SRI LANKA INSTITUTE OF INFORMATION TECHNOLOGY

Enterprise Standards and Best Practices for IT Infrastructure

4th Year 2nd Semester 2016

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Group Number:

Practical Session: WD

Practical Number: Lab 2

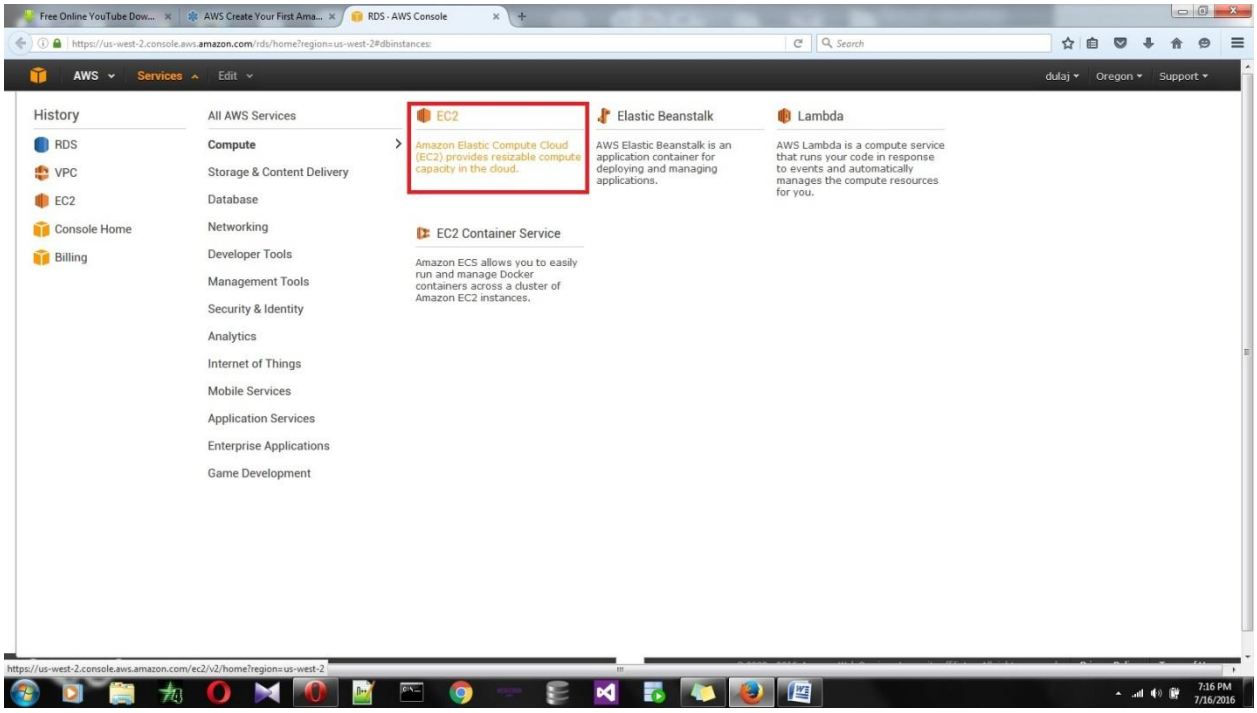
Date of Submission: 28-07-2016

Date of Evaluation : _____

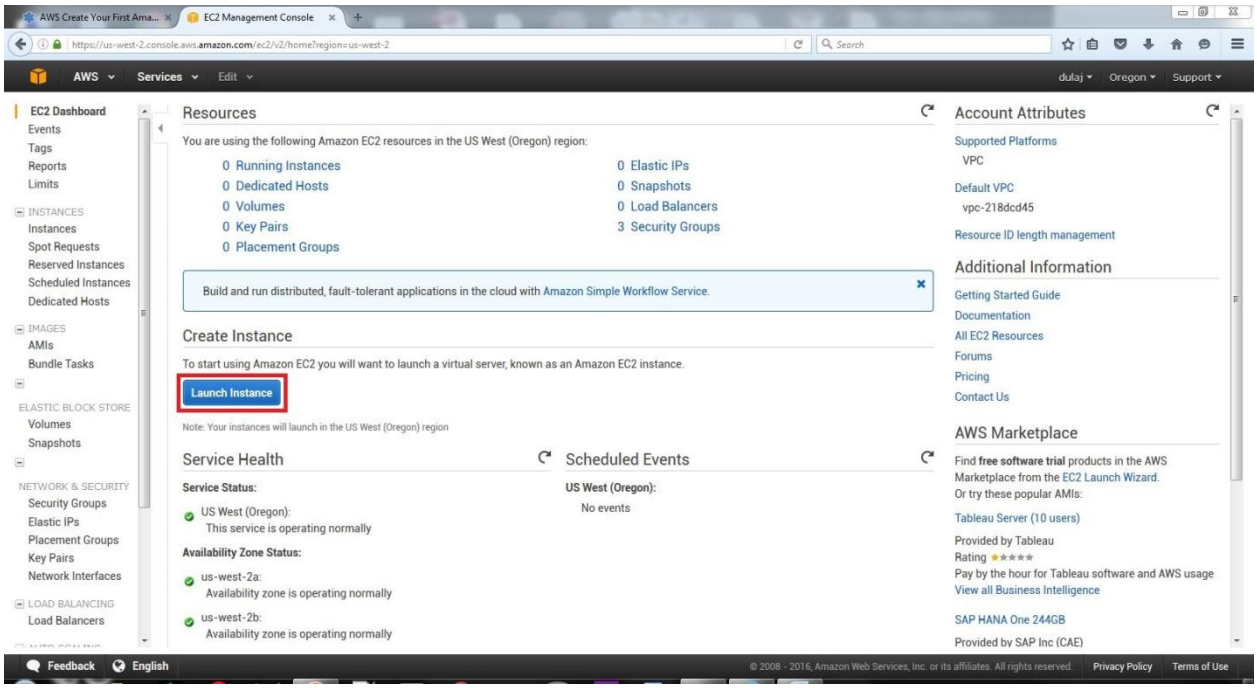
Evaluators Signature : _____

