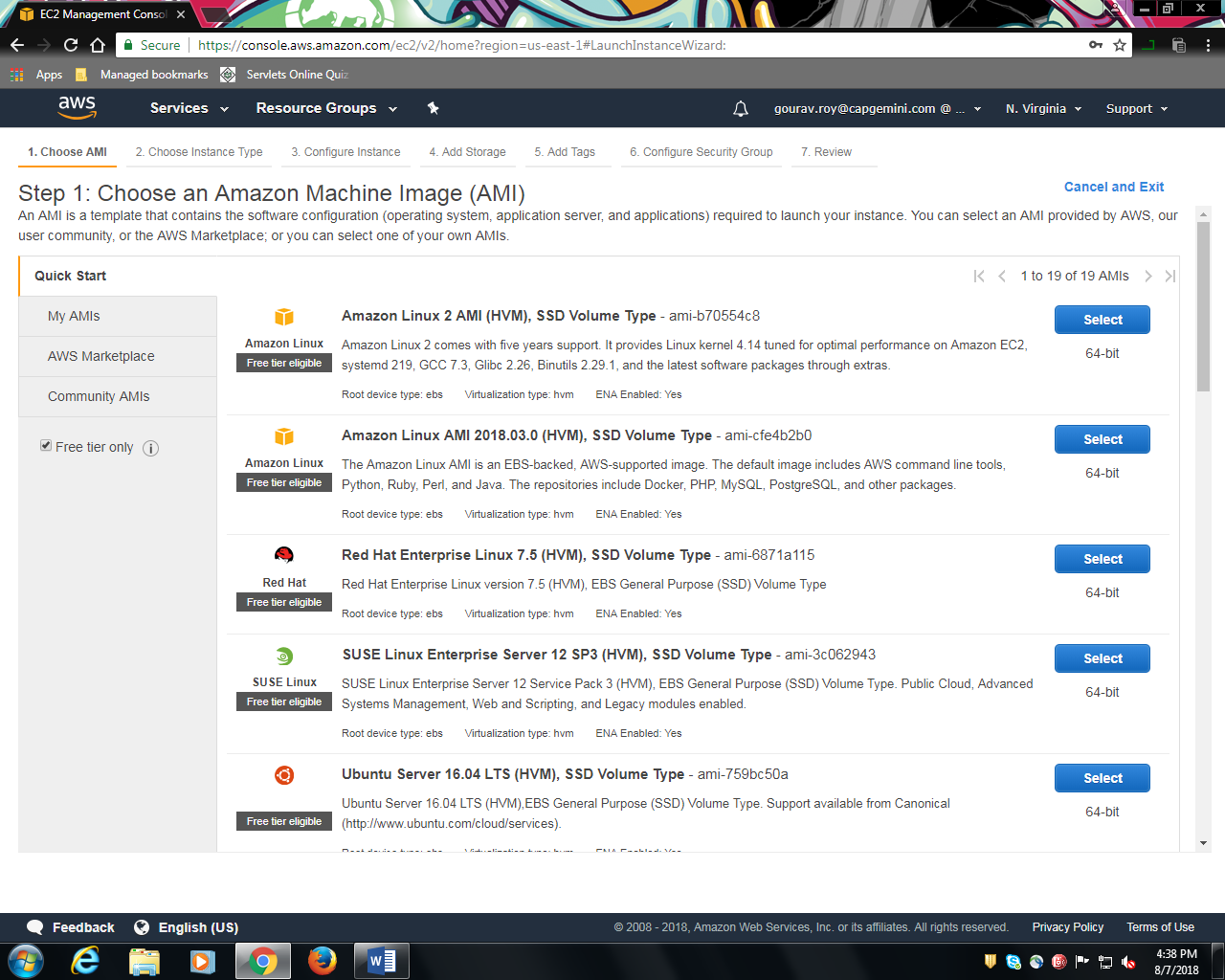


Step 1. Login into the AWS account

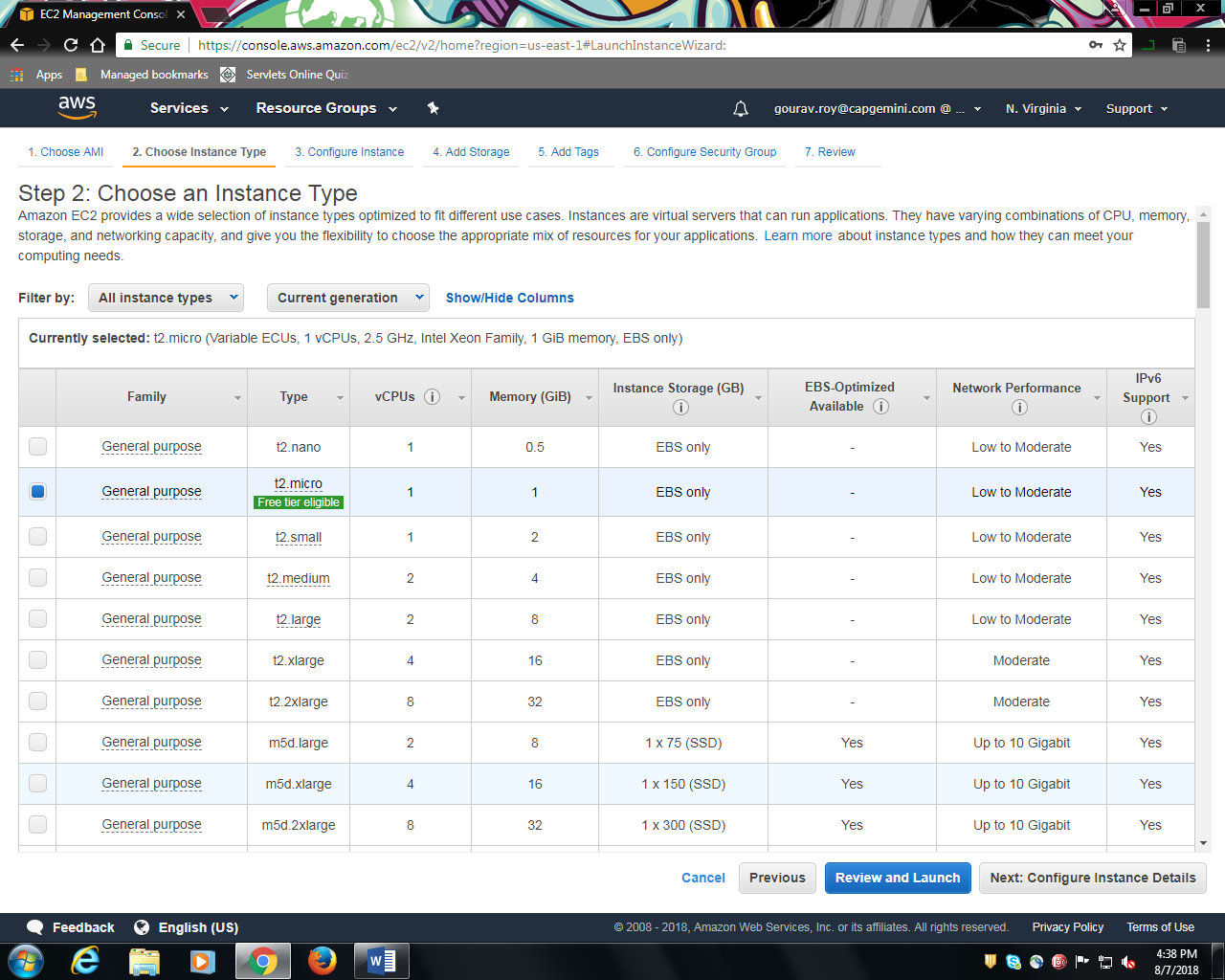
Step 2. Click on Services > Select EC2

Step 3. Click on Launch Instance



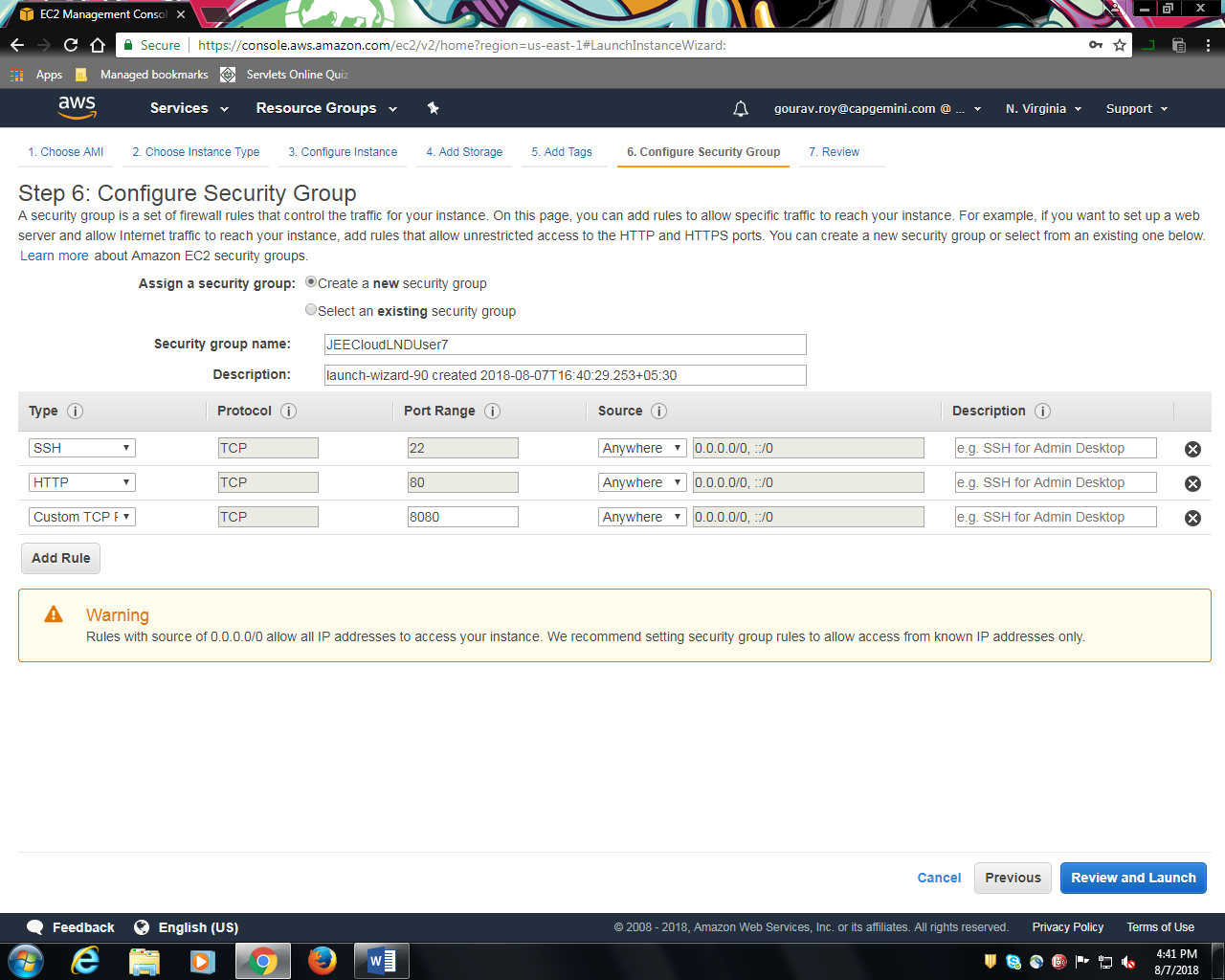
