Enterprise Standards and Best Practices for IT Infrastructure

Lab Report

Lab 01 - Creating an Amazon EBS-Backed Windows AMI

Lab 02 - Creating an Amazon EBS-Backed Linux AMI

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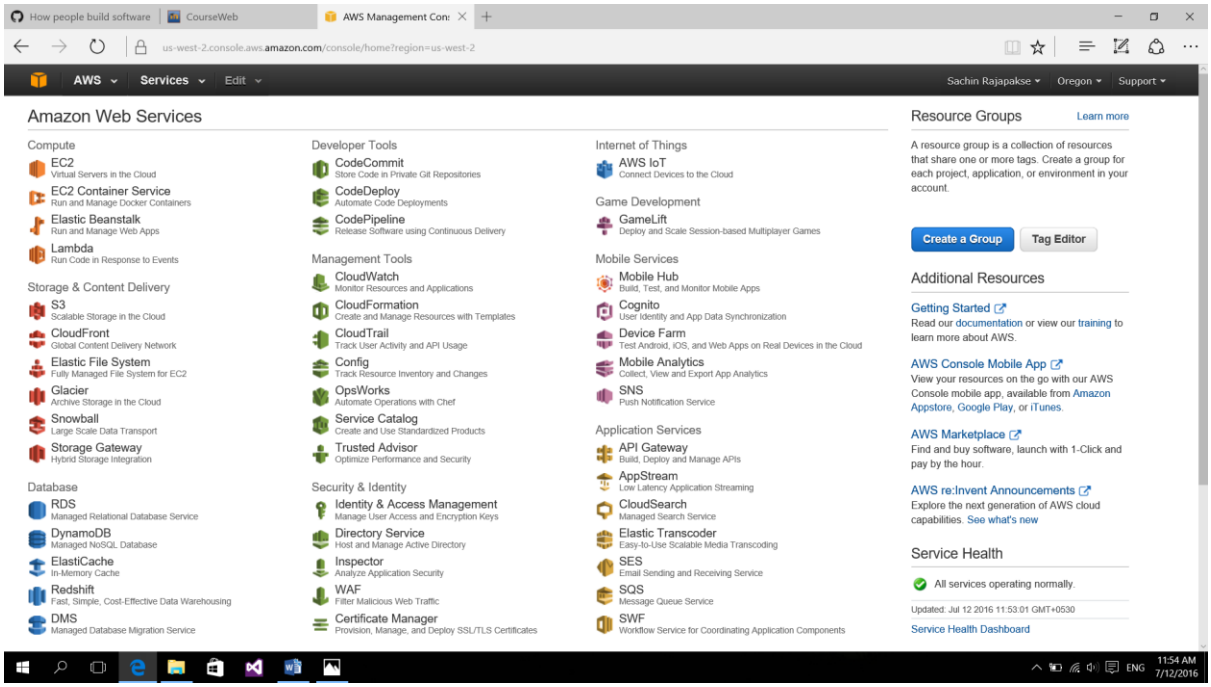
B.Sc. Special (Honors) Degree in Information Technology

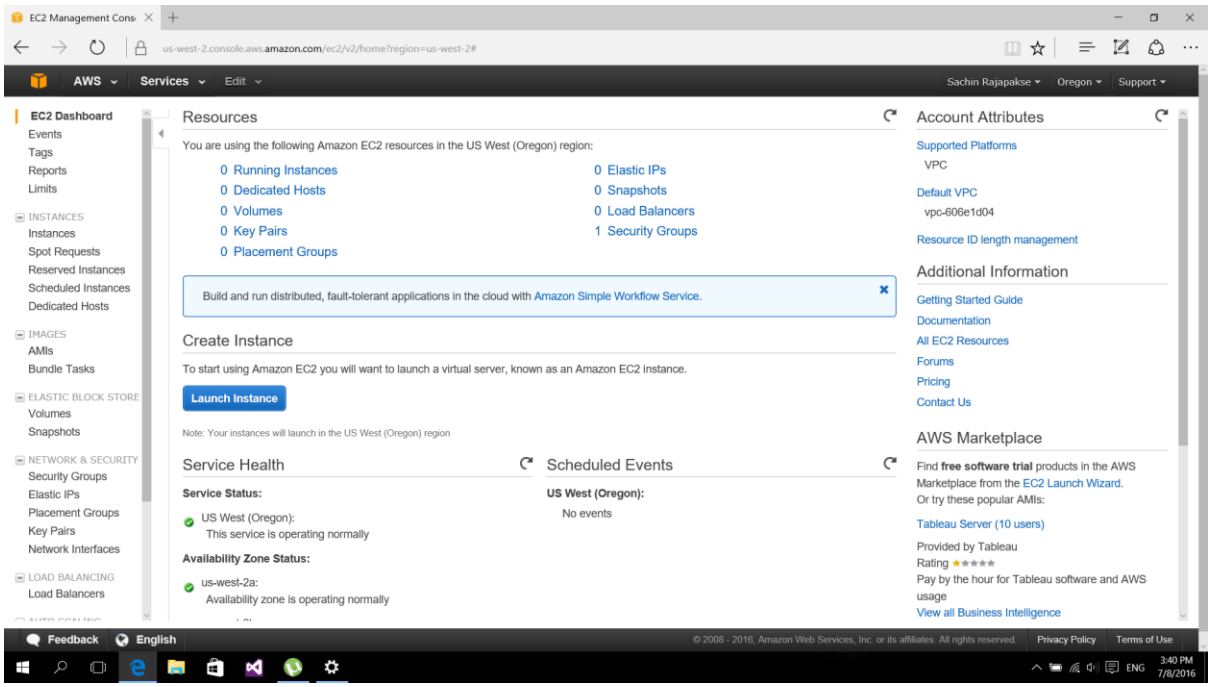
Specialized in Information Technology

01. Creating an Amazon EBS-Backed Windows AMI

Step 01: Select EC2 from Amazon Web Services. (Services -> EC2)

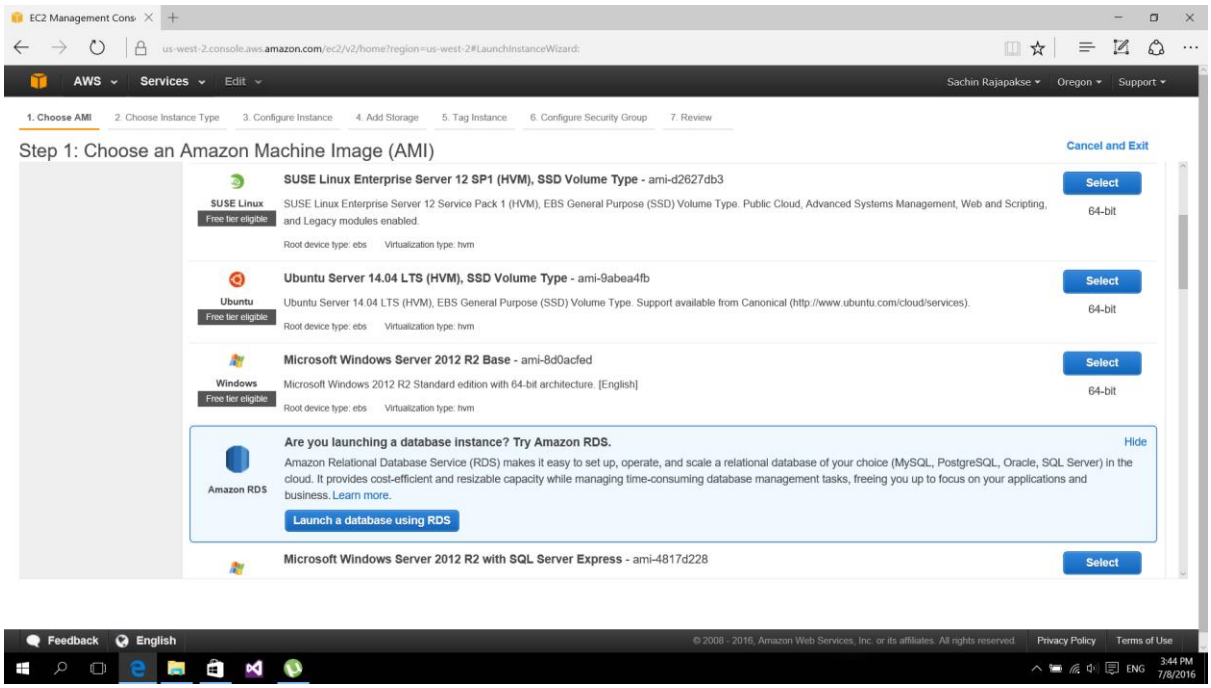


Step 02: Select Launch Instance under Create Instance from EC2 Dashboard.



