Enterprise Standards and Best Practices for IT Infrastructure

Lab 01 and 02-Lab Report

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Software Requirements Specification

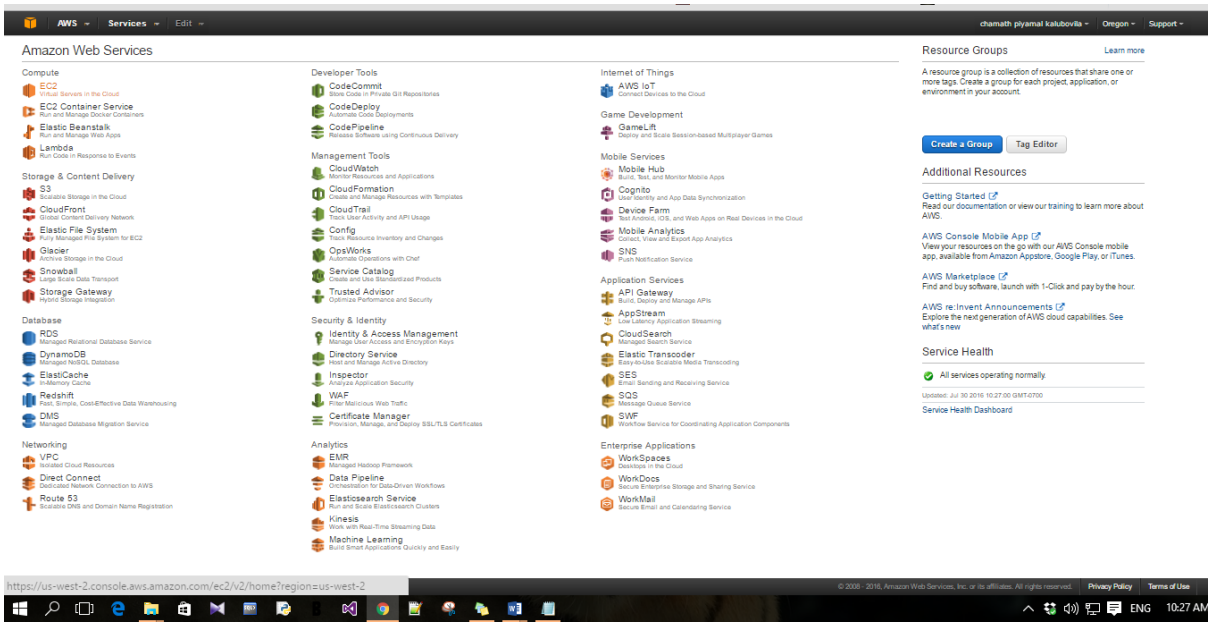
Sri Lanka Institute of Information Technology

