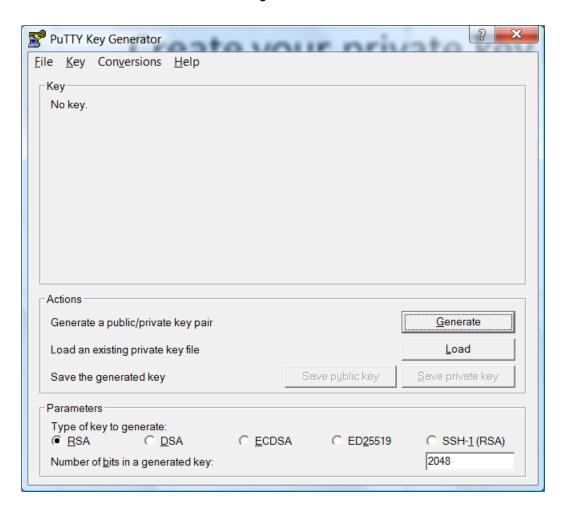
Select standalone SSH client...



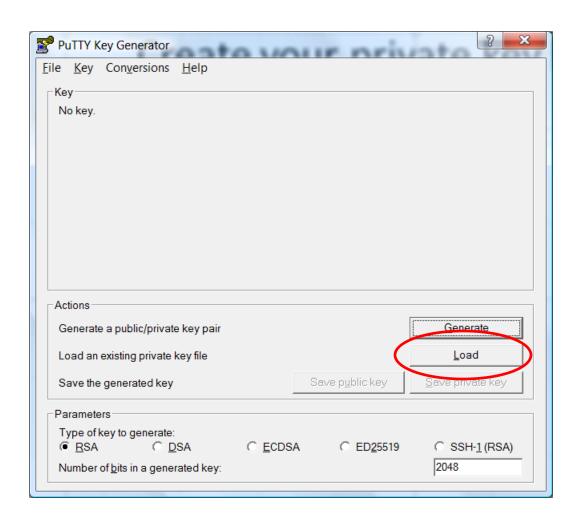
Follow these steps to get and install Putty...



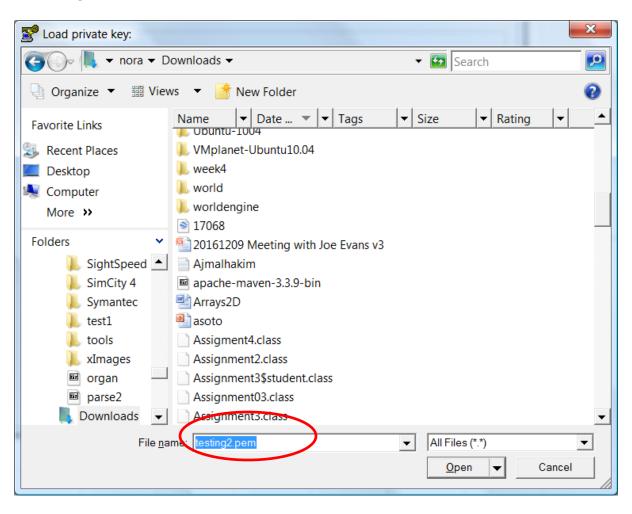
Create your private key by using PuttyGen...



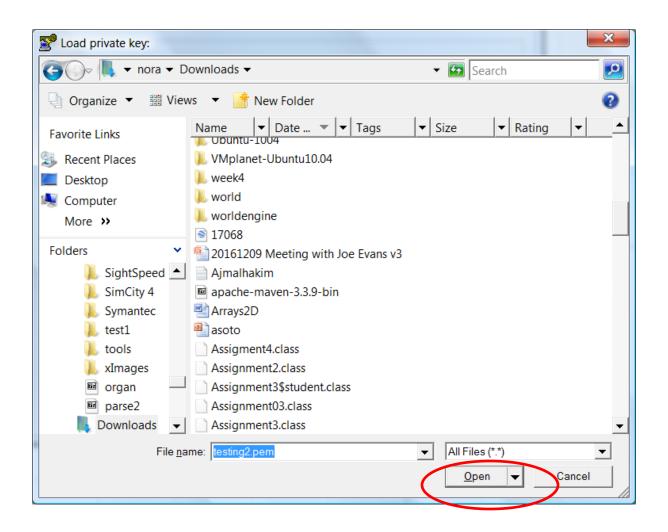
Select Load...



Change to all files and navigate to the pem file from before...