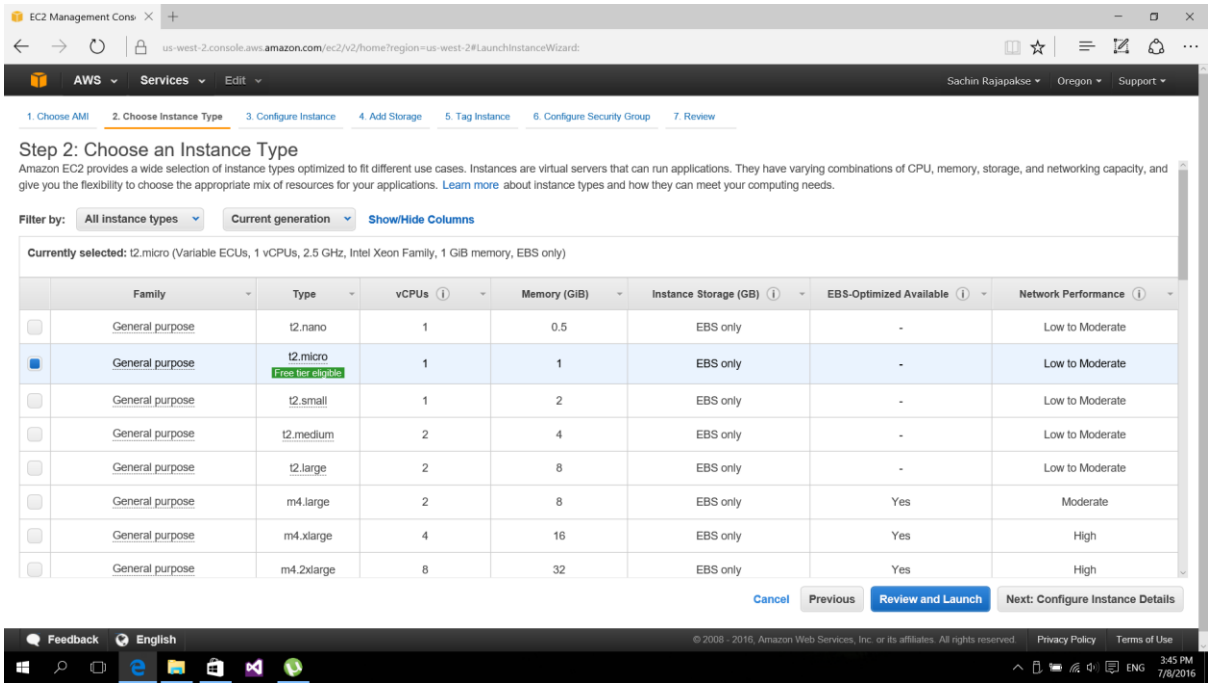
Step 03: Choose an Amazon Machine Image (AMI).

Select Microsoft Windows Server 2012 R2 Base.

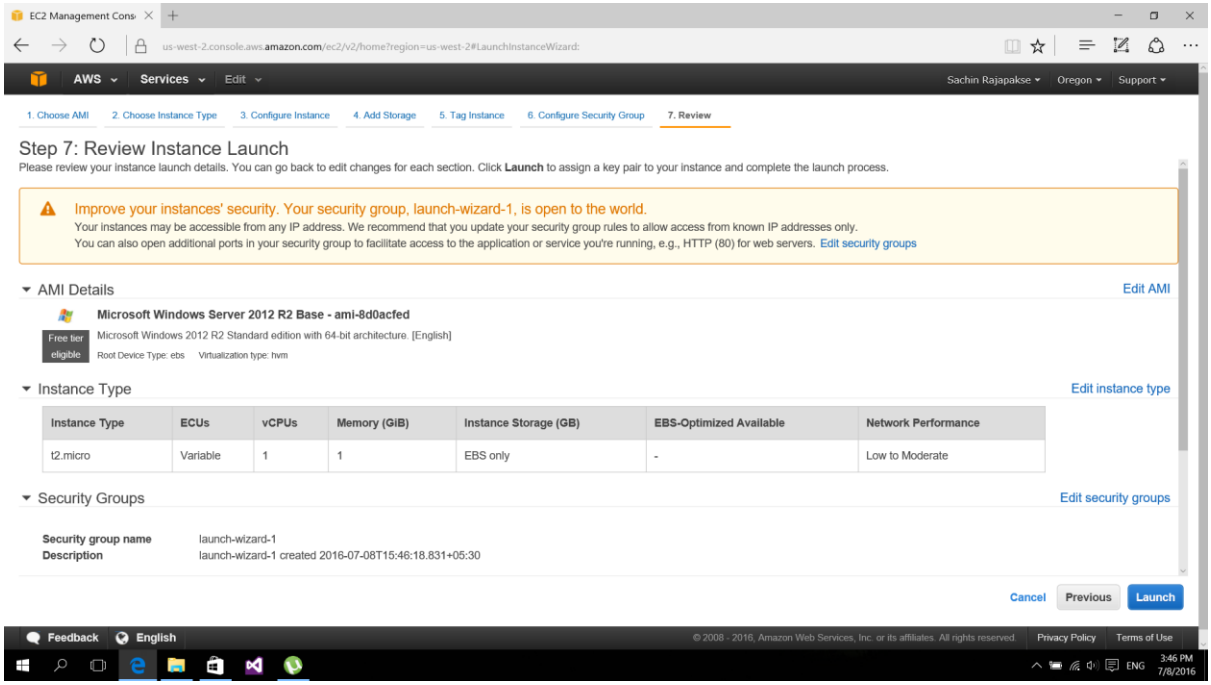


Step 04: Choose an Instance Type.

Then review and launch.



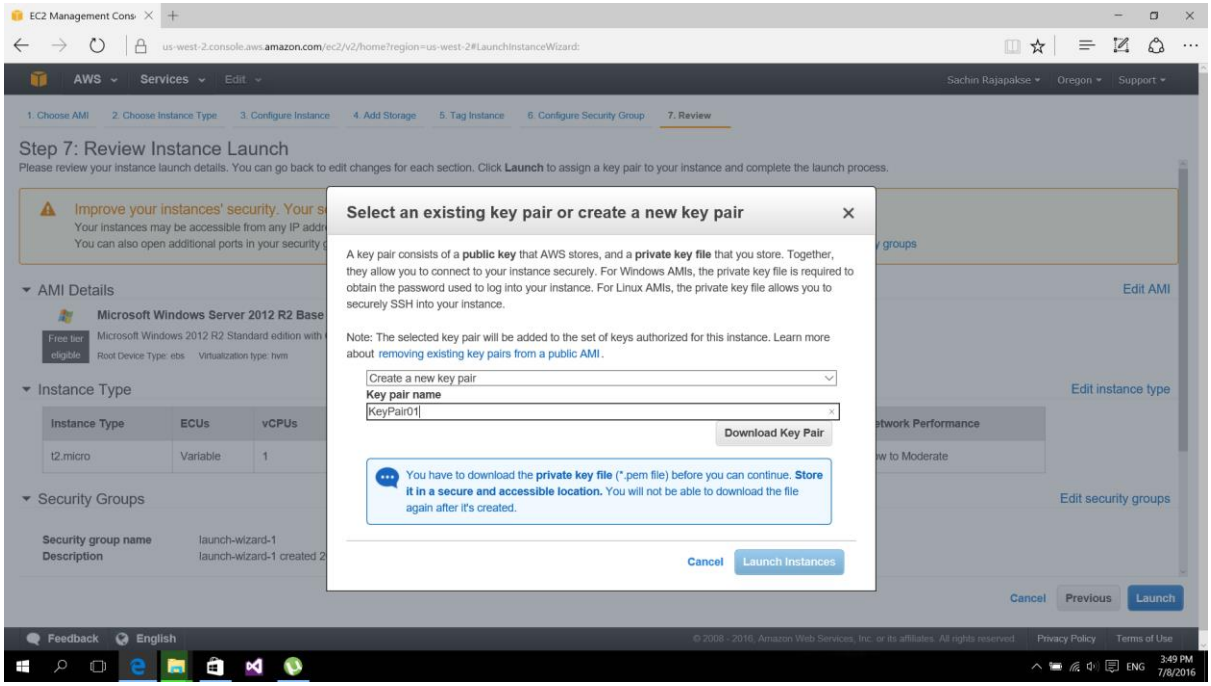
Step 05: Review Instance Launch.