Step 4: Enable “Free tier only” option.

Step 5: Click on Select > Amazon Linux AMI 2018



Step 6: Select General Purpose “Free tier eligible”

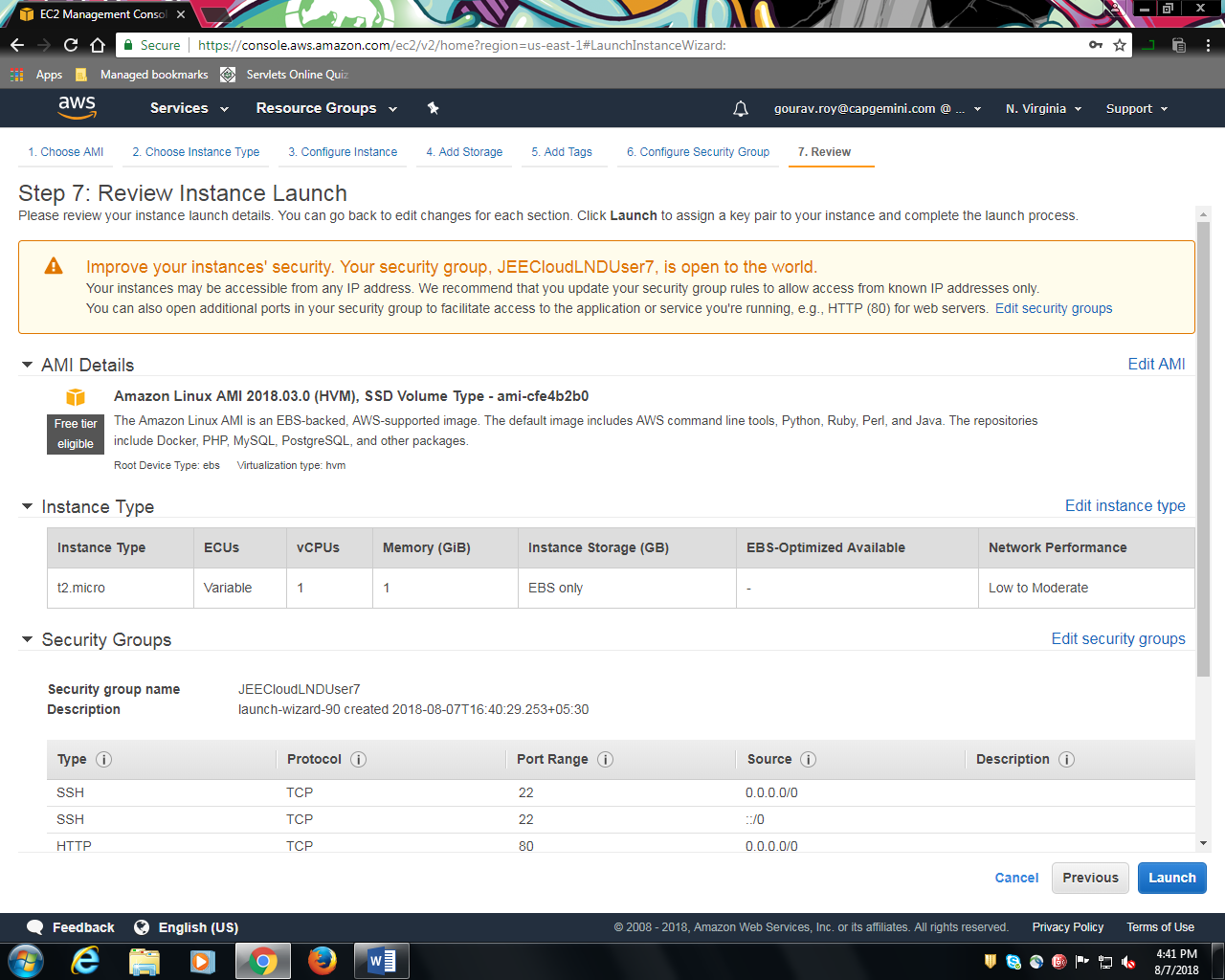
Step 7: Click on “Next: Configure Instance Details”