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

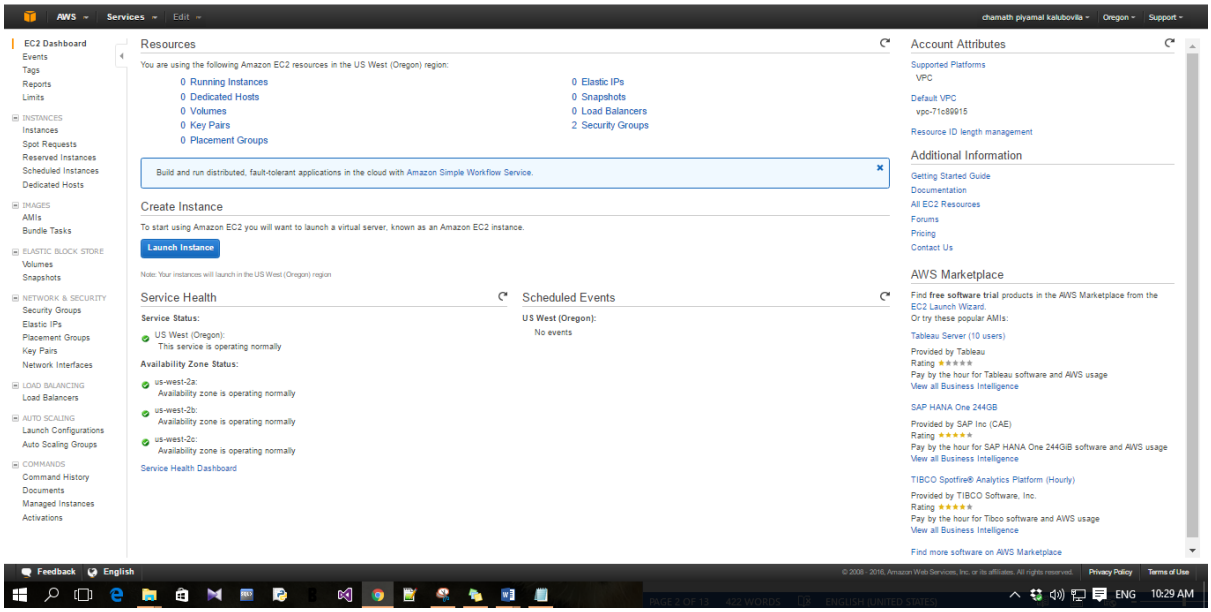
Specialized in Information Technology

Creating an Amazon EBS-Backed Windows AMI

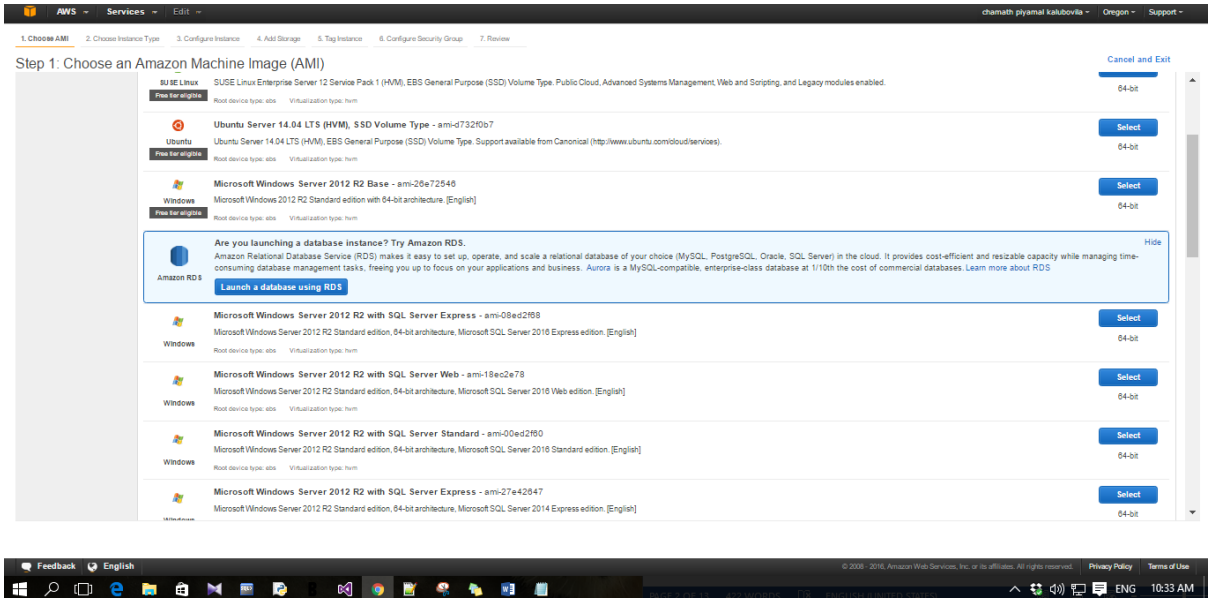
Step 01: Select EC2 web service (virtual server in cloud) from Amazon web servers.