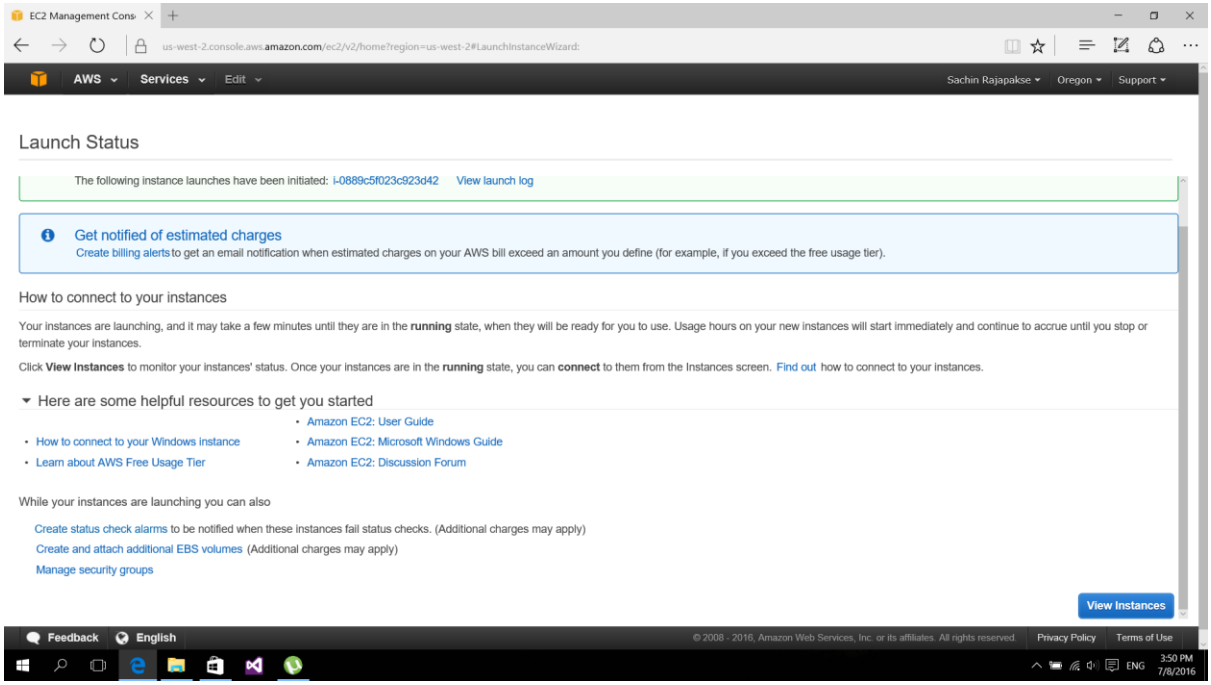
Step 06: Choose create a new key pair to download a new key pair.

Then give a key pair name.

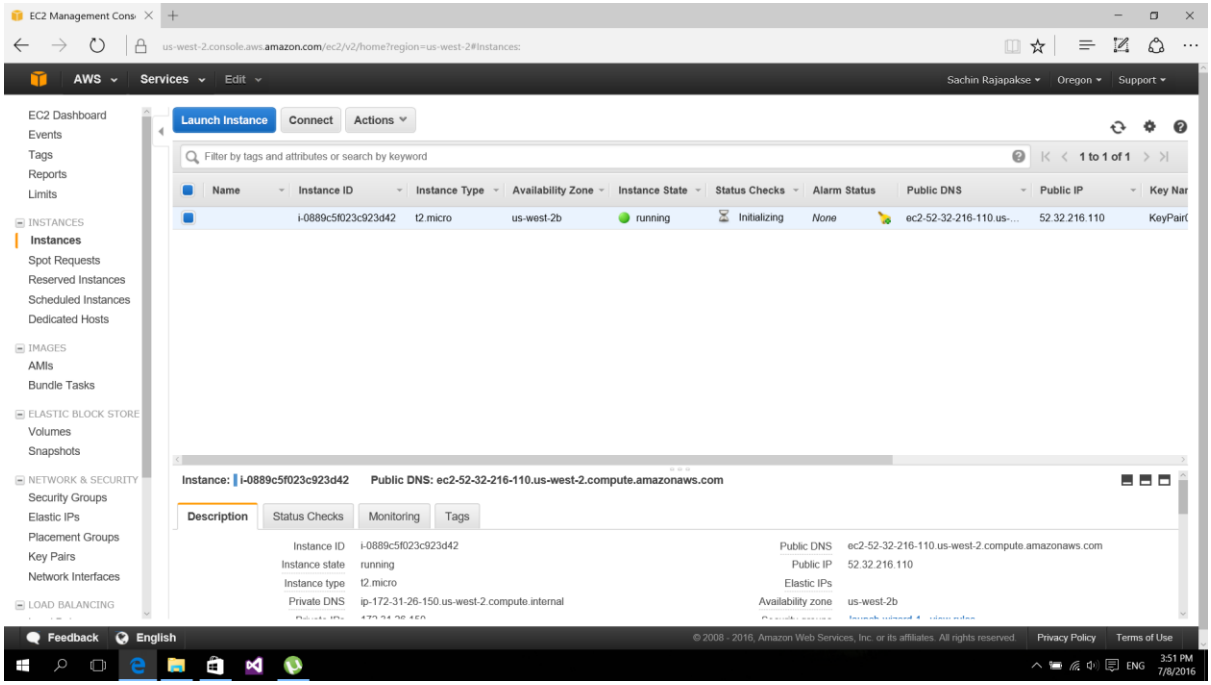
Then select Launch Instance.



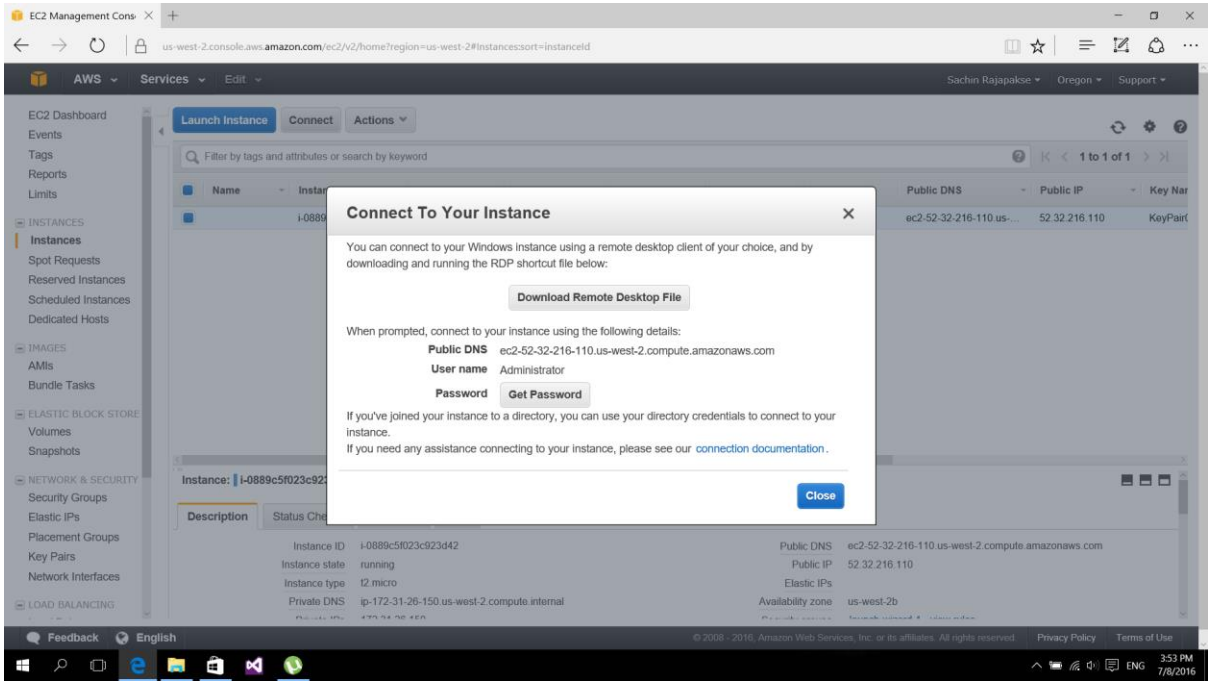
Step 07: View Instances after launching.



Step 08: Select the created instance and then connect.

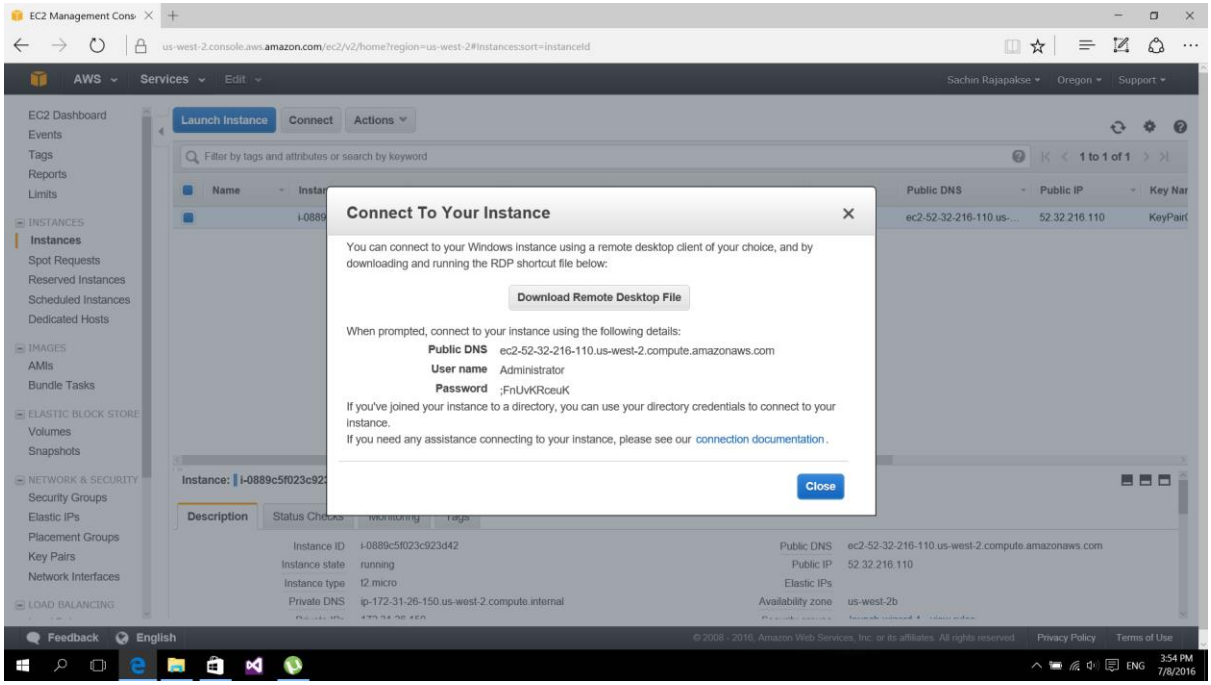


Step 09: Get a password from Connect To Your Instance window.