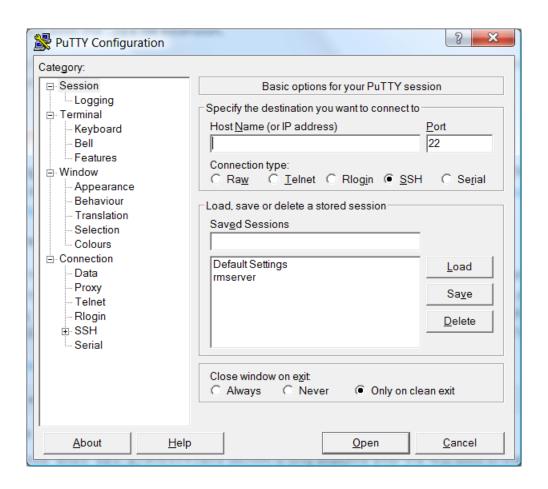
Click Open...



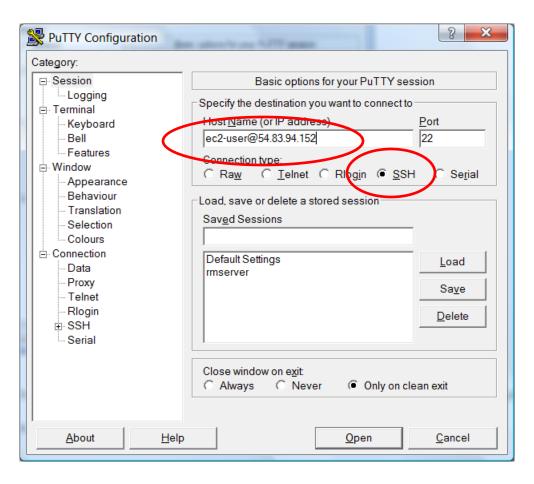
Click Save Private Key... give the file a name...

PuTTY Key Generator				? ×
<u>File Key Conversions</u>	<u>H</u> elp			
Key				
Public key for pasting into OpenSSH authorized_keys file:				
ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABAQCEnoqsmZmUkc5cQmlypQE/+VgUsRKO9VKPN				
NYMMbIT9DhKchBz52c10nD9jSR5DWlt0PLRWx2mVcMsz/oqWajzkFev7+ey3/vZ2lljtjDDZG M0A+zmbqWlQc5J0WgJ8AcWD4GFz5n+HnZ2Du5jv8EYQV+8opFz/RxEd3zgUb96qmunH8				
GxpboltCfYpp2nSBkOboZ56fSiKsLwyOHJtphsdjKEgClgMftQu1h/8UnWEetaP7KUhKYVZ9XR				
Key fingerprint	ssh-rsa 2048 62:78:18:37:66:02:0f:48:38:b8:5a:75:3e:e8:be:29			
Key comment:	imported-openssh-key			
Key p <u>a</u> ssphrase:				
Confirm passphrase:				
Actions				
Generate a public/private key pair				<u>G</u> enerate
Load an existing private key file				<u>L</u> oad
Save the generated key Save public ke			ve p <u>u</u> blic key	Save private key
Parameters				
Type of key to generate		. 50504	C 5005540	C 00114/P040
	_	<u>E</u> CDSA	© ED <u>2</u> 5519	O SSH-1 (RSA)
Number of <u>b</u> its in a generated key:				

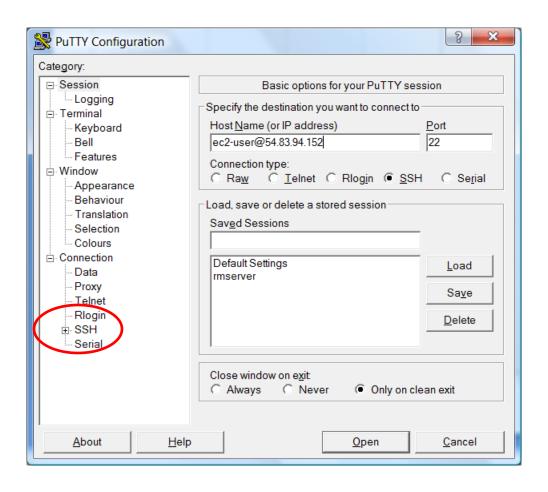
Start Putty...