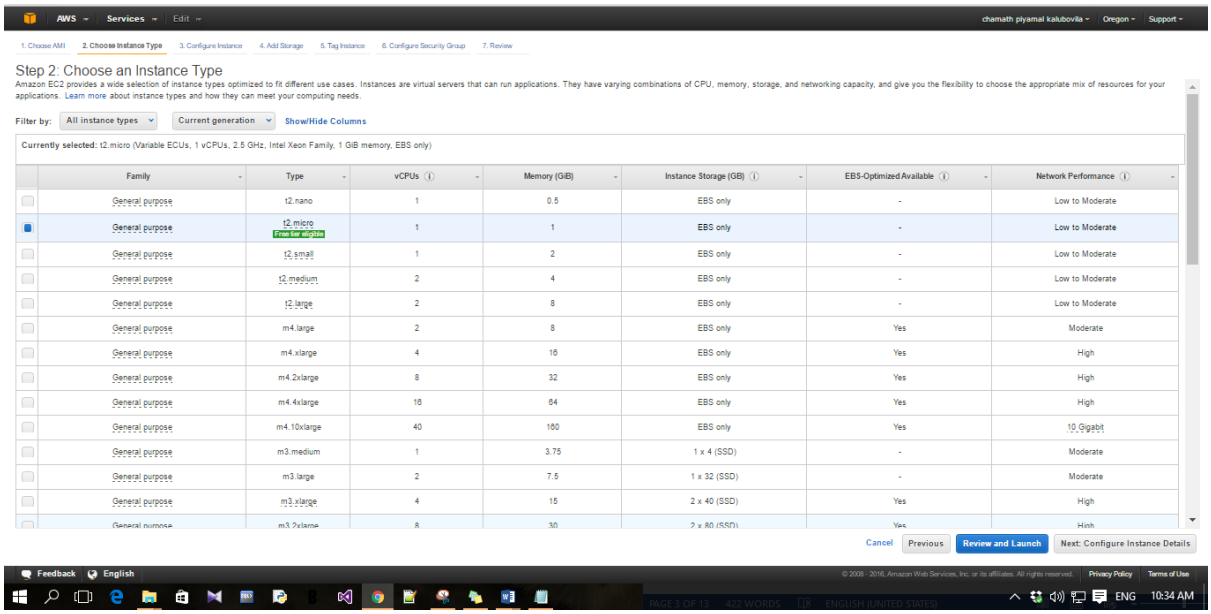
Step 02: Select Launch Instance under Create Instance in main interface.



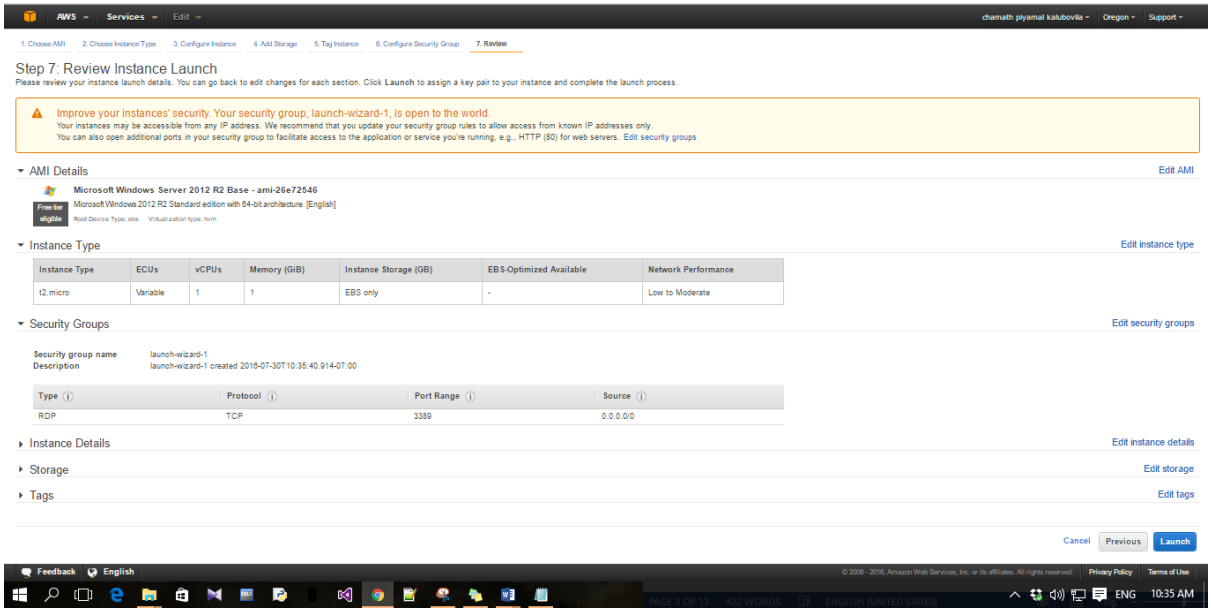
<u>Step 03</u>: Choose an Amazon Machine image (AMI).(Select Microsoft windows Server 2012 R2 Base)