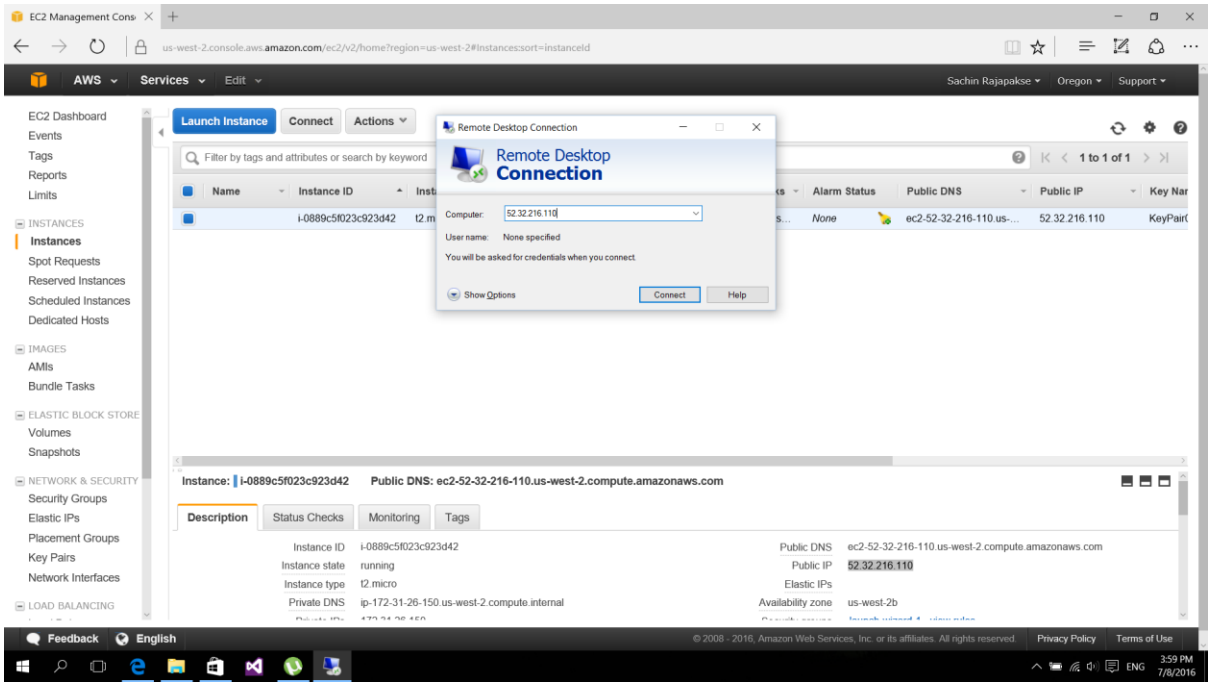
Step 10: Decrypt the password.

Note down the user name and the decrypted password.

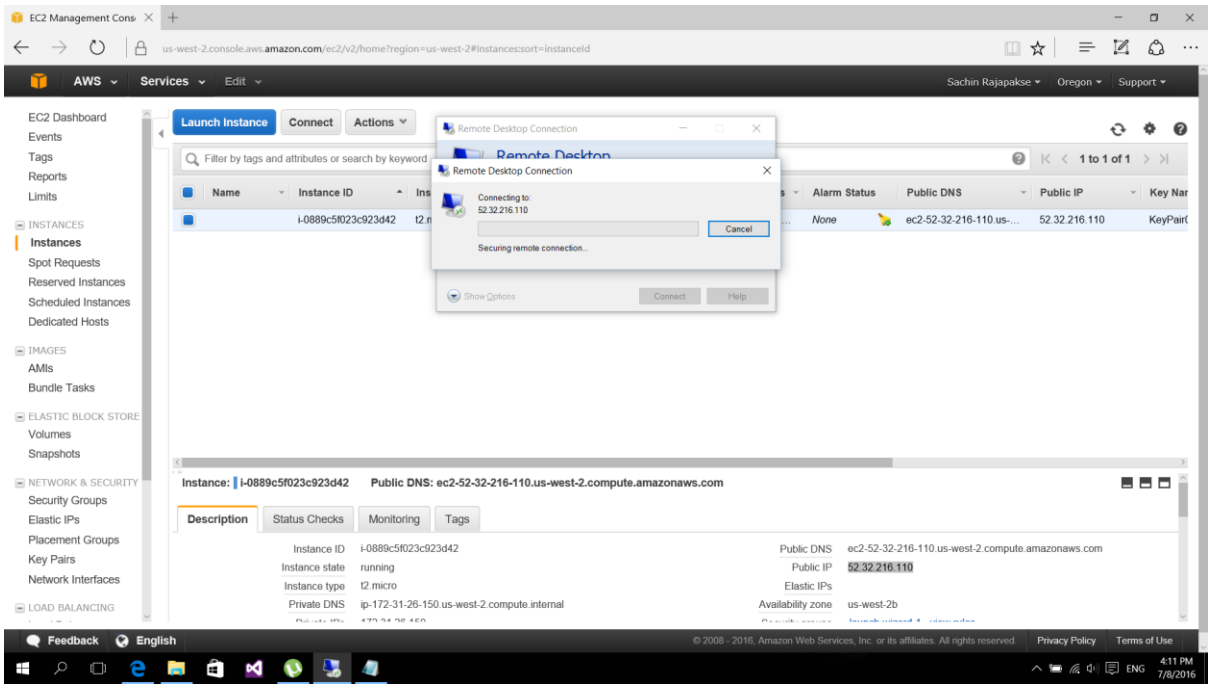


Step 11: Open Remote Desktop Connection.

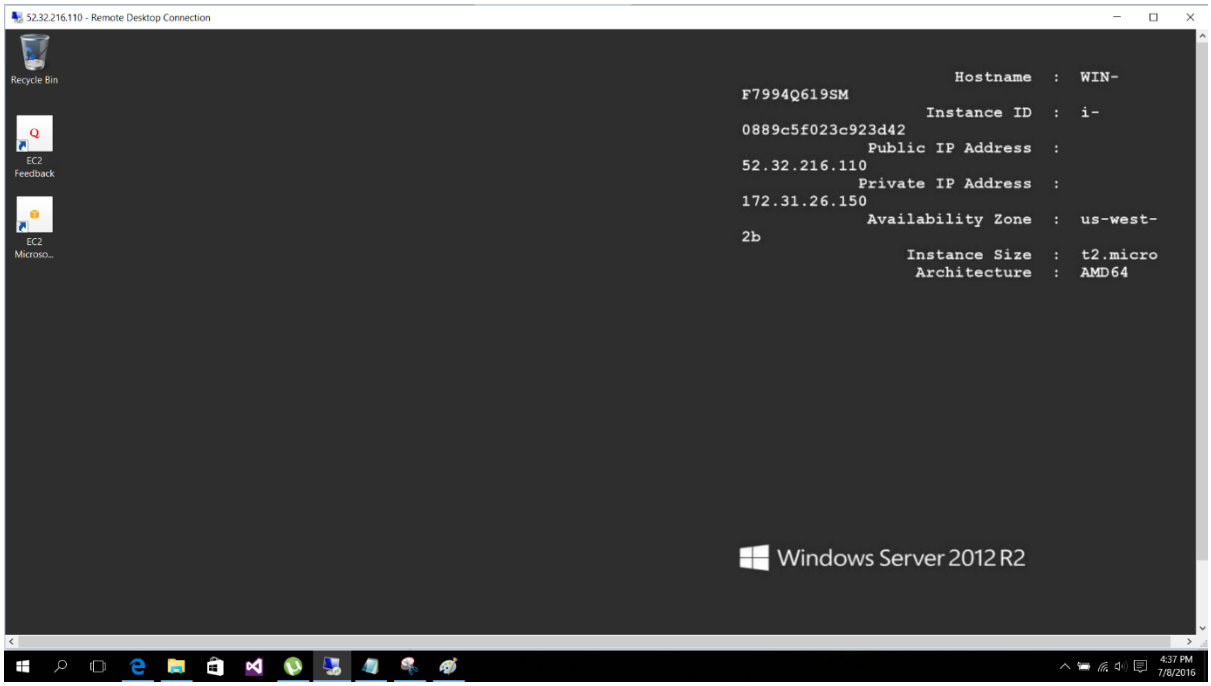
Provide the public IP of the launched instance.



Step 12: Connect to the created instance.