Step 1

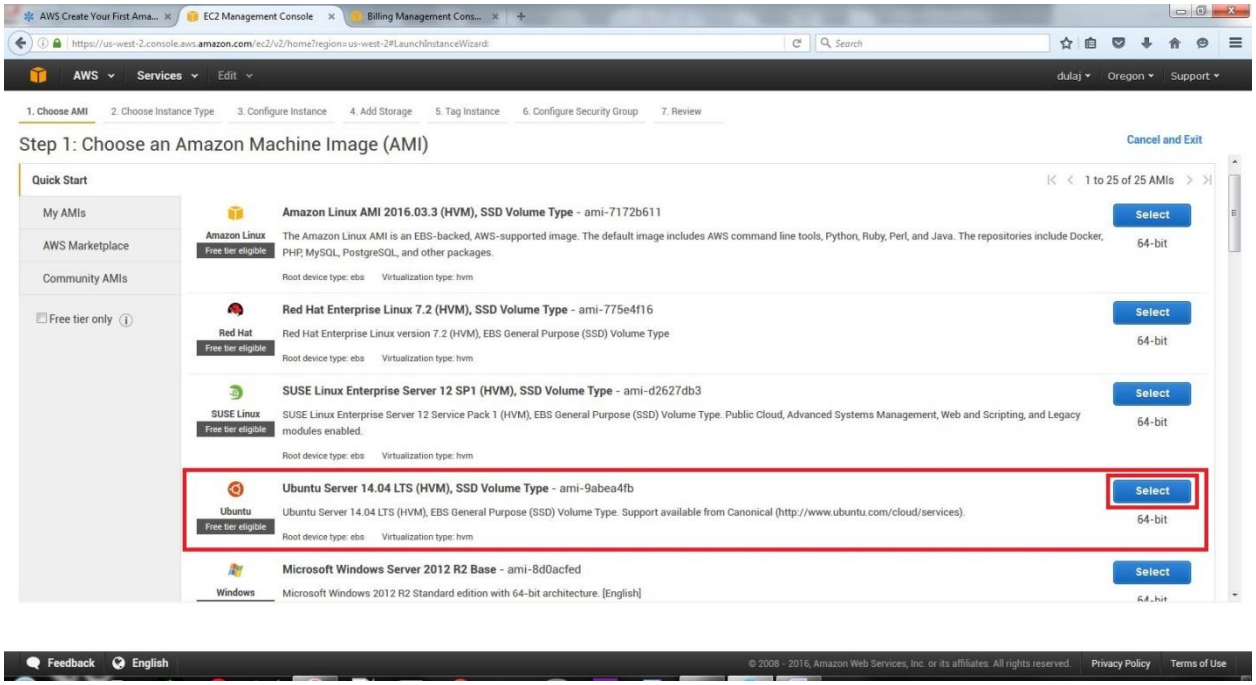
To create an EC (2Linux) instance, click “EC2” under Compute section in services.



From the EC2 Dashboard, click “Launch Instance”.

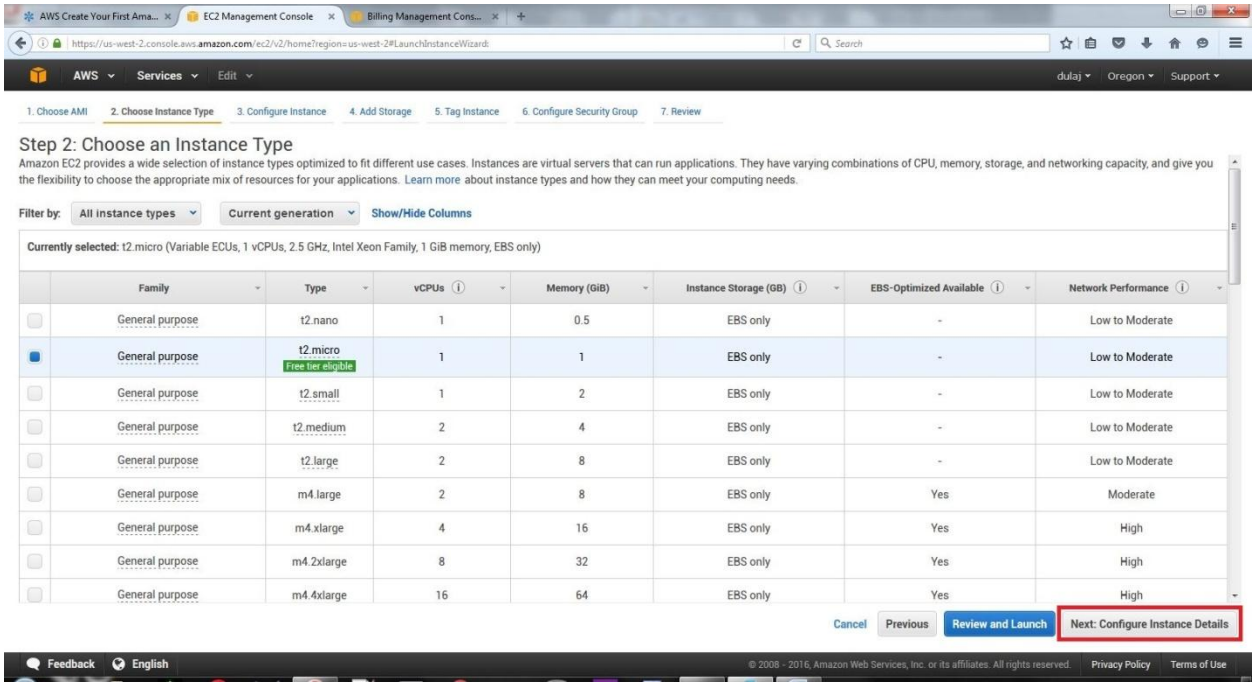


Click “Select” for “Ubuntu Server 14.04 LTS….”.



Step 2

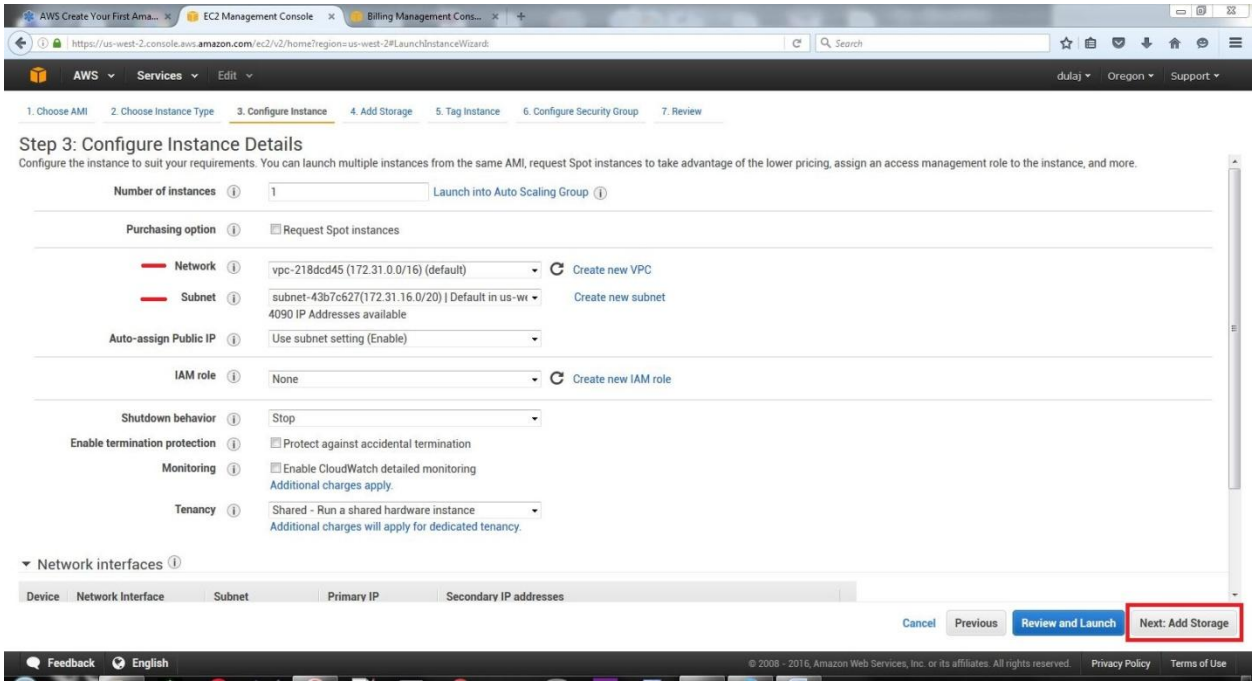
Select the appropriate type. Here I select “t2.micro” sine it is eligible for free tier.