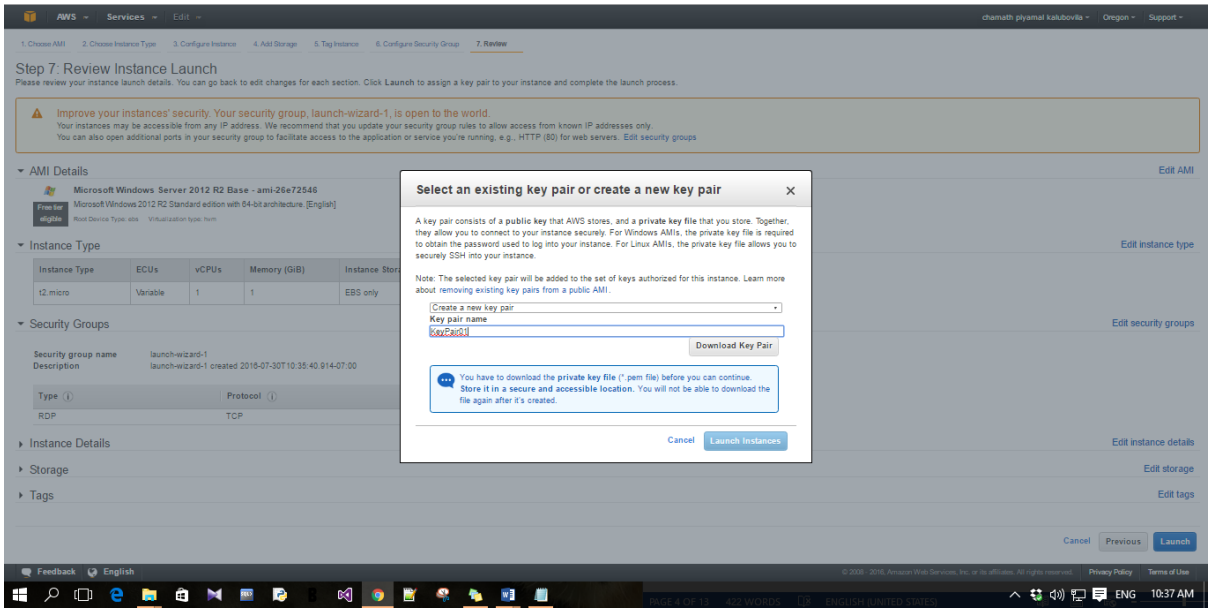
<u>Step 04</u>:Choose an Instance type.



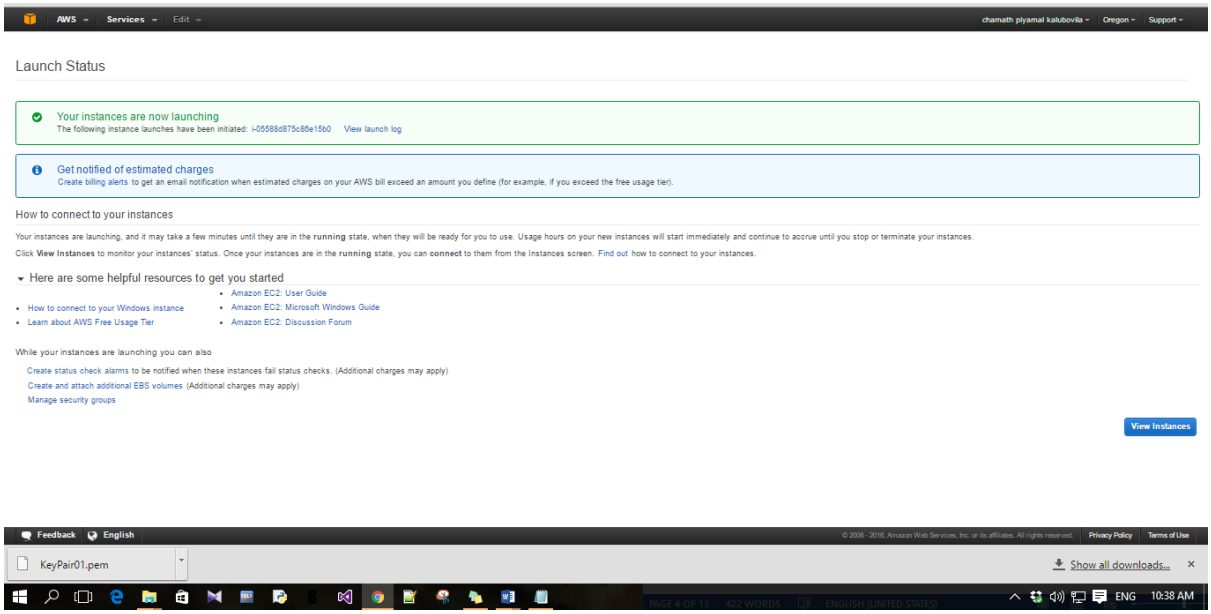
Step 05: Review Instance Launch.