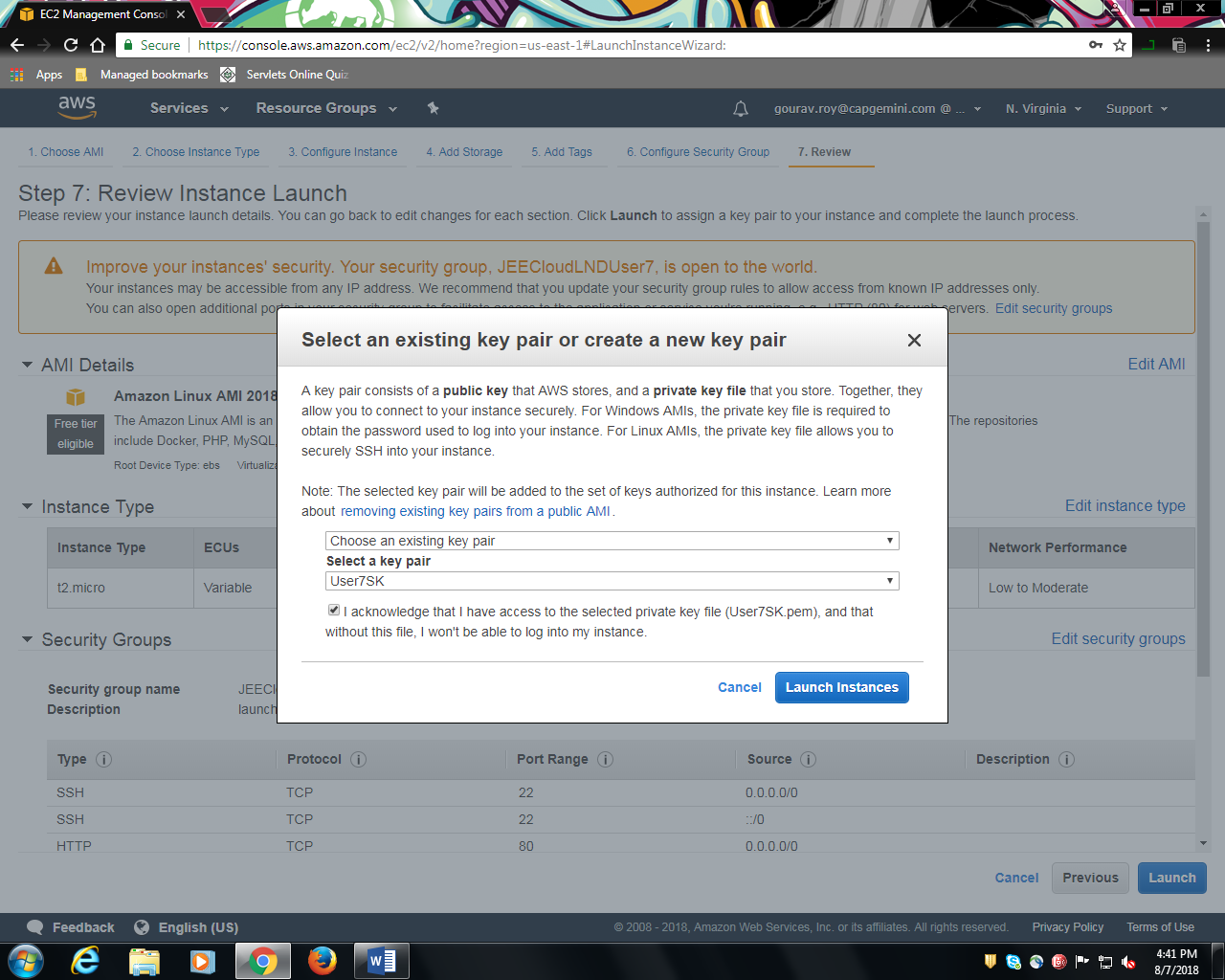
Step 8: Click on “Add Rule” and input these details

1. Type=HTTP, Source=Anywhere
2. Type=Custom TCP, Source=Anywhere

Step 9: Click on Review and Launch



Step 10: Click on Launch



Step 11: When this dialogue box appears we have two options:

1. For first time instance Creation: Select “Create a new key Pair” (This key can be used again

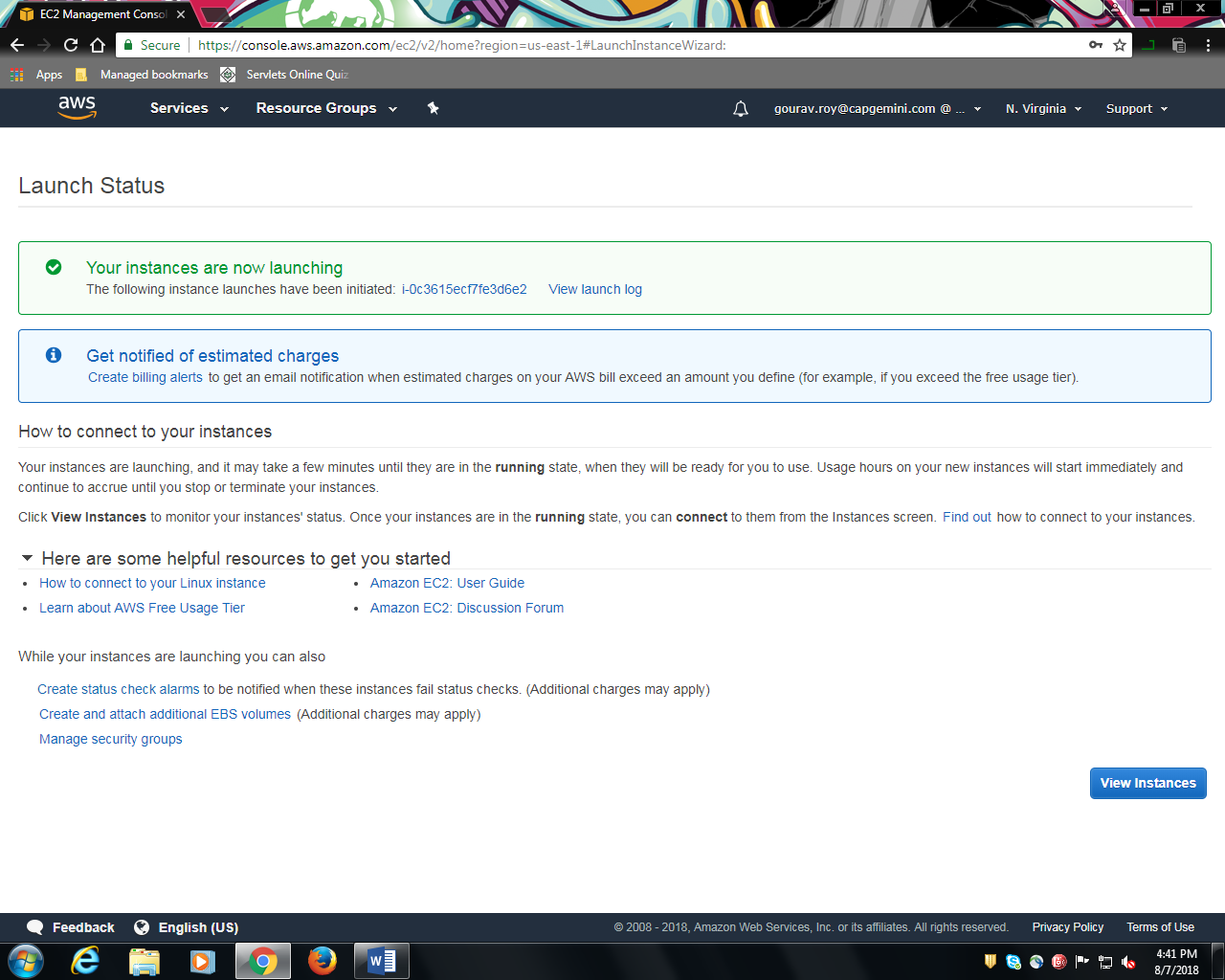
Later )

1. Others: Select “Choose an existing pair”

Step 12: In the Select key pair again we will have two options depending upon the Step 11.

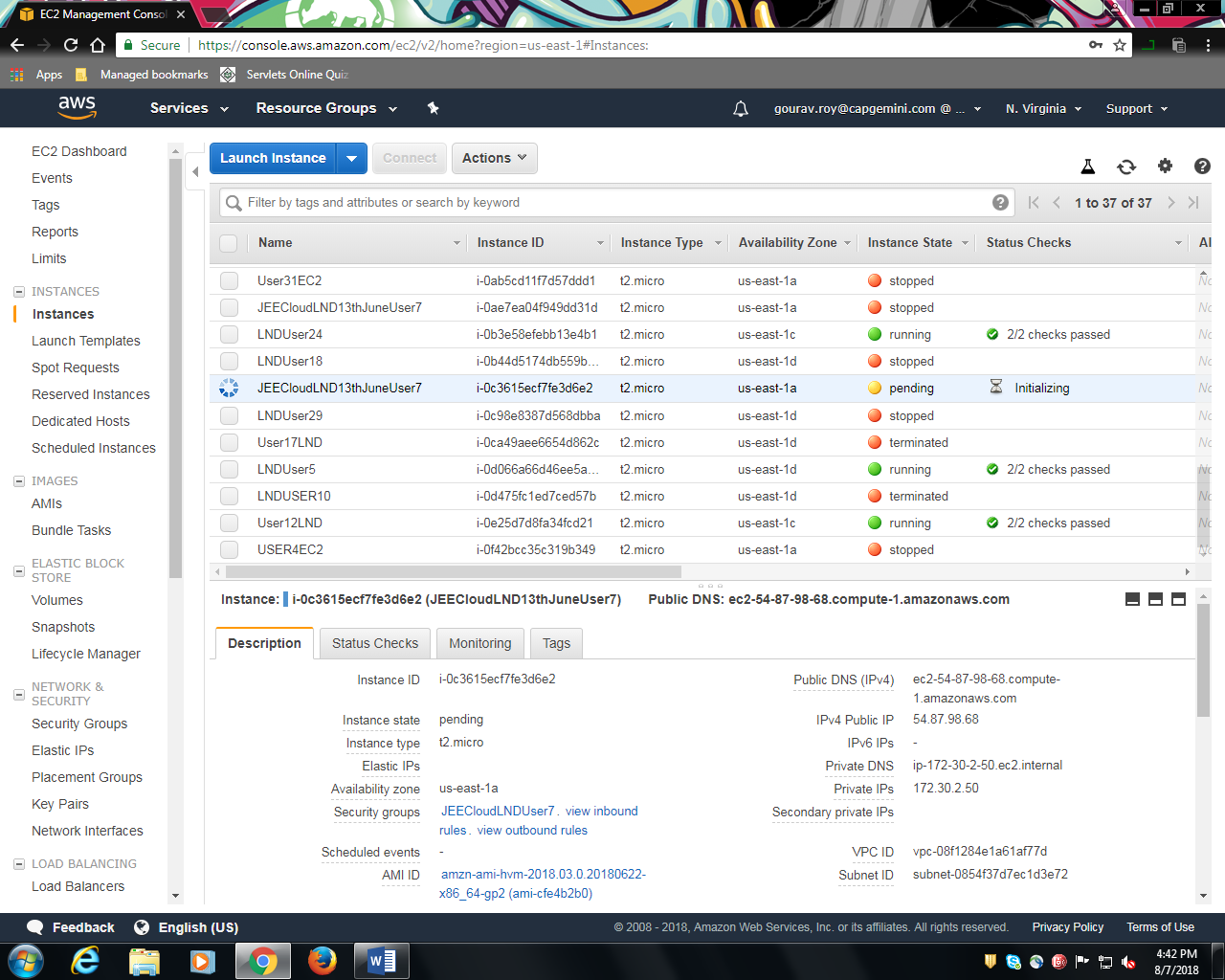
1. Give the name in the specified format ( For new users)
2. Others: Click on the drop down and select yours previously created key.

Step 13: Click on Launch Instance



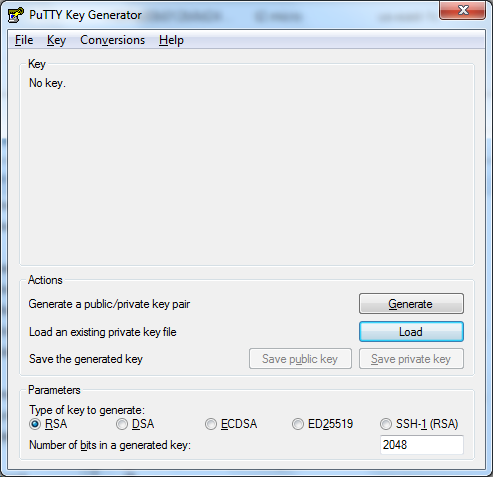
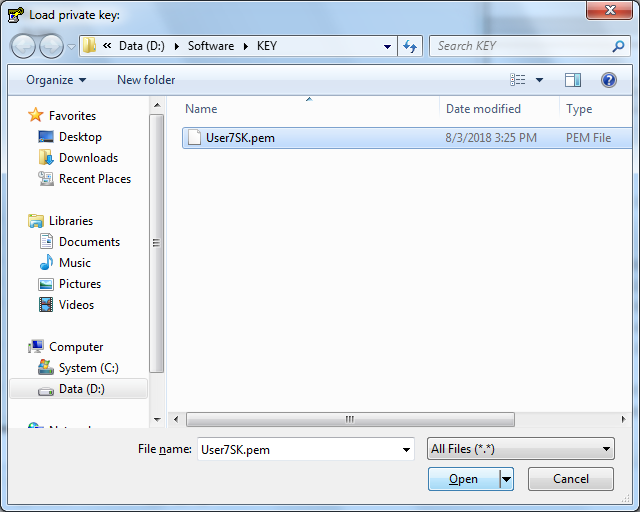
Instance Created Successfully