Click “Next: Configure Instance Details”.

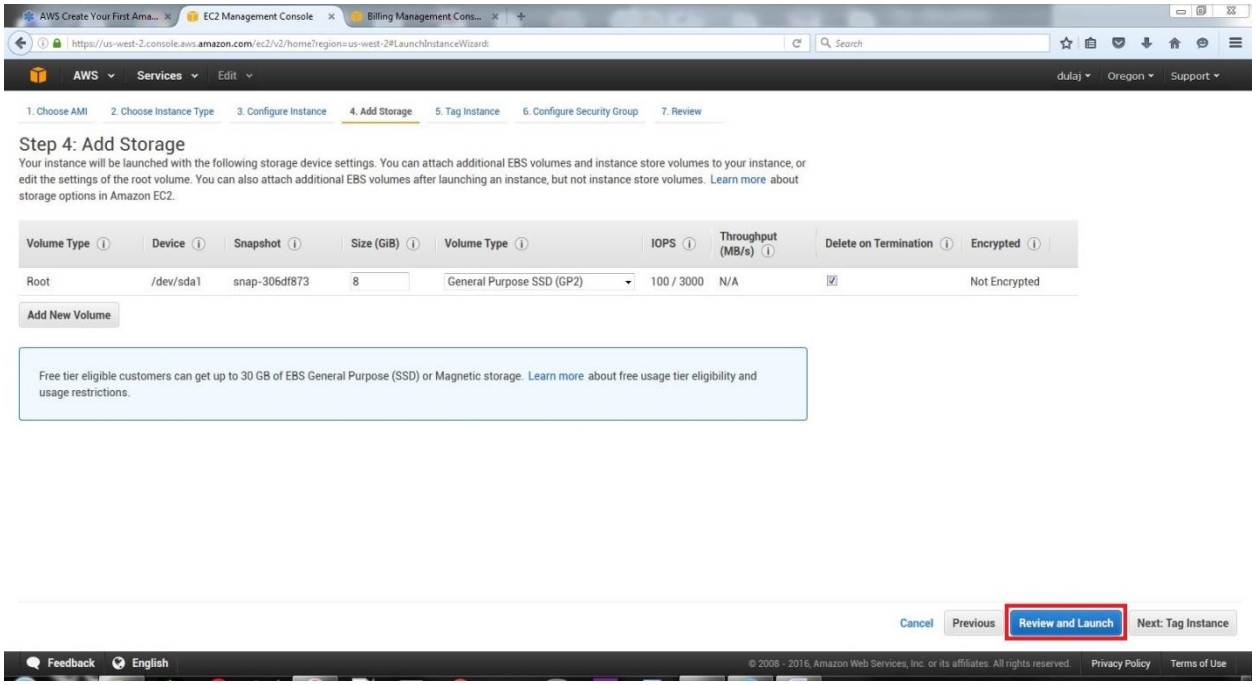
Step 3

Under “Configure Instance Details” select “Network” and “Subnet”. Click “Next: Add Storage”.



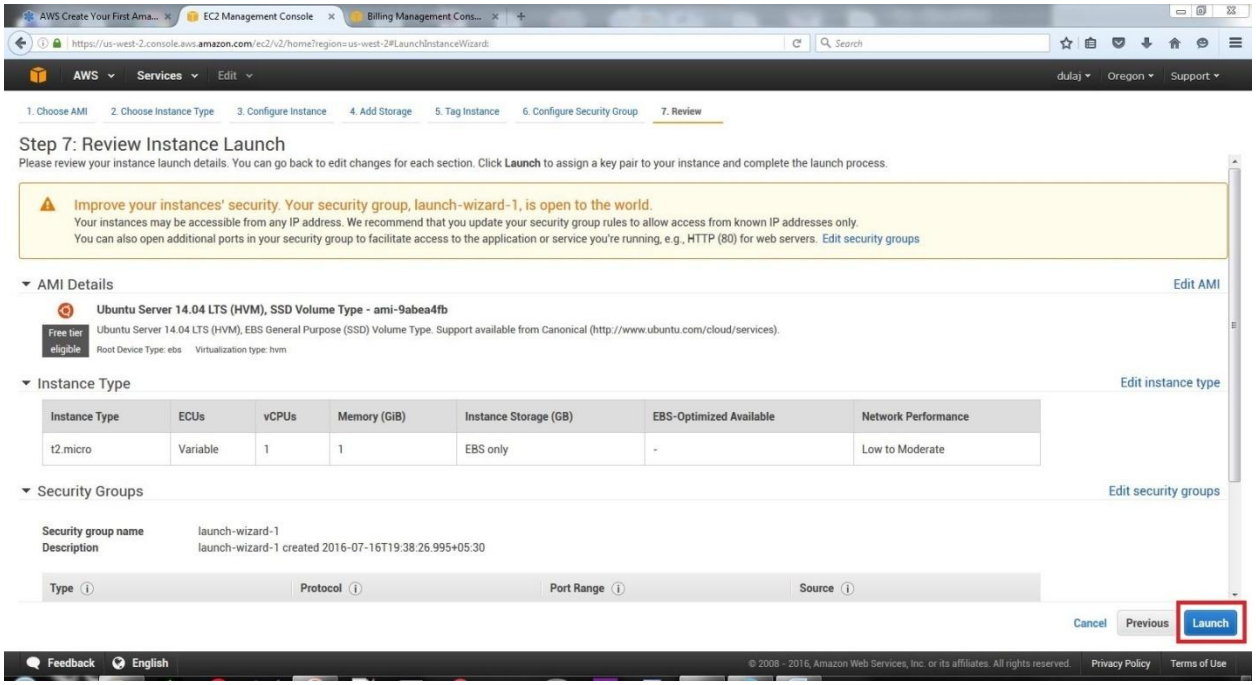
Step 4

Under “Add Storage” page, click “Review and Launch” without doing any modification.