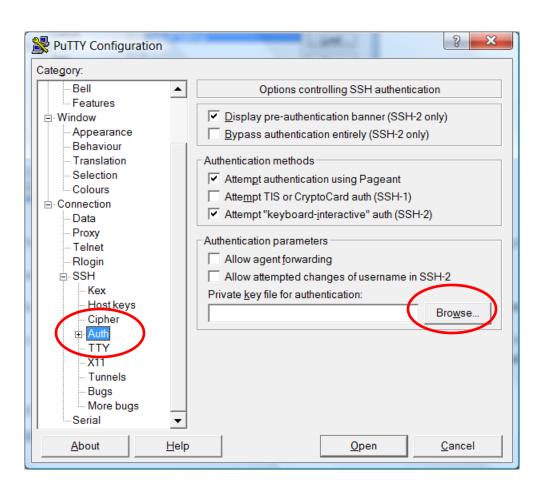
Enter "ec2-user@" and the IP address (this will be on the instances page) Make sure Connection Type is SSH



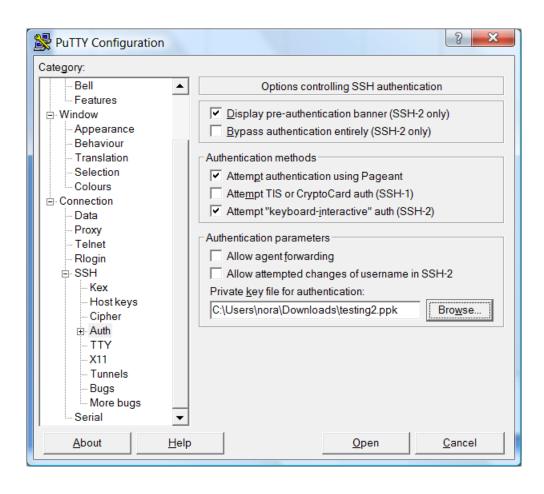
Under Category, pick SSH...



Click Auth Click Browse



Pick the ppm file from before... Click "open"...

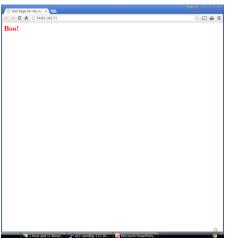


You are now logged on to your own "free" Linux box in the cloud...

```
- - X
ec2-user@ip-172-30-0-17:~
Using username "ec2-user".
Authenticating with public key "imported-openssh-key"
                   Amazon Linux AMI
https://aws.amazon.com/amazon-linux-ami/2016.09-release-notes/
4 package(s) needed for security, out of 8 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-30-0-17 ~]$
[ec2-user@ip-172-30-0-17 ~]$
[ec2-user@ip-172-30-0-17 \sim]$ ls
[ec2-user@ip-172-30-0-17 ~]$ pwd
/home/ec2-user
[ec2-user@ip-172-30-0-17 ~]$ whoami
ec2-user
[ec2-user@ip-172-30-0-17 ~]$ hostname
ip-172-30-0-17
[ec2-user@ip-172-30-0-17 ~]$
```

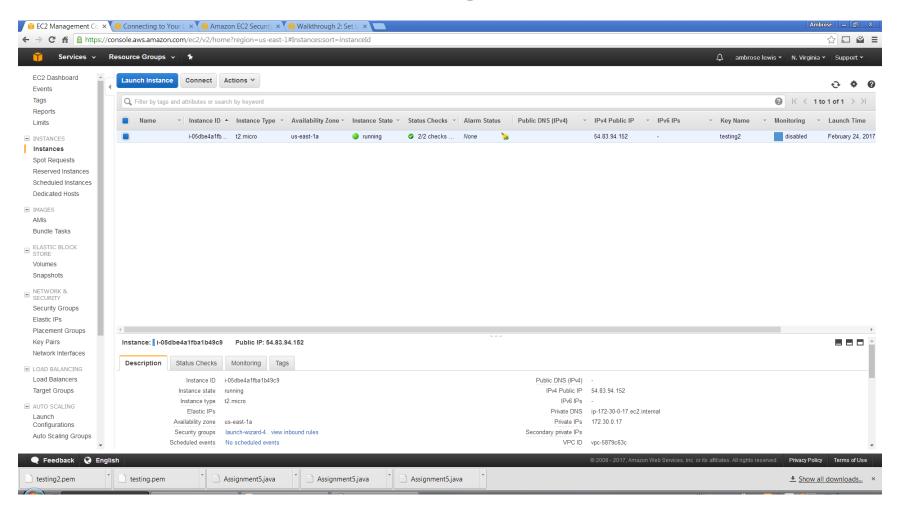
Start web server...





- See http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/install-LAMP.html
- sudo yum update -y
- sudo yum install -y httpd24 php70 mysql56-server php70-mysqlnd
- sudo service httpd start
- sudo chkconfig httpd on
- chkconfig --list httpd
- cd /var/www/html
- sudo vi index.html
- •
- <hTML>Boo!</hTML>
- :wq!
- Load the ip address in another window...

Now SHUT IT DOWN before leaving!!!!!



Right click on Instance and select Instance State then Terminate