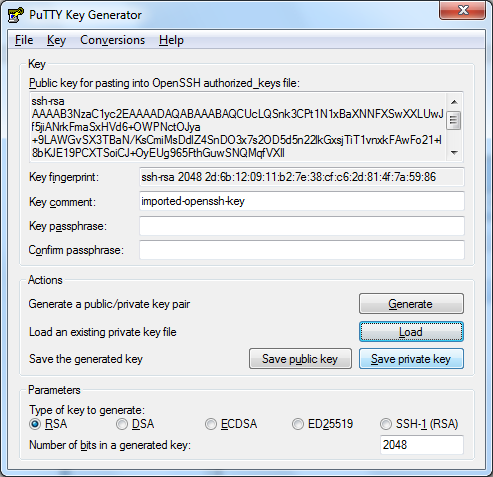
Step 14: Click on ‘View Instances”



Step 15: Click on your created instance.

Details of the Instance will be displayed in the box below.



Step 16: Download the 64bit of putty.exe and puttygen.exe

Step 17: Right click on putty.exe file, puttygen.exe and save it to a drive

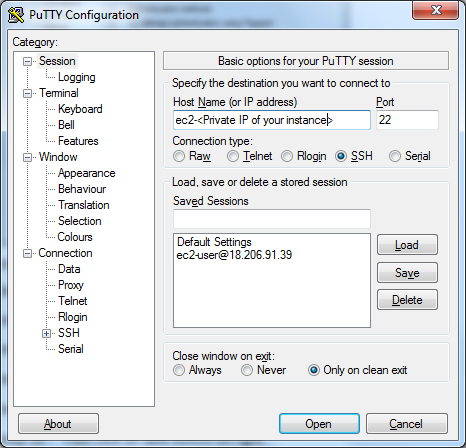
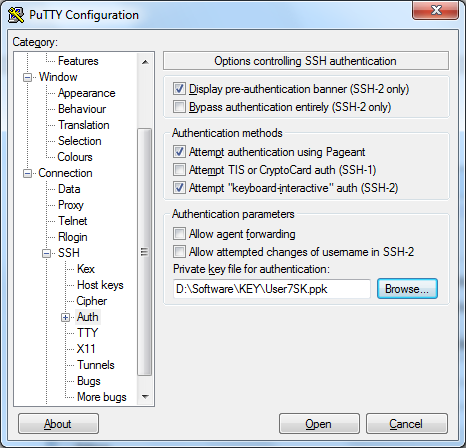
Step 18: Now run your puttygen and then click on load button to load the .pem file

Step 19: Then it will be successfully imported

Step 20: Now click on ok and click on save private key button.

Step 21: Click on yes button

Step 22: Then choose the .pem file and change the ext to .ppk . Click on save button.

Step 22: Now Open Putty.exe file.

Step 23: Type the host name: ec2-user@<<13.127.254.216>>.

Step 24: Expand SSH section on left pane and select the “Auth “ submenu.

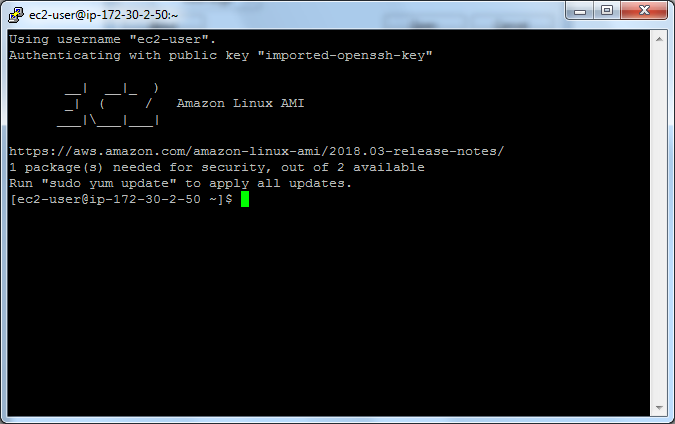
Step 25: And browse the private key .ppk

Step 26: Now click on session on left pane

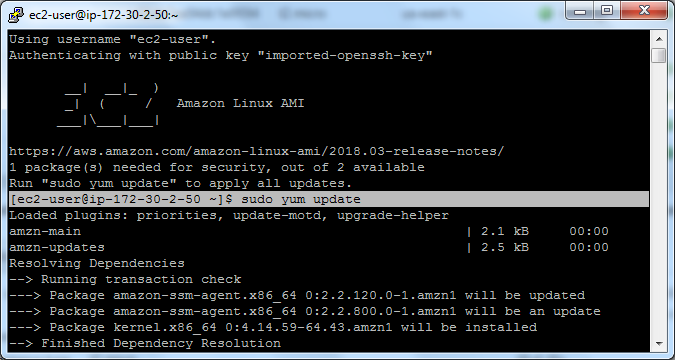
Step 27: copy the host name to saved sessions .

Step 28 : Then click on save button on right

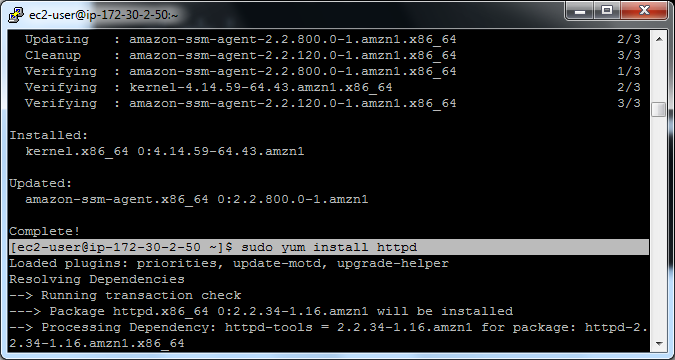
Step 29: Now again select your session in saved session text area , click on Load and then click on open button



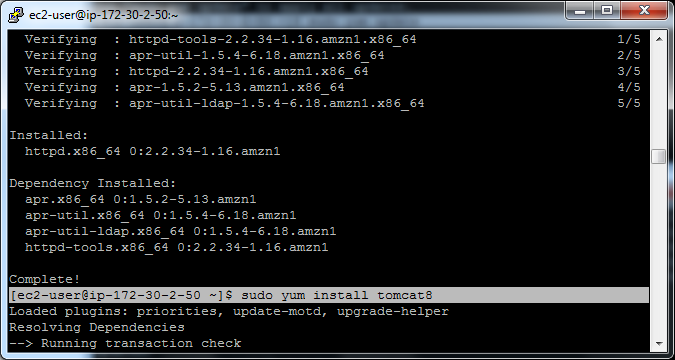
This Console will open on successful connection :