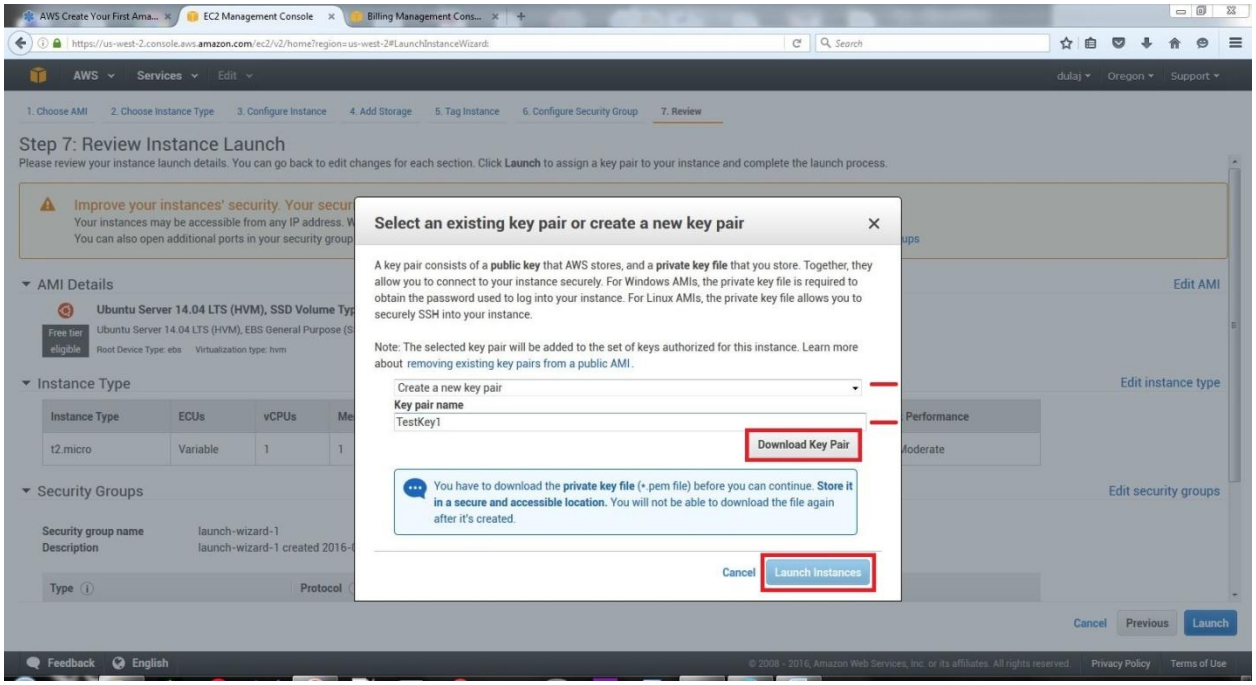


Step 5

On “Review Instance Launch” page, click “Launch”.

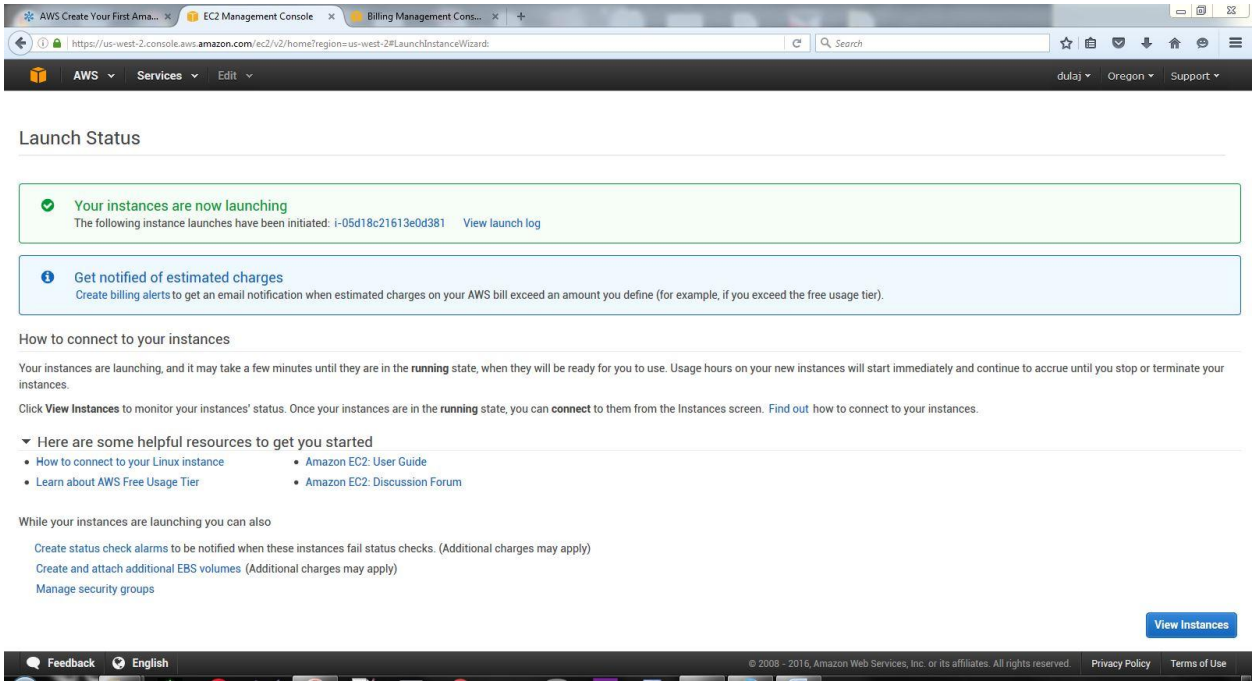


A popup page will be displayed asking for select a key pair or to create a key pair. Select “Create a new key pair” and enter a key name. Then click “Download Key Pair”.

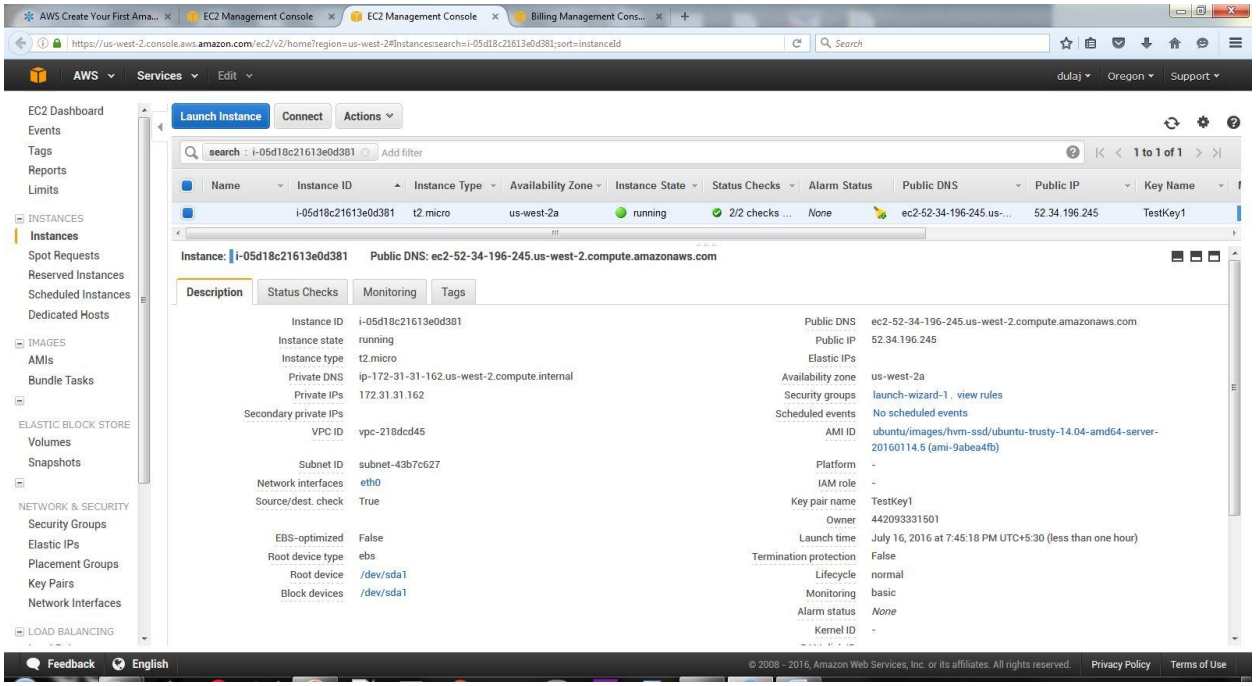


Now click “Launch Instances”.