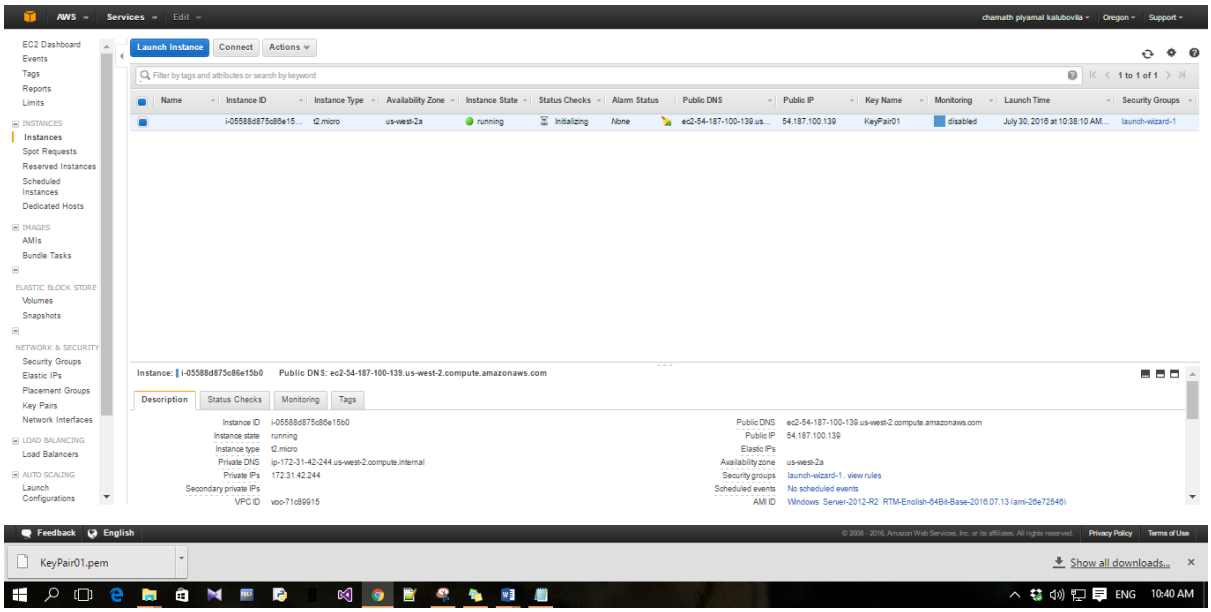
Step 06: After launch there is popup box which is to select an existing key pair or create new key pair. Select new key pair and download the key pair. After downloading the key pair click Launch Instance.



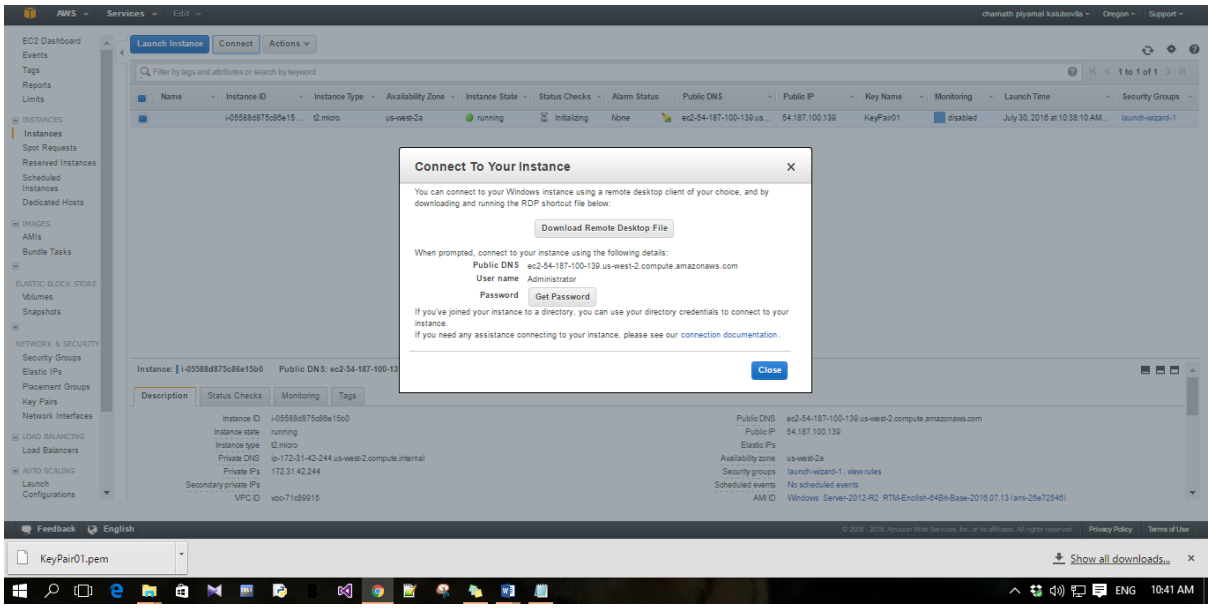
Step 07: View instance after launching.