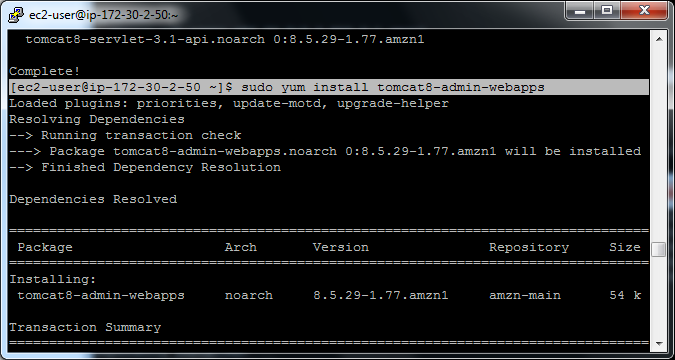
Step 30. Type “sudo yum update



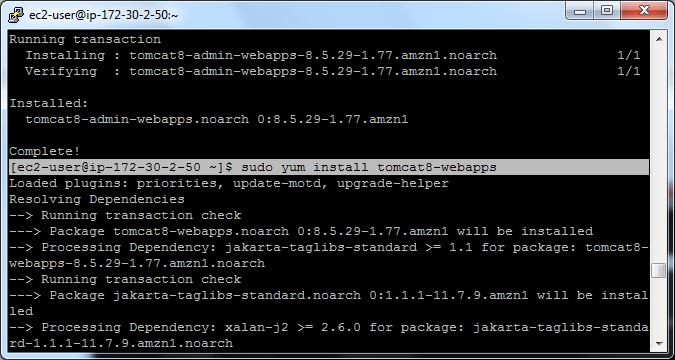
Step 31. Type “sudo yum install httpd”



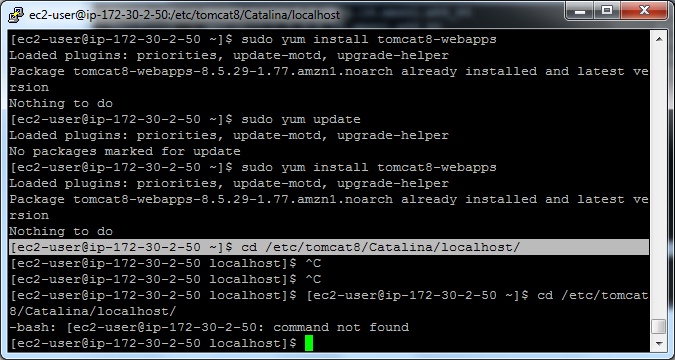
Step 32. Type “sudo yum install tomcat8”



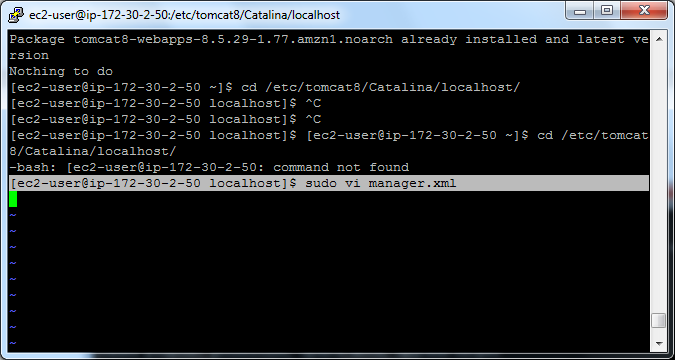
Step 33. Type “sudo yum install tomcat8-admin-webapps”



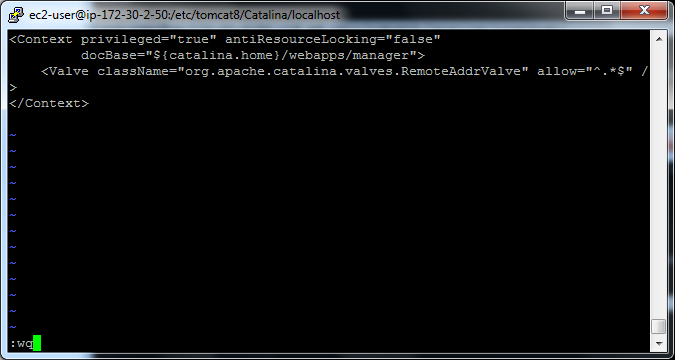
Step 34. Type “sudo yum install tomcat8-webapps”



Step 35. Type “cd /etc/tomcat8/Catalina/loaclhost/



Step 36. Create a new file “manager.xml” . Type “sudo vi manager.xml”.



Step 37: Type the below element in that file

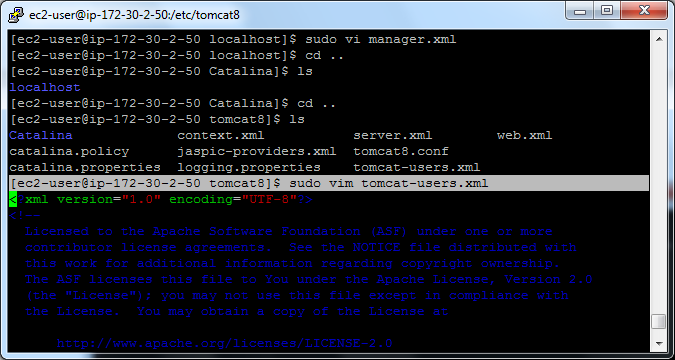
<Context privileged="true" antiResourceLocking="false"

docBase="${catalina.home}/webapps/manager">

<Valve className="org.apache.catalina.valves.RemoteAddrValve" allow="^.\*$" />

</Context>

Step 38: Press Escape key and type “ :wq!” (save and exit)



Step 39: Type command “cd ..” <<enter>>

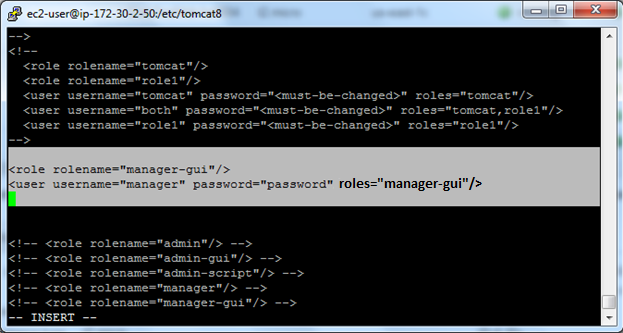
Step 40: Type command “sudo vi tomcat-users.xml” <<enter>>(edit this file)

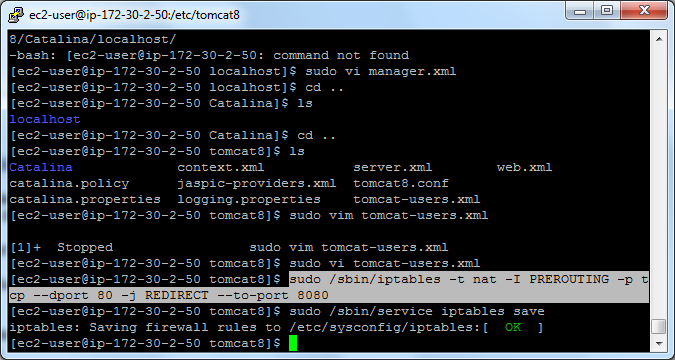
Step 50: Press “o” key from keyboard and enter few elements