At the resulting page, we are notified that the instances are launching.



On the “Instances” tab, we can see the instances we created.



Step 6

Now we have to convert the PEM we downloaded to a PPK key. To convert that, we have to download PuTTYgen executable. The .exe can be downloaded from the following URL.

http://the.earth.li/~sgtatham/putty/latest/x86/puttygen.exe

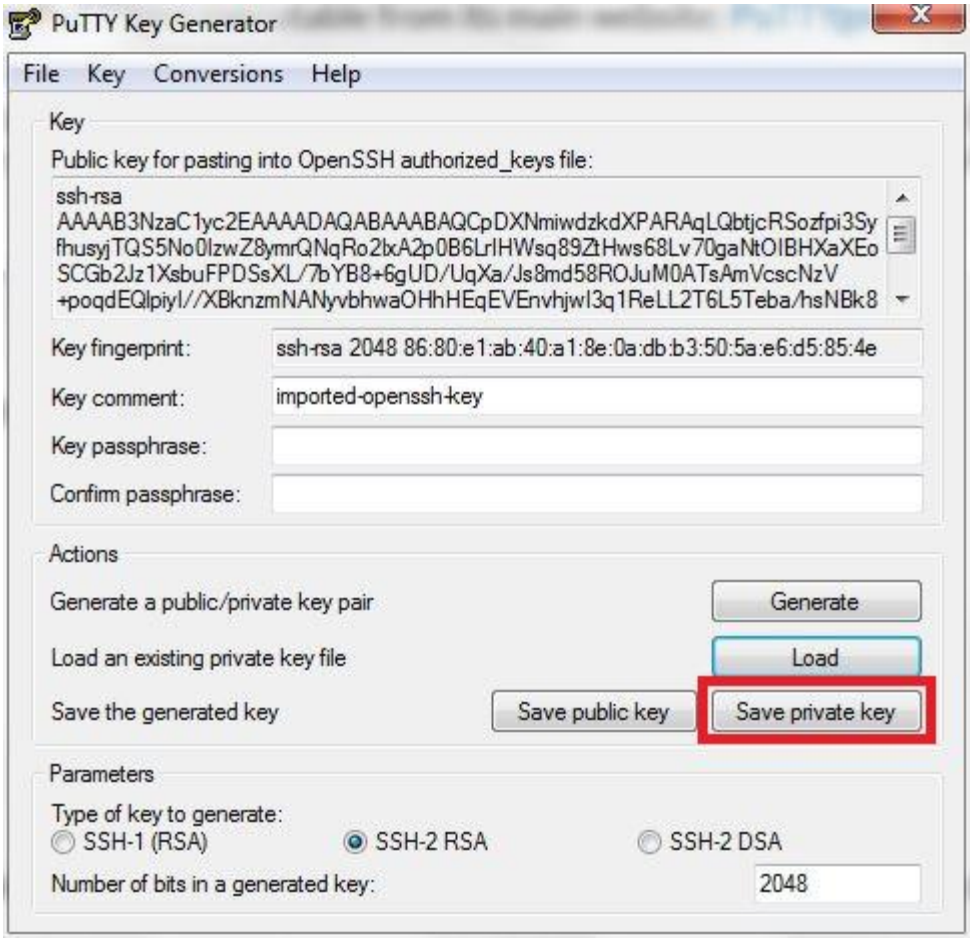
Step 7

Run the downloaded exe.

Click “Load” to open an existing private key. Load the key file which we downloaded earlier.

The following message box will be appeared.

When we click “OK”, PuTTYgen displays a dialog box with information about the key we loaded.



Now click “Save private key”. Do not select a passphrase.

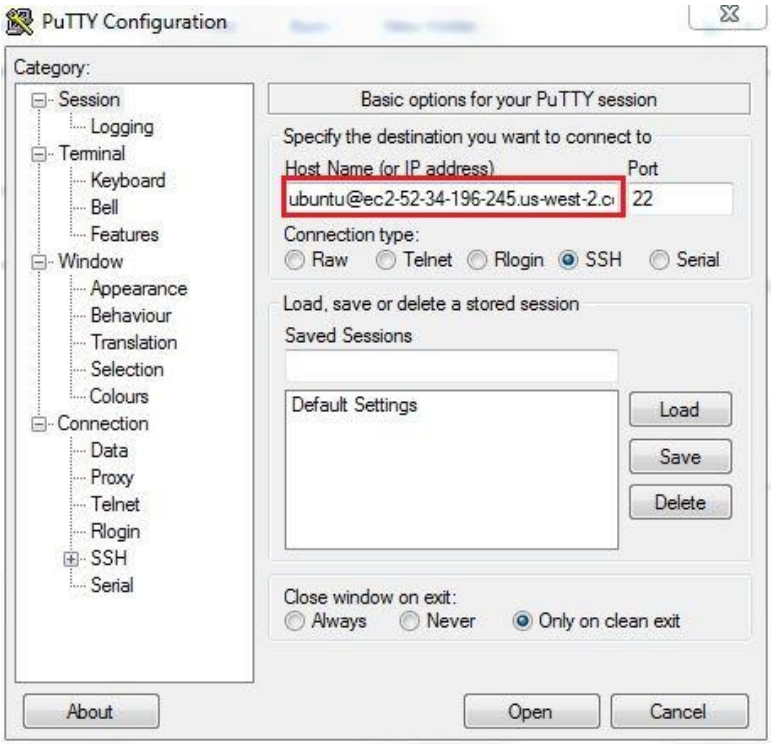
Now we are ready to use PuTTY for connecting to the instance we created.