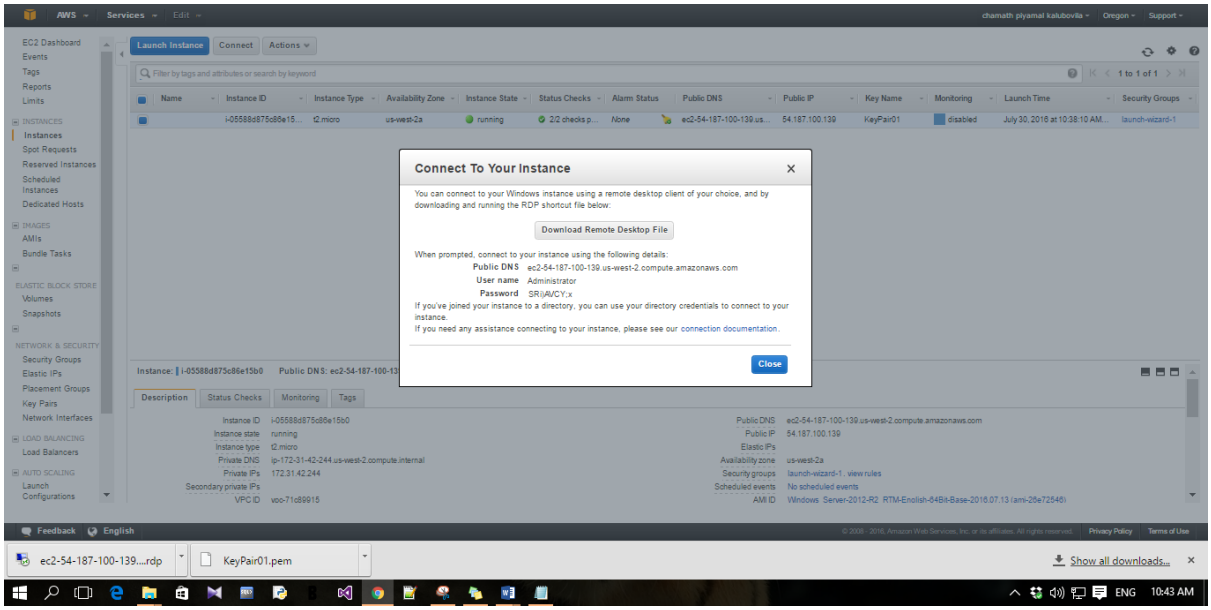
Step 08: Select the created instance and then connect.



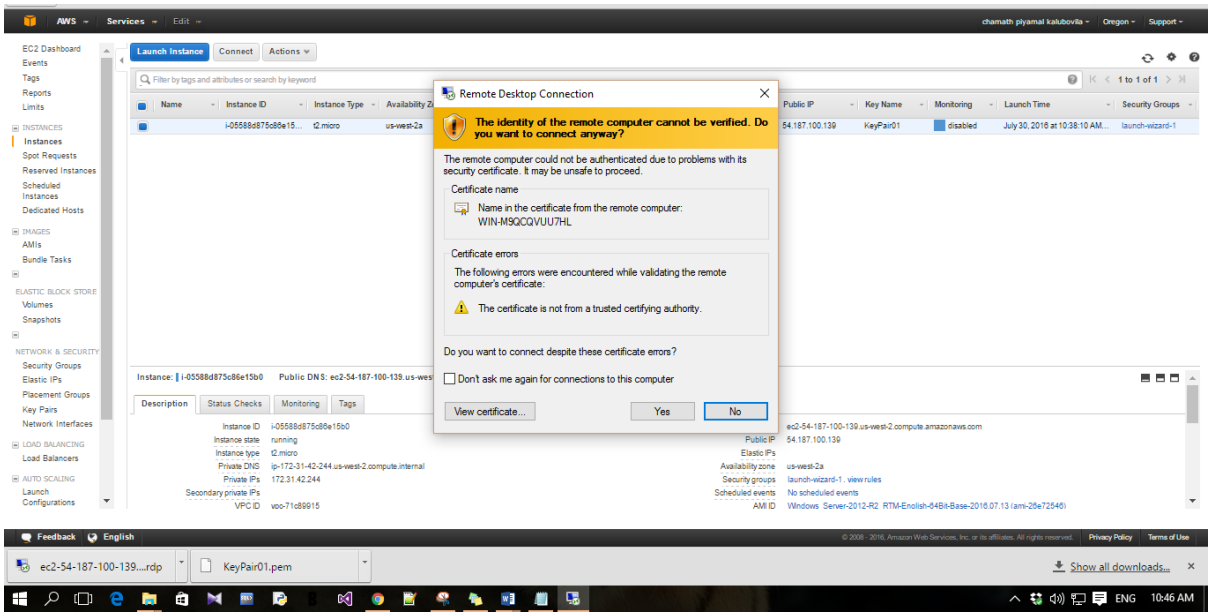
Step 09: Get a password from Connect to Your Instance window.