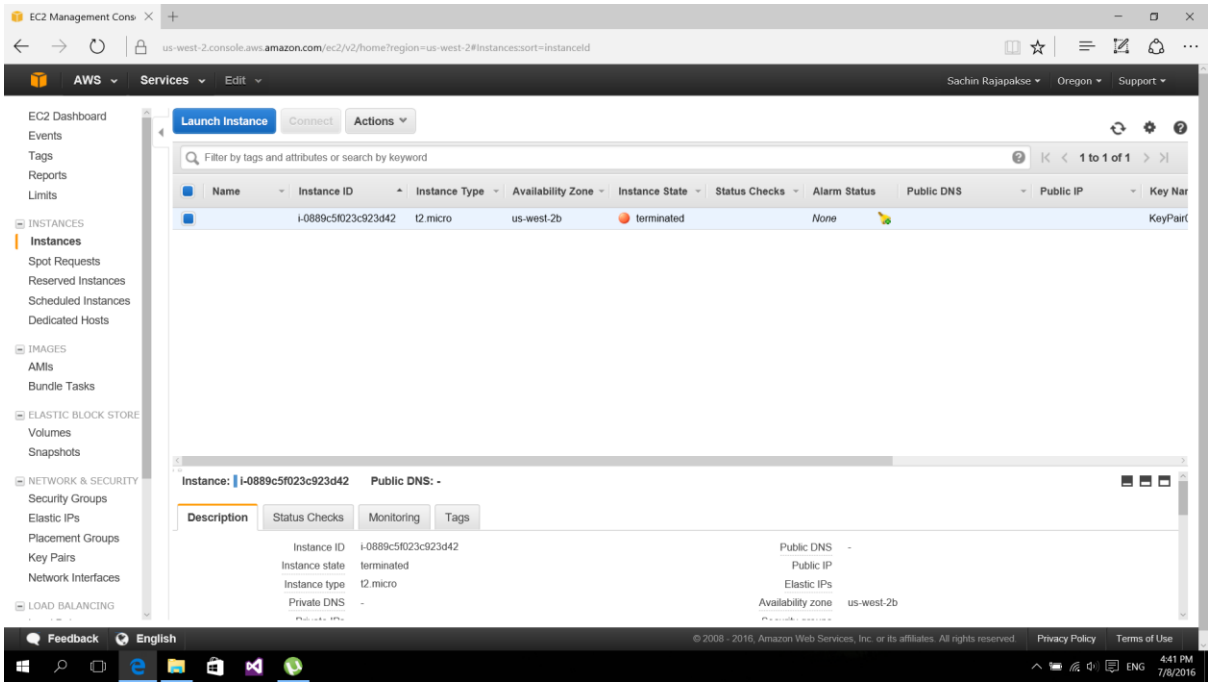


Step 13: Log in to Windows Server 2012 R2 using the given user name and the decrypted password.



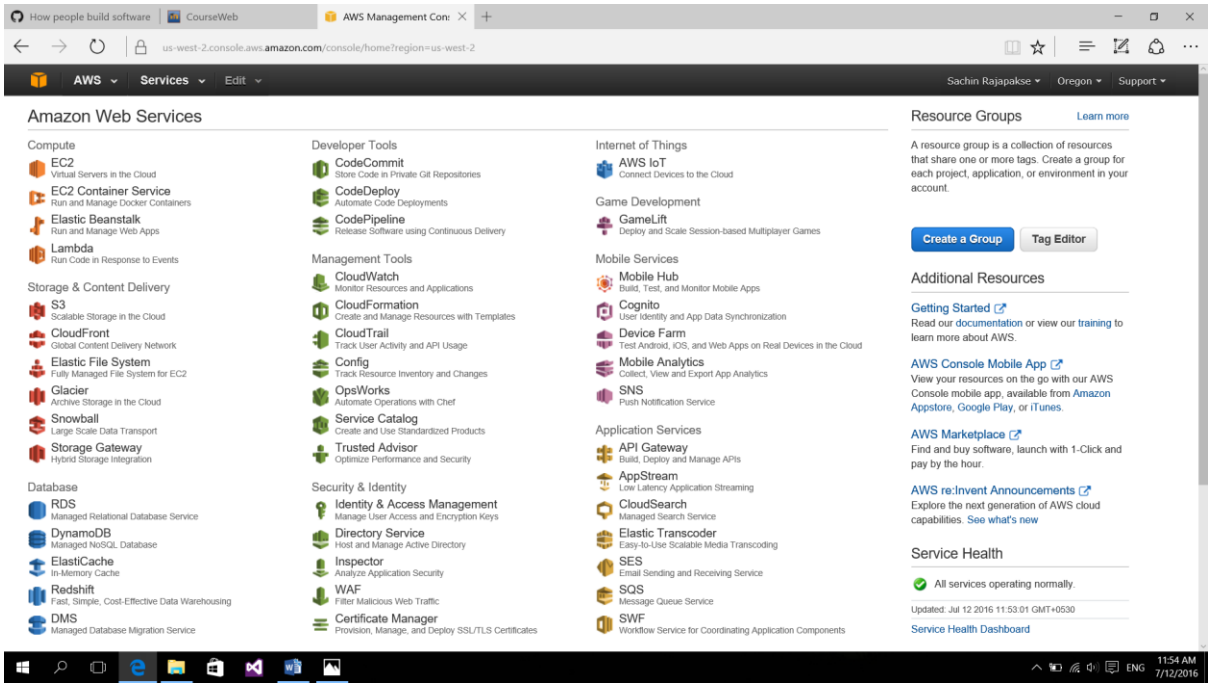
Step 14: Right click on the created server instance and terminate it from the instance state.

(Right click on instance -> Instance State -> Stop)

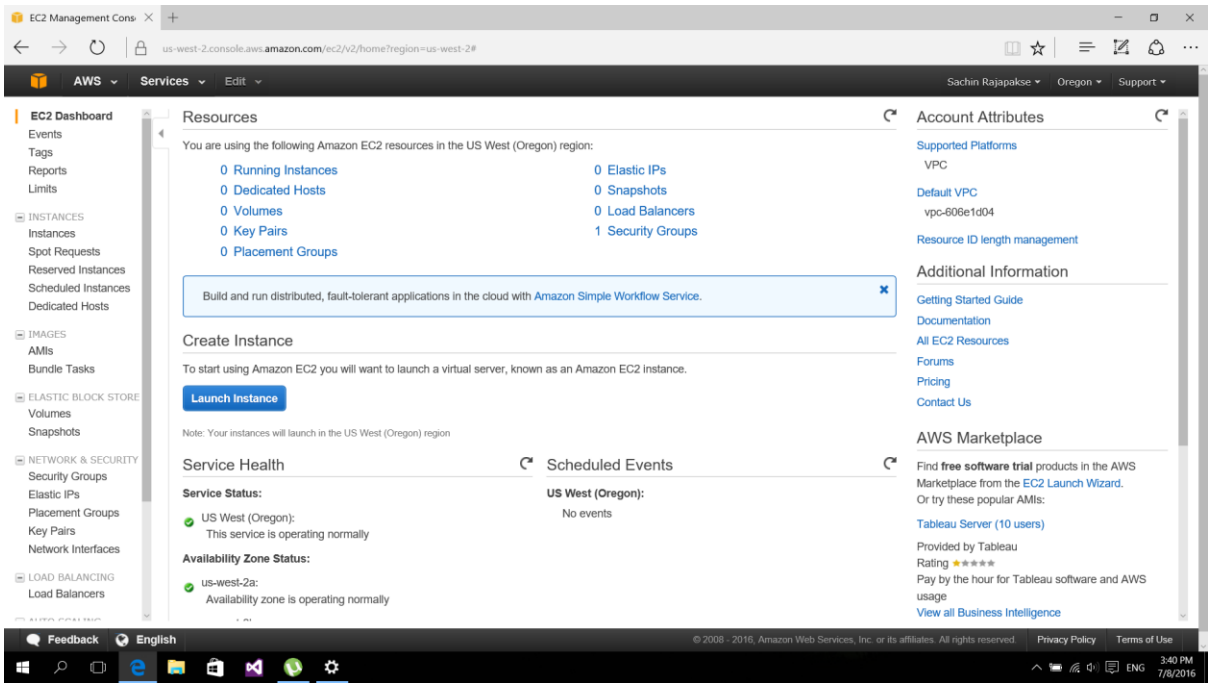


02. Creating an Amazon EBS-Backed Linux AMI

Step 01: Select EC2 from Amazon Web Services. (Services -> EC2)