Step 8

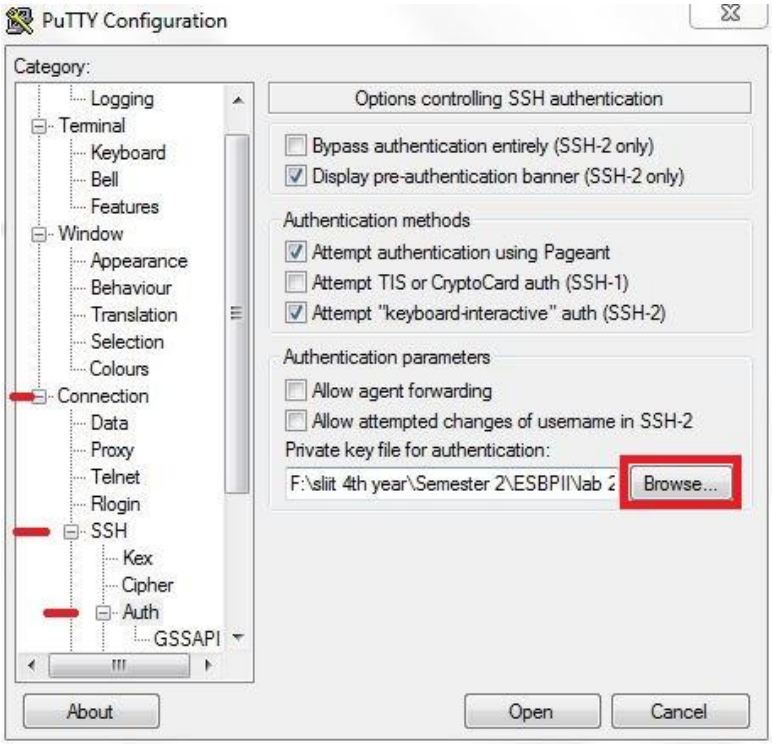
To download PuTTy, go to the URL and download putty.exe

http://www.chiark.greenend.org.uk/~sgtatham/putty/download.html

Now open the putty.exe and enter the public DNS of the created EC2 instance as the “Host Name”. Make sure to prefix the DNS address with “ubuntu@” (as the username as in my case).

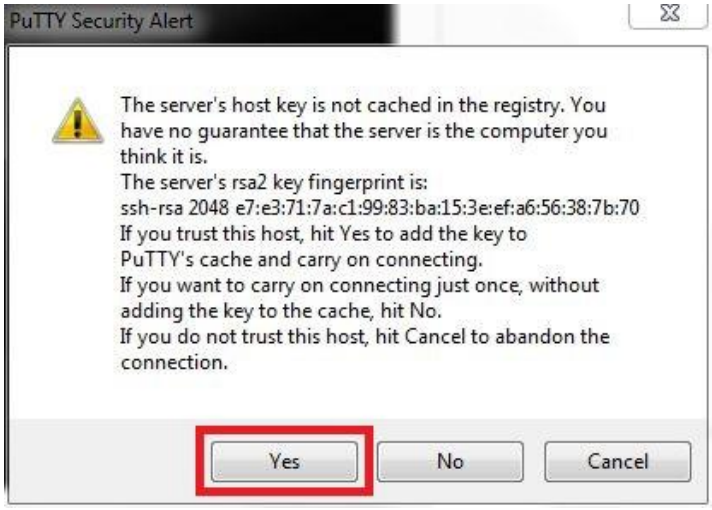


Then under Connection-> SSH-> Auth, select the converted Key for the “Private Key file for authentication”.



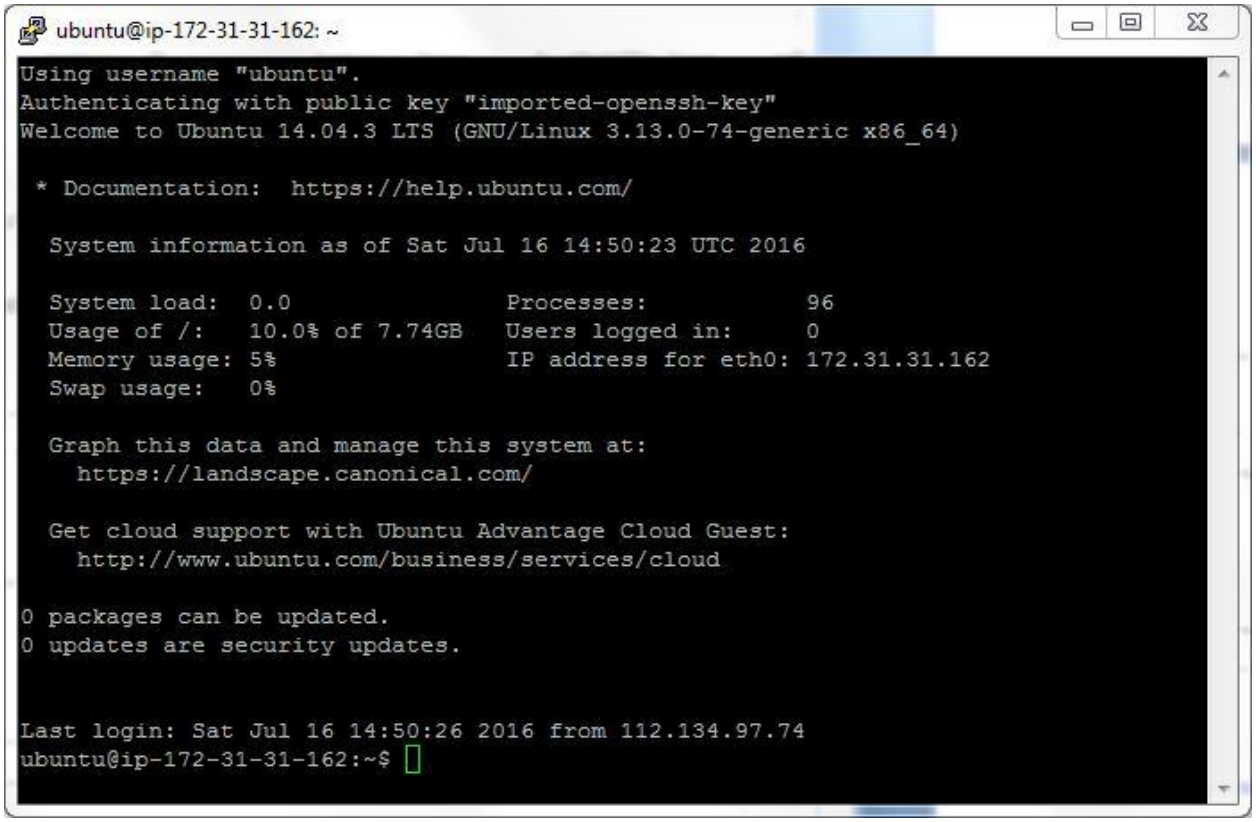
Click “Open”.

A dialog box will be showed asking whether to cache the key.