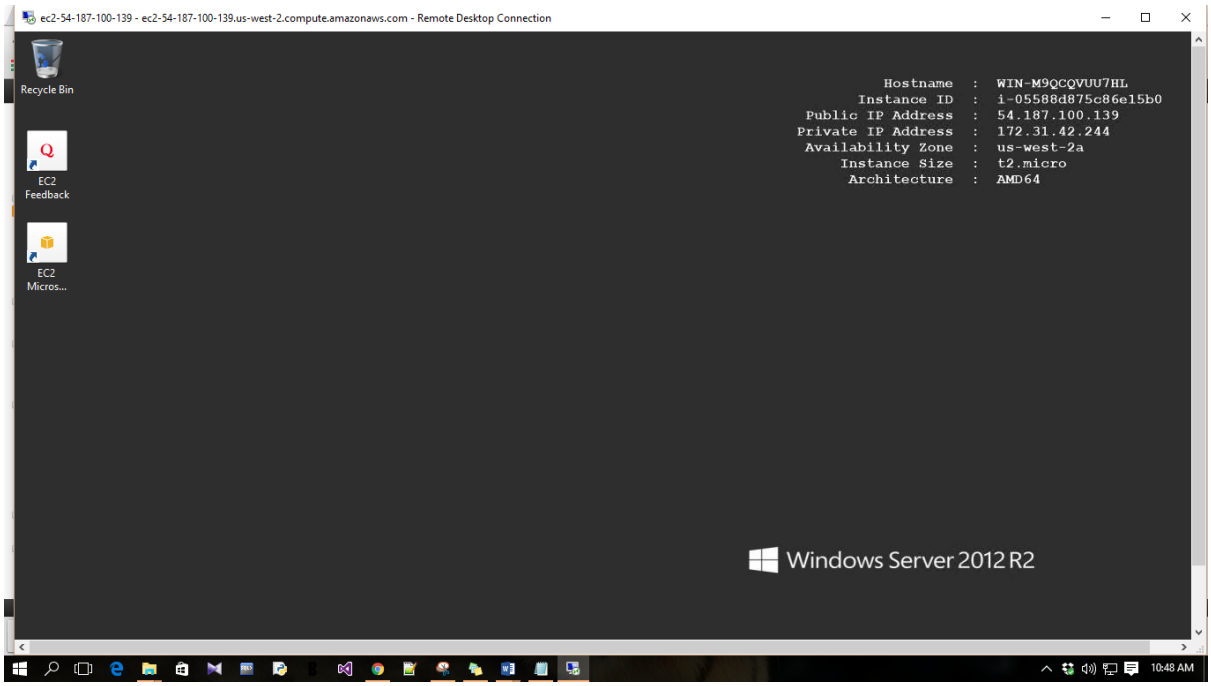
Step 10: Decrypt the password. Note down the user name and the decrypted password.