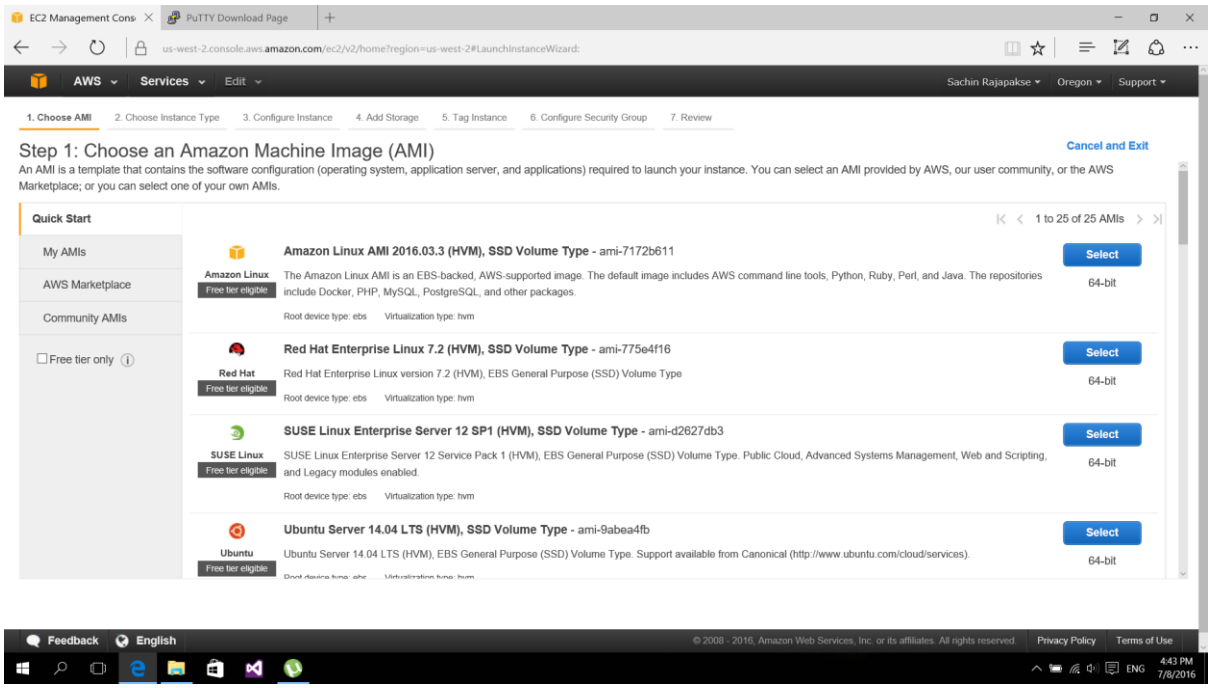


Step 02: Select Launch Instance under Create Instance from EC2 Dashboard.



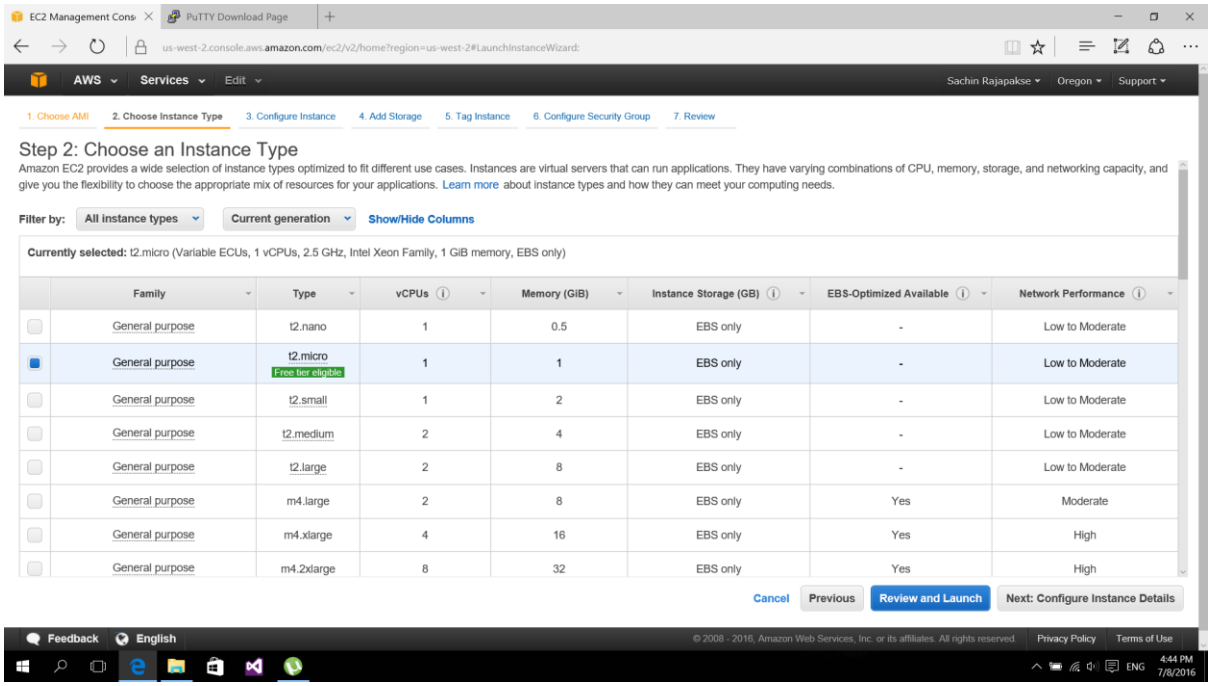
Step 03: Choose an Amazon Machine Image (AMI).

Select Amazon Linux AMI 2016.03.3 (HVM), SSD Volume Type.

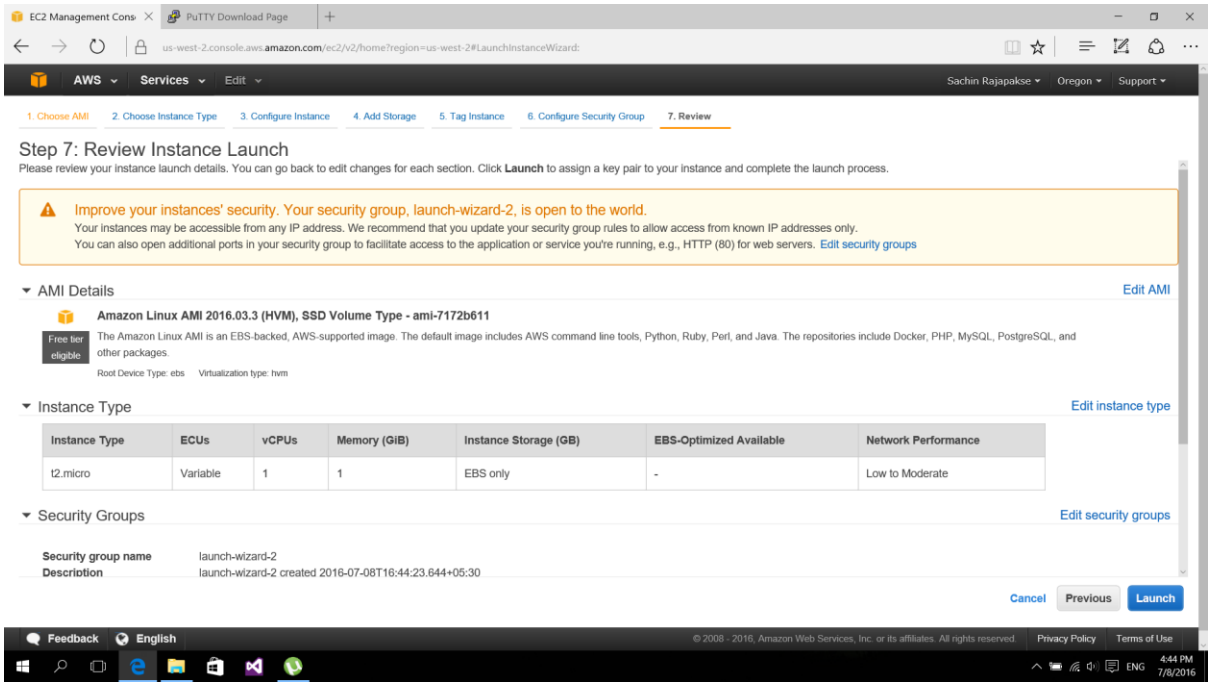


Step 04: Choose an Instance Type.

Then review and launch.



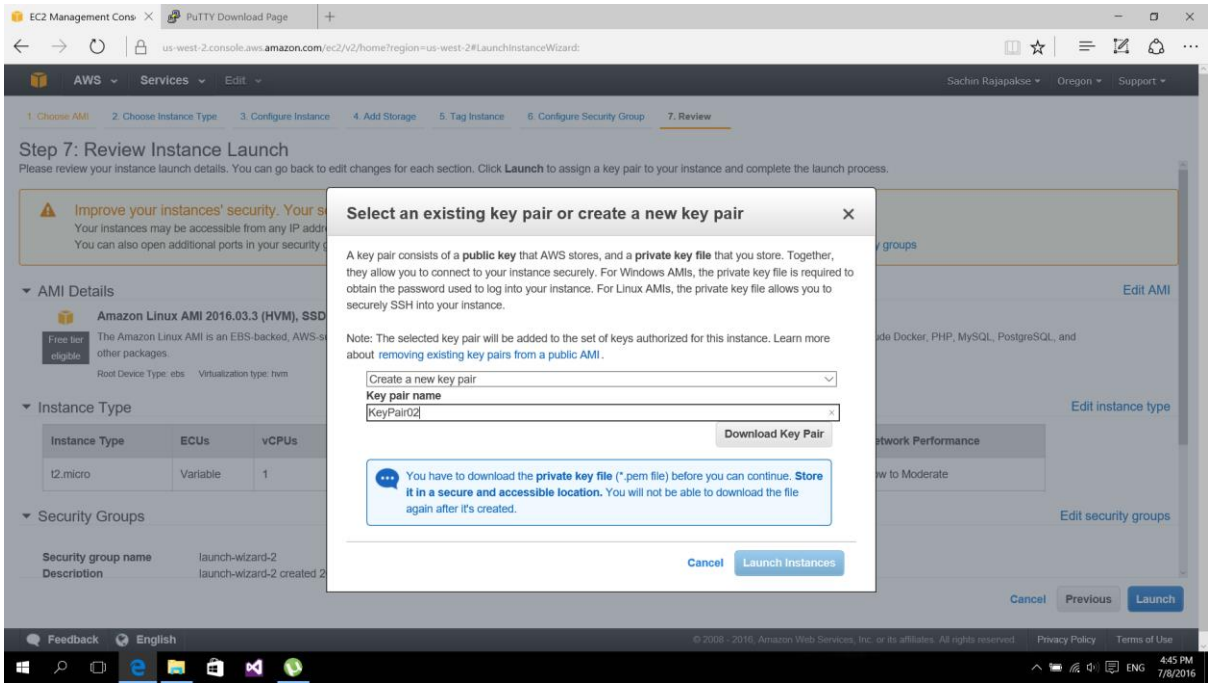
Step 05: Review Instance Launch.