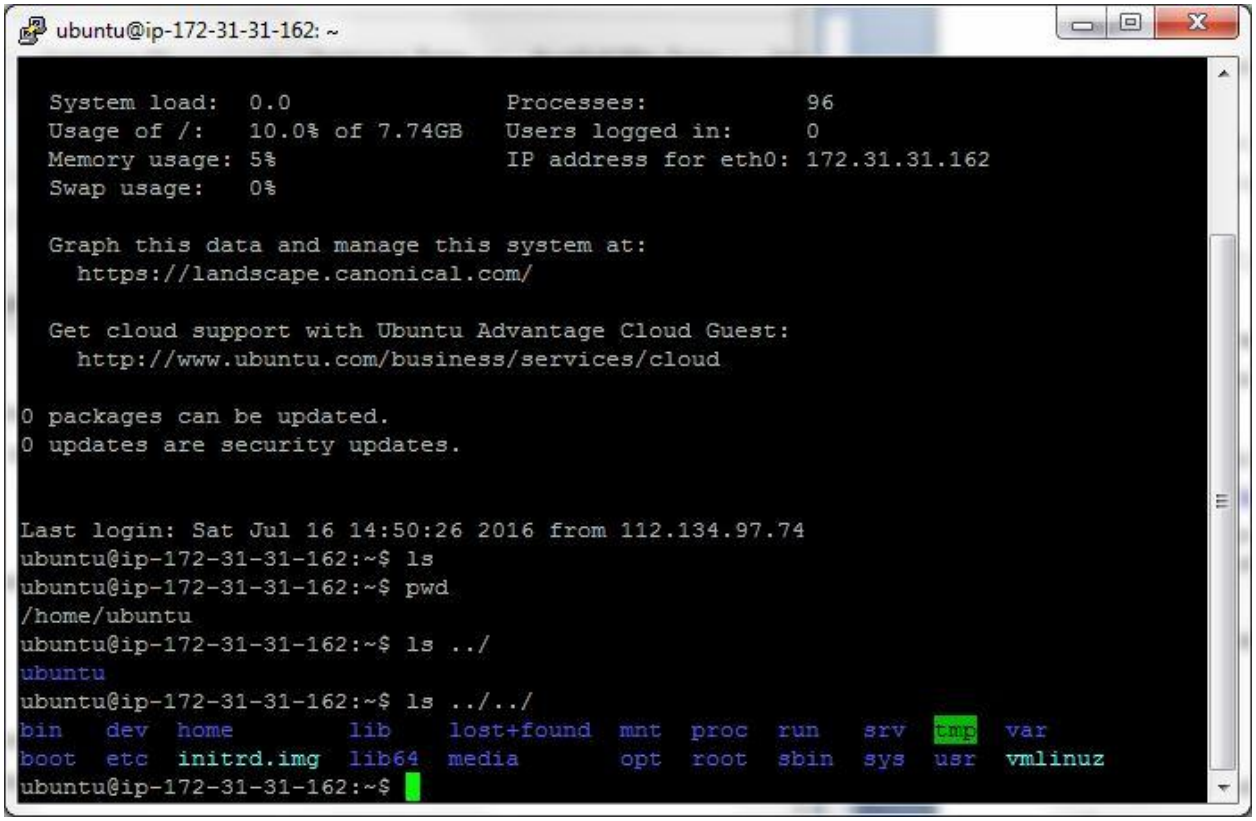
Click “Yes”.

After the successful authentication following can be seen.



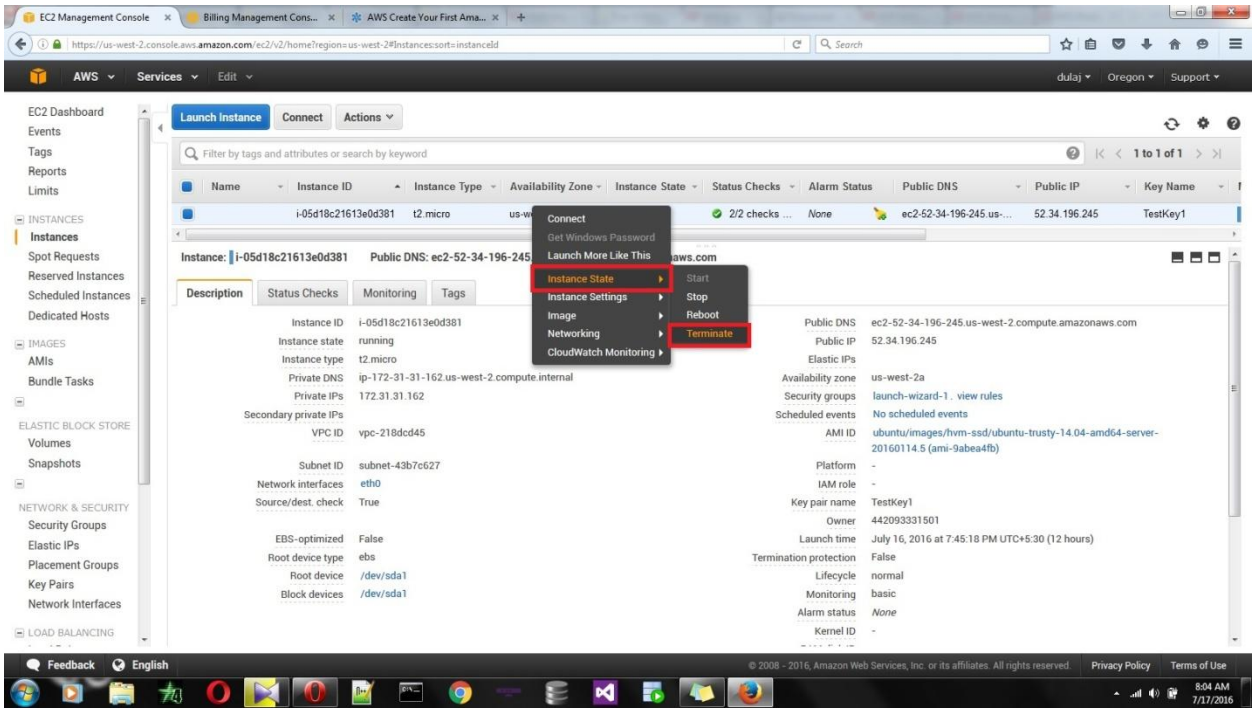
Step 9

By issuing few Linux commands we can verify the server is working properly.