<role rolename=”manager-gui”/>

<user username=”manager” password=”password” roles=”manager-gui”/>

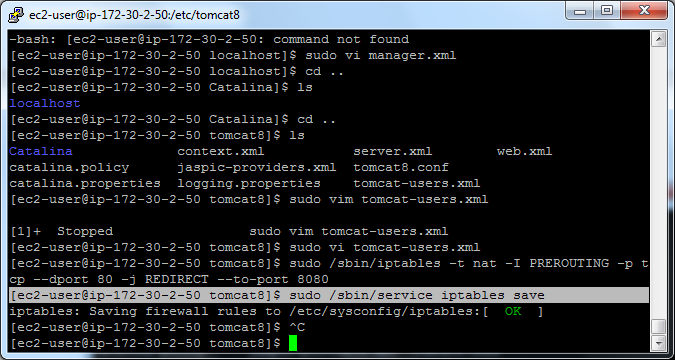
Step 51. Press Escape key and type “ :wq!” (save and exit)

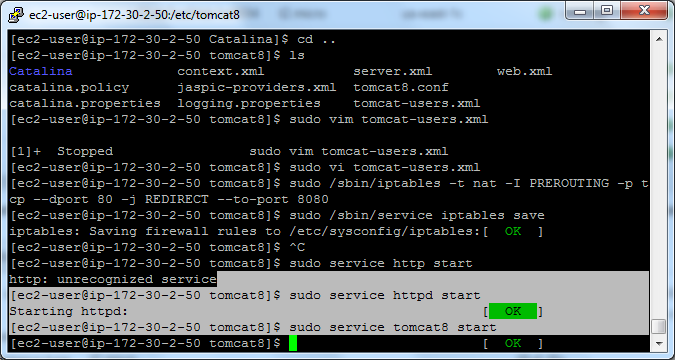




Step 52. Type “sudo /sbin/iptables -t nat -I PREROUTING -p tcp --dport 80 -j REDIRECT --to-port 8080”

Step 53. Type “sudo /sbin/service iptables save”

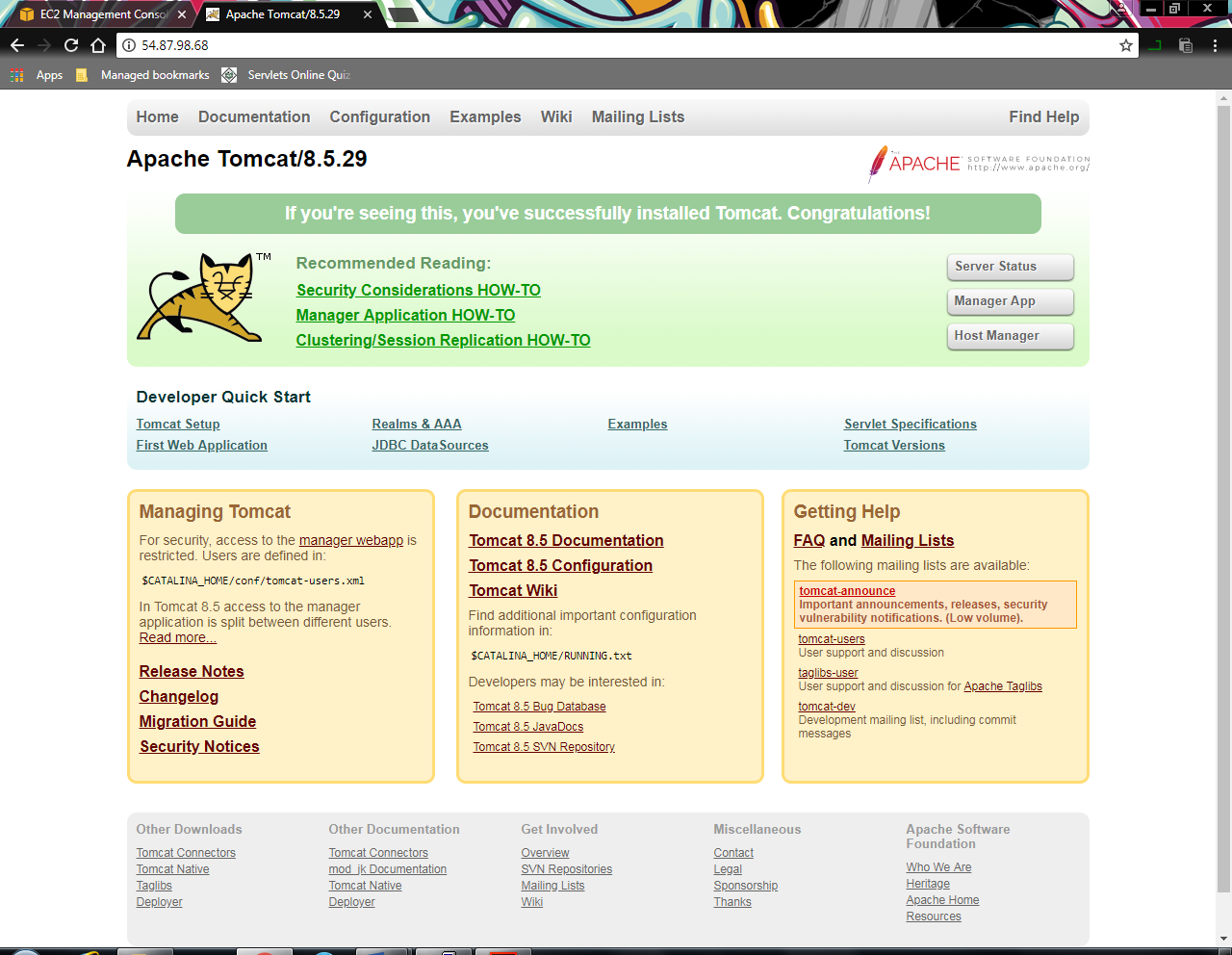




Step 54. Now we need to start he service.