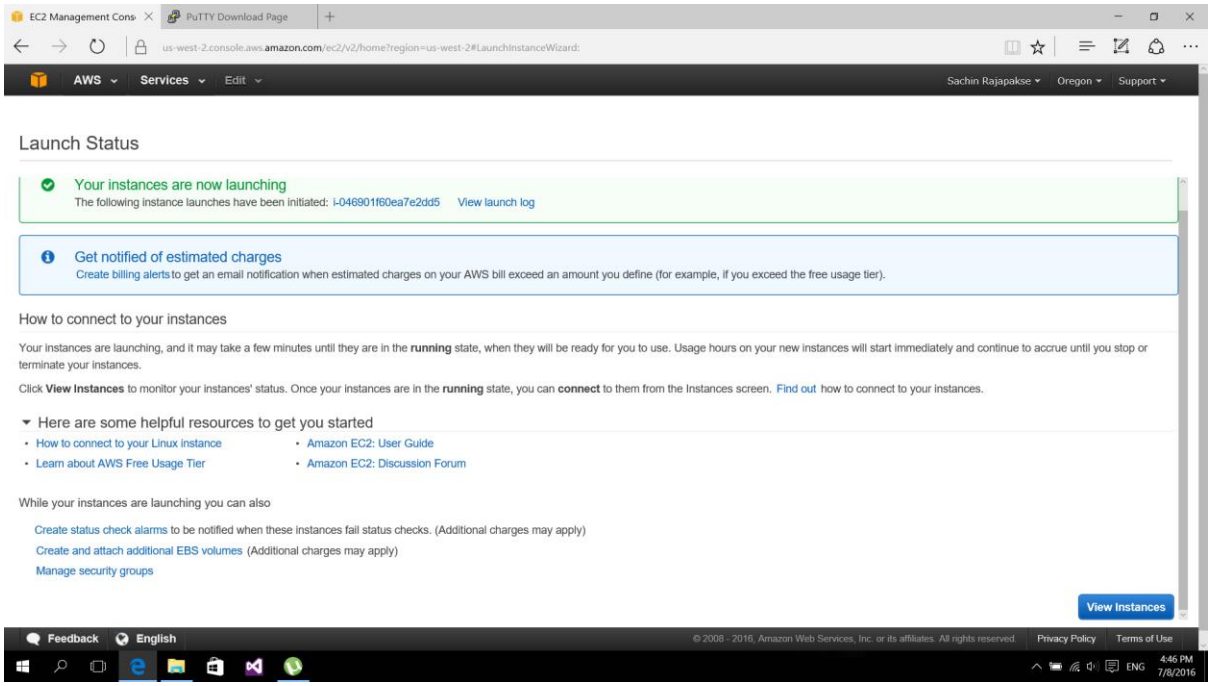
Step 06: Choose create a new key pair to download a new key pair.

Then give a key pair name.

Then select Launch Instance.

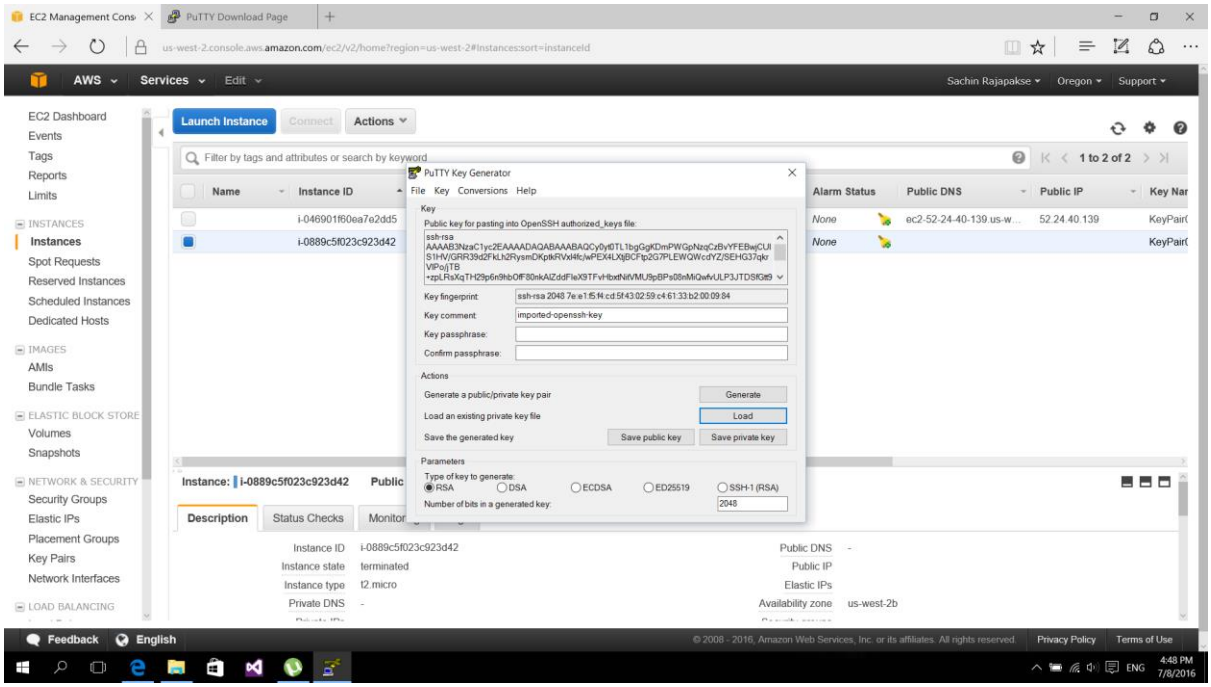


Step 07: View Instances after launching.



Step 08: Open PuTTY Key Generator.

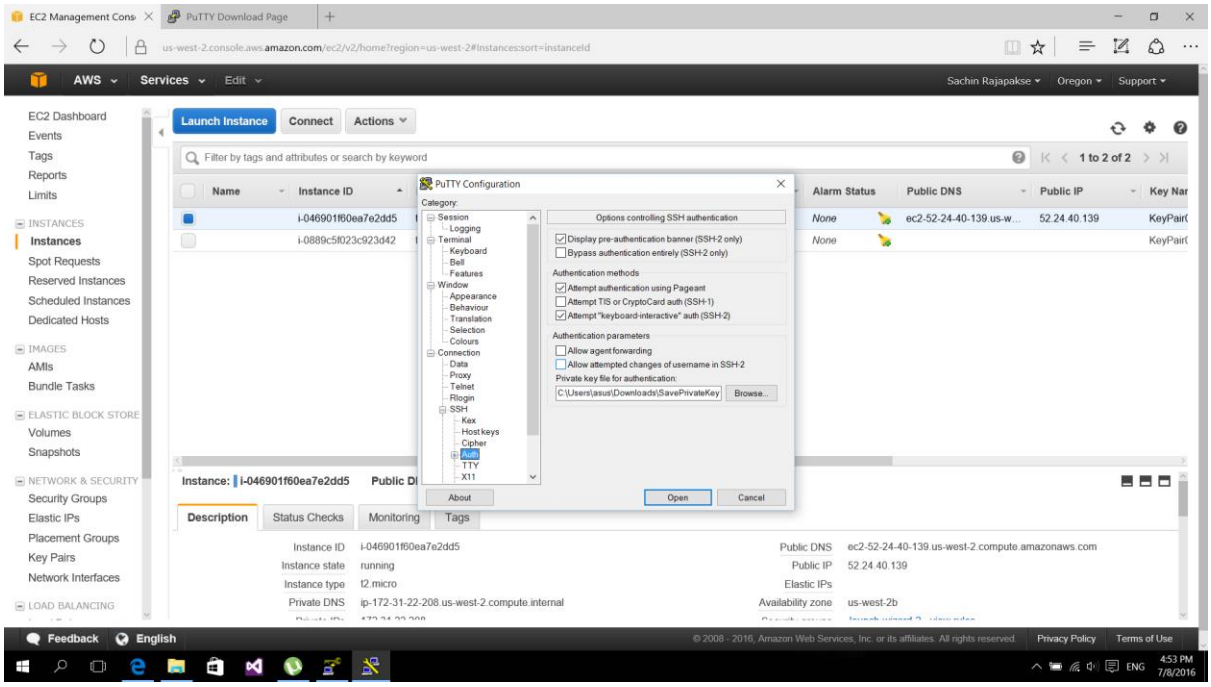
Then browse and load the downloaded key pair file and save it as a private key.