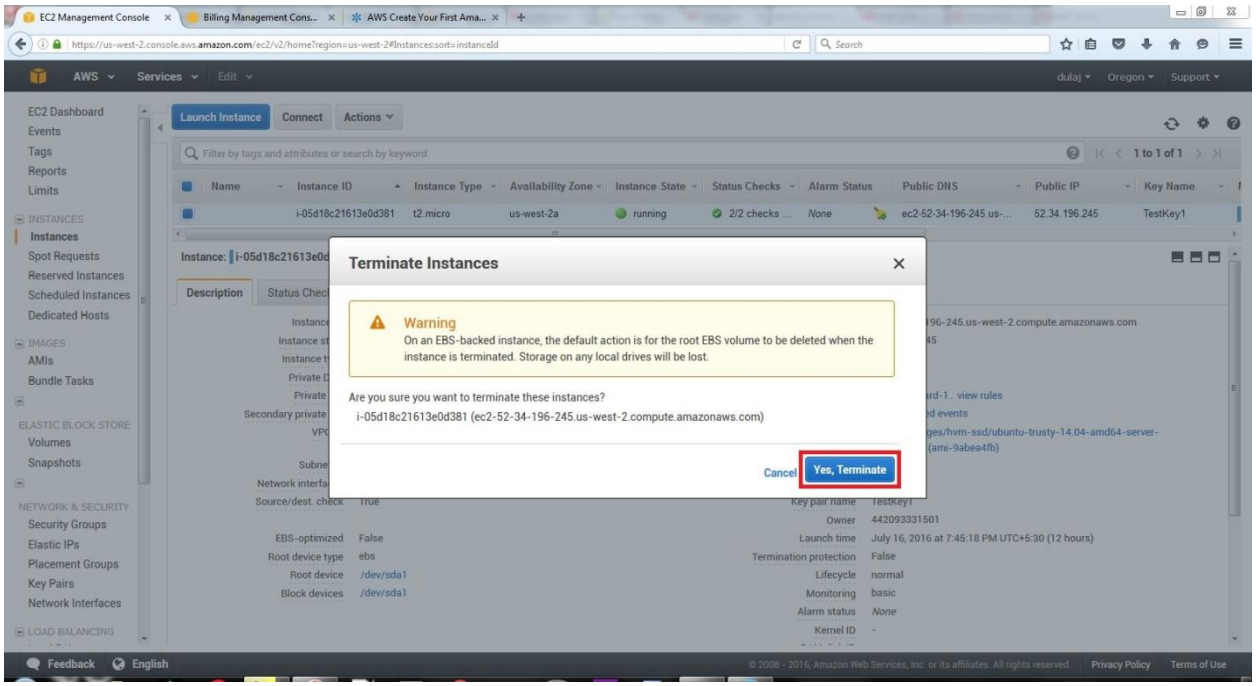


Step 10

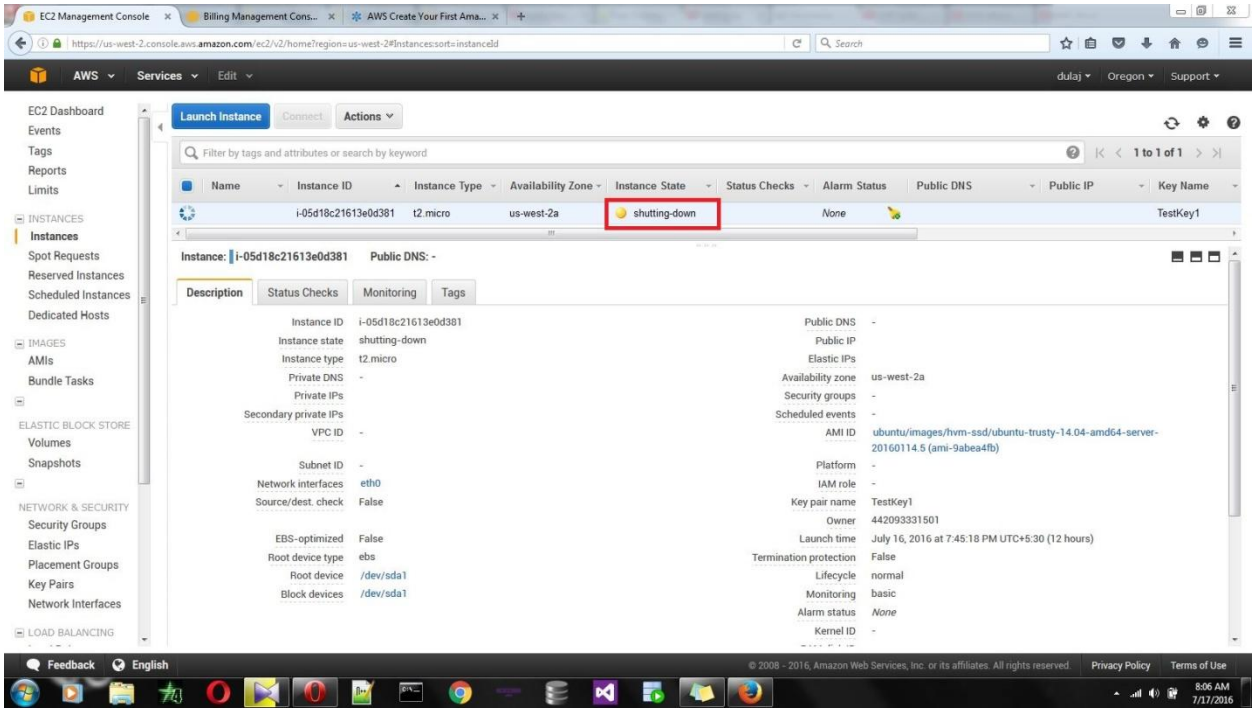
To terminate/remove the instance right click on the “Actions” or right click on the instance and go to “Instance State”. Then click “Terminate”.

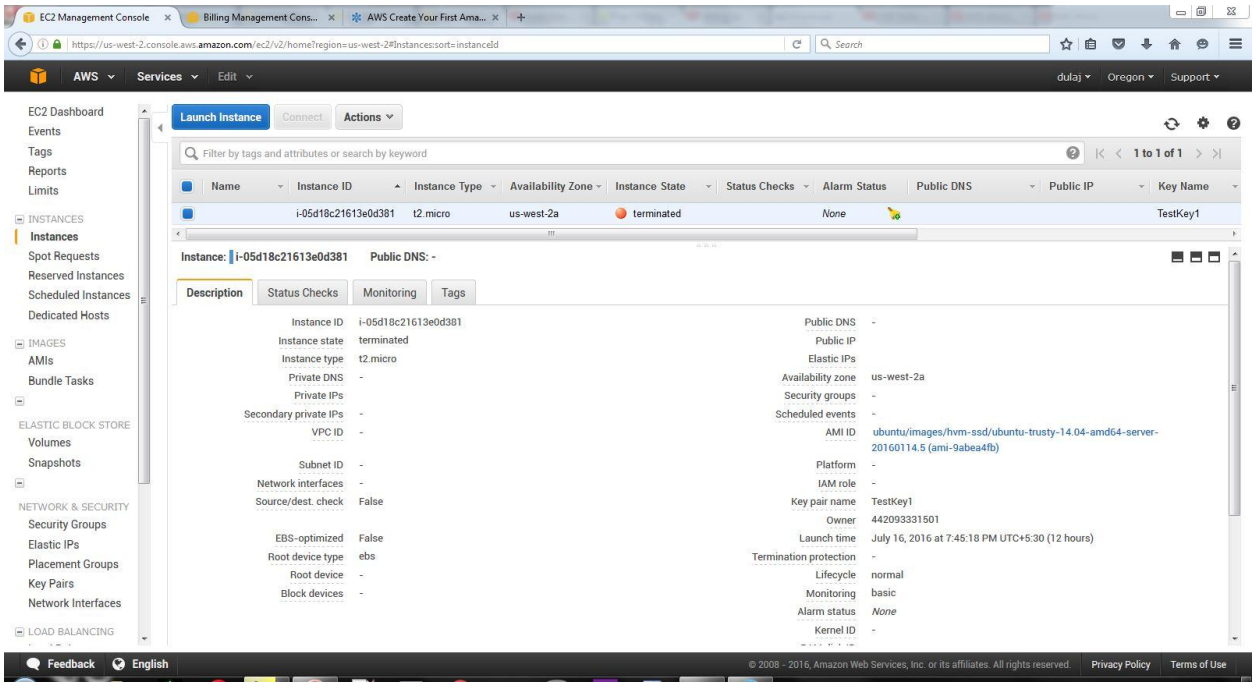


A warning will be displayed whether confirming that we need to terminate the server instance. Click “Yes, Terminate”.



After that we can observe the server is being shut down from the “Instance State” column. It will take a couple of minutes to the server instance to shut down.





**** End of assignment 2****