Type “sudo service httpd start”

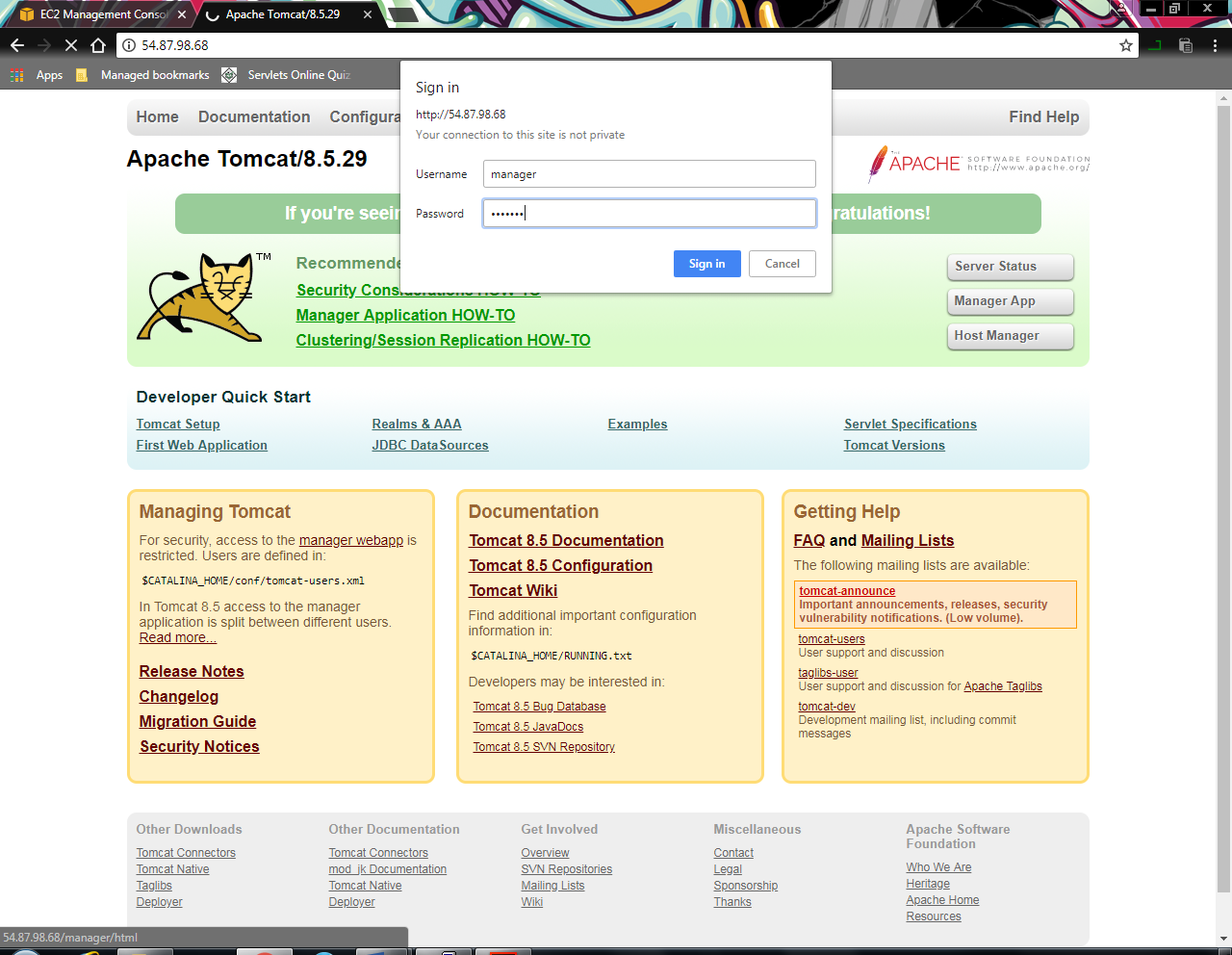
And “sudo service tomcat8 start”

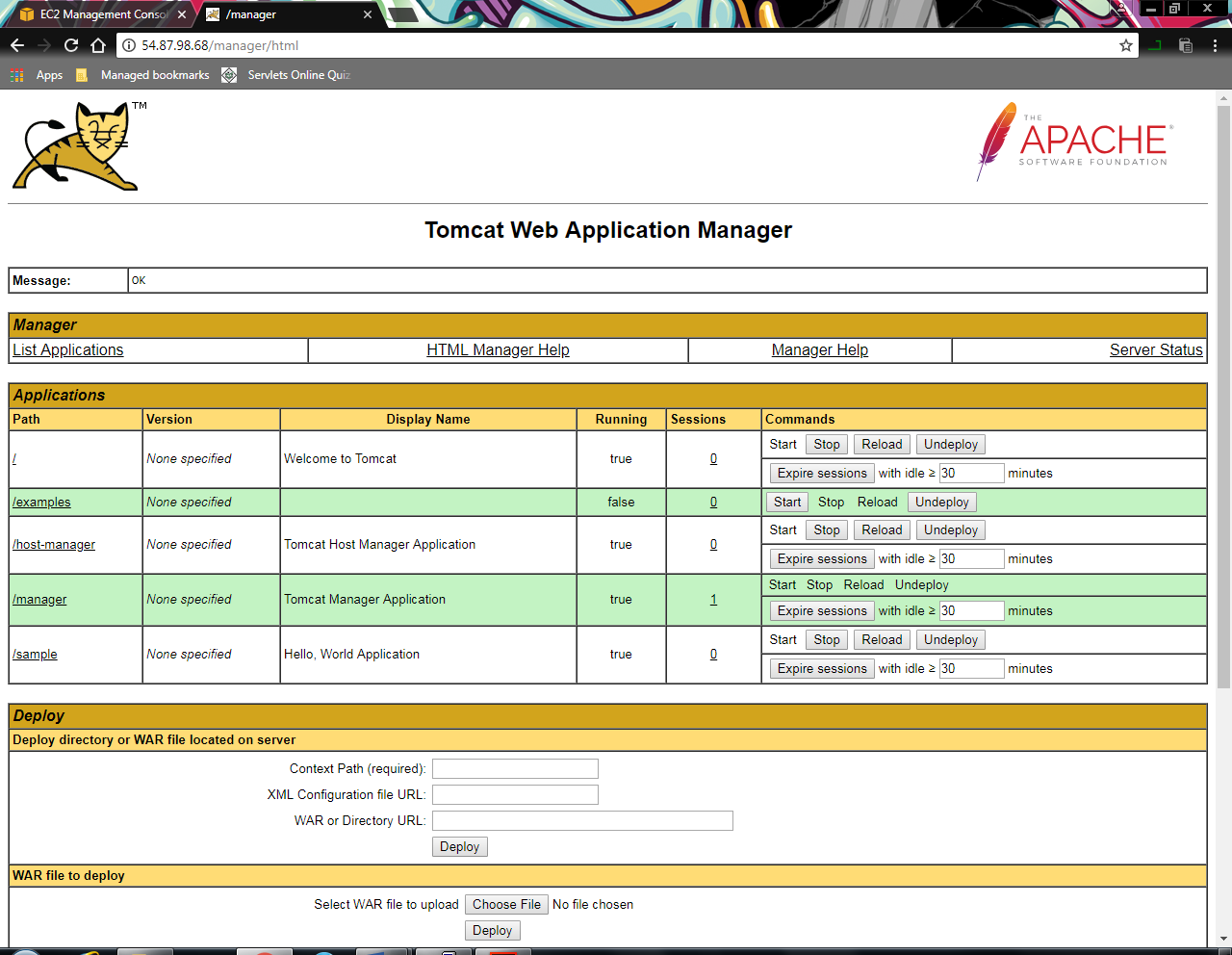


Step 55. Now go to your browser and Type

<your instance public IP> in the URL Box. Apache Tomcat page should come.

Step 56. Click on “Manager App” and put your Credentials .





Step 57. Now develop a Helloworld application in your system by using Java7 and tomcat8 .Run it and test your app.

Step 58: export war file to a location.

Step 59: scroll down the browser and click on deploy war file button.

Step 60: Now click on the application link and see the output .