Step 09: Open PuTTY Configuration.

Go to Connection category for SSH authentication. (Connection -> SSH -> Auth)

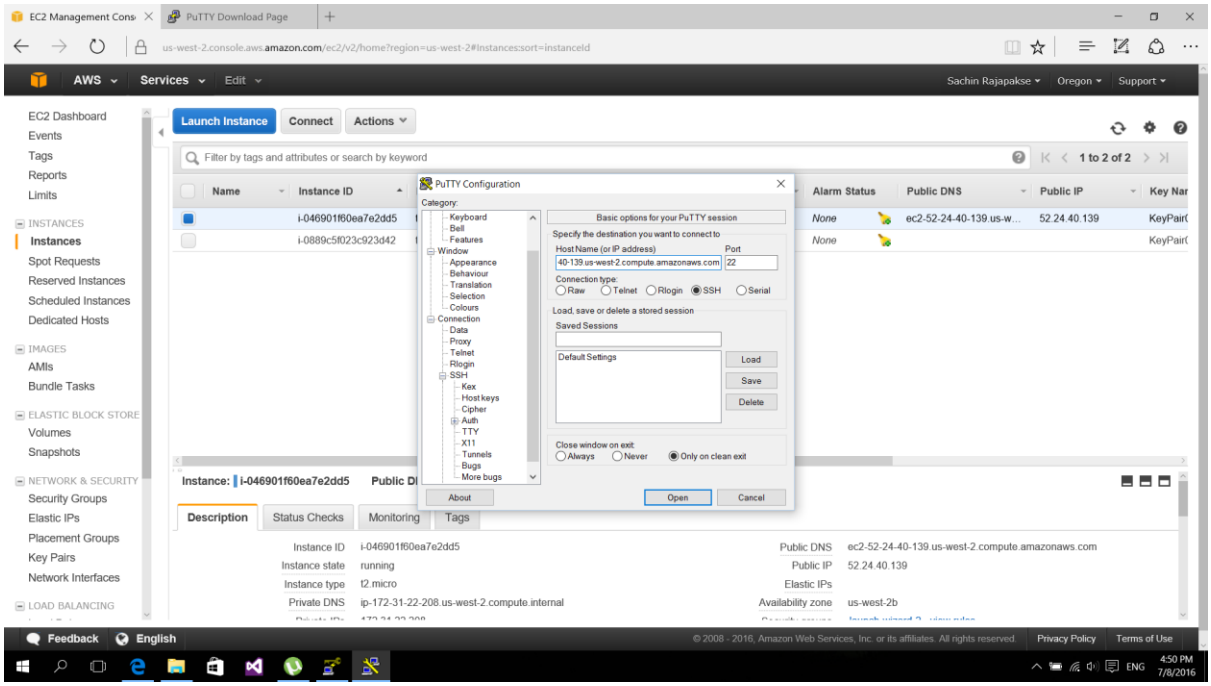
Then under authentication parameters browse saved private key and open.



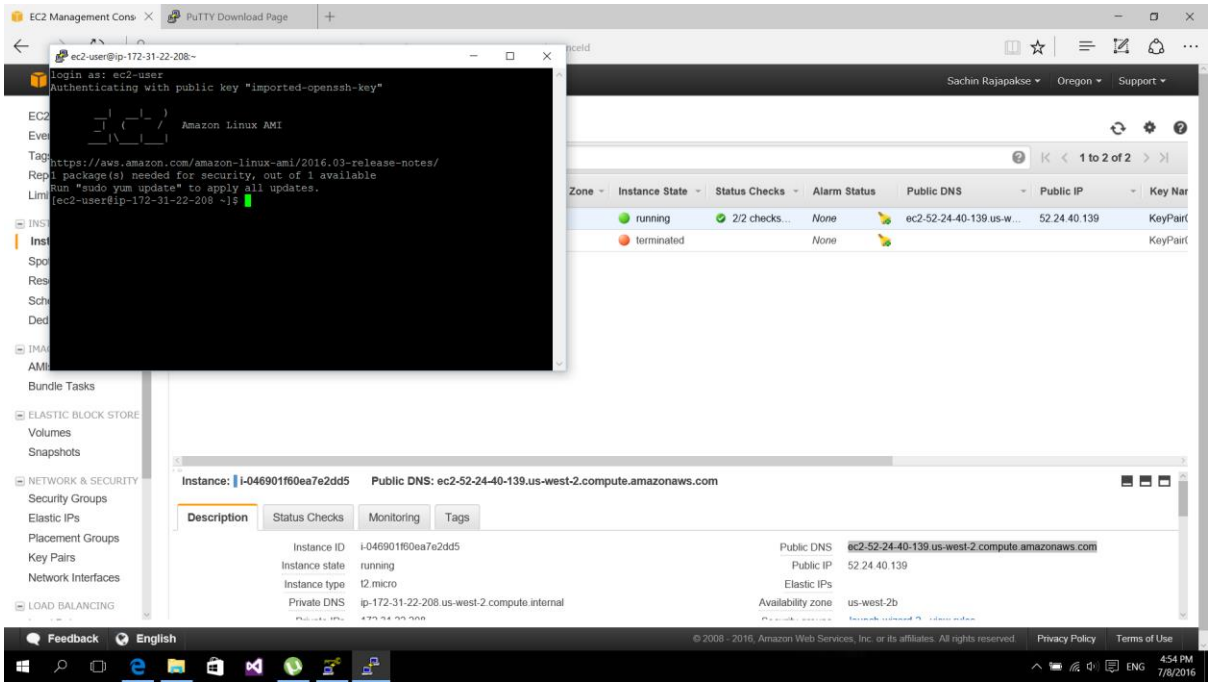
Step 10: Go back to Session category in PuTTY Configuration.

Copy the Public DNS of created instance and paste it under Host Name.

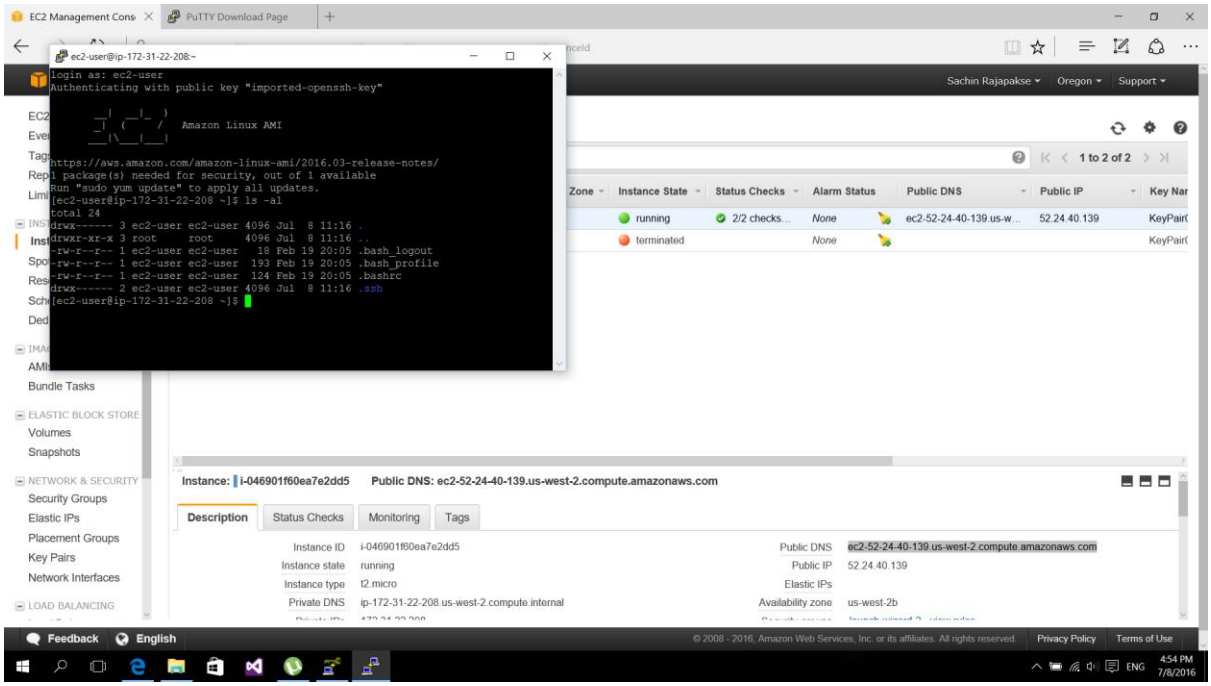
Set Connection type to SSH and open.



Step 11: Log in to Linux by giving user name in the kernel. (ec2-user)



Step 12: Type some Linux commands to check. (ls -al)



Step 13: Terminate or stop the instance from instance state.

(Right click on instance -> Instance State -> Terminate/ Stop)