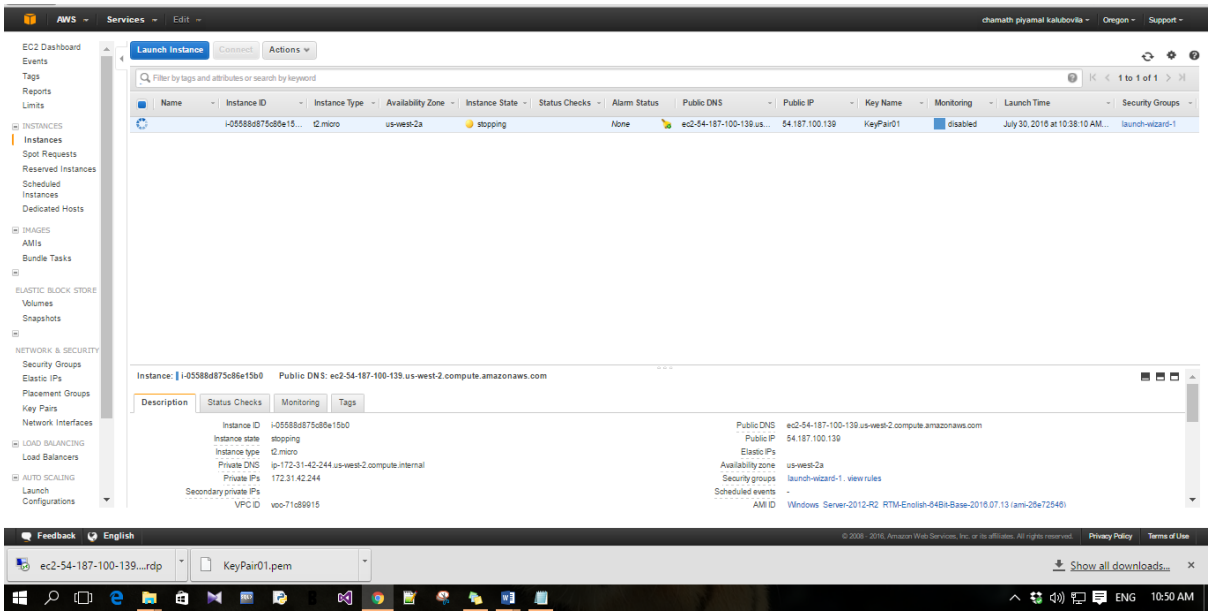
Step 11: Open Remote Desktop Connection. Provide the public IP of the launched instance. After enter password and Connect to the created instance.



Step 12: Log in to Windows Server 2012 R2 using the given user name and the decrypted password.

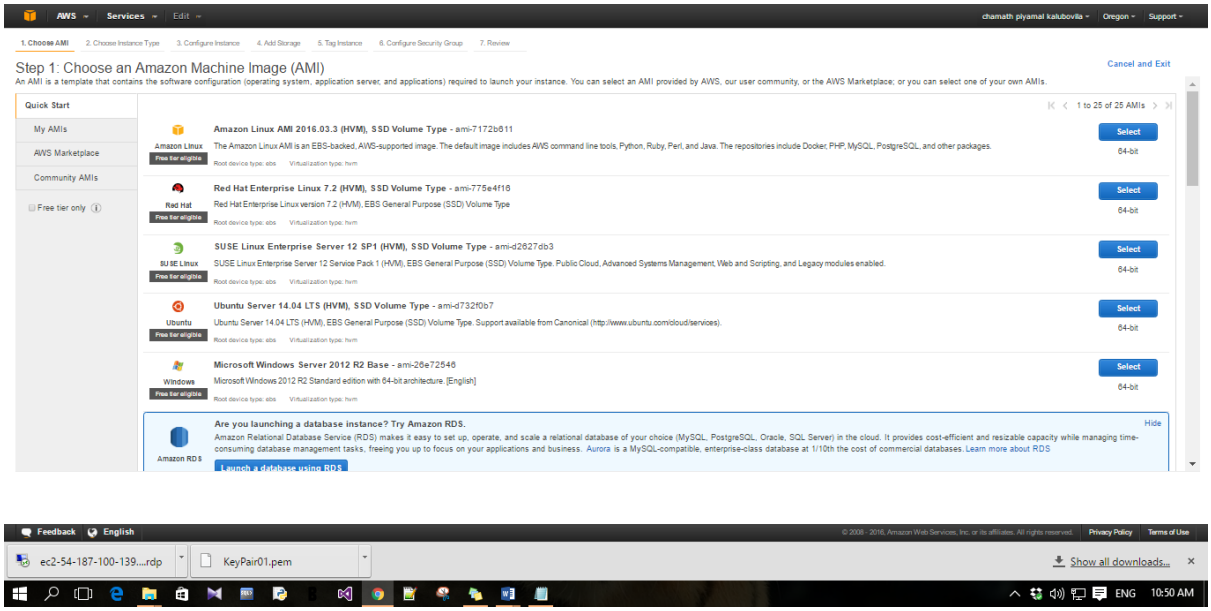


Step 13: Right click on the created server instance and terminate it from the instance state. (Right click on instance -> Instance State -> Stop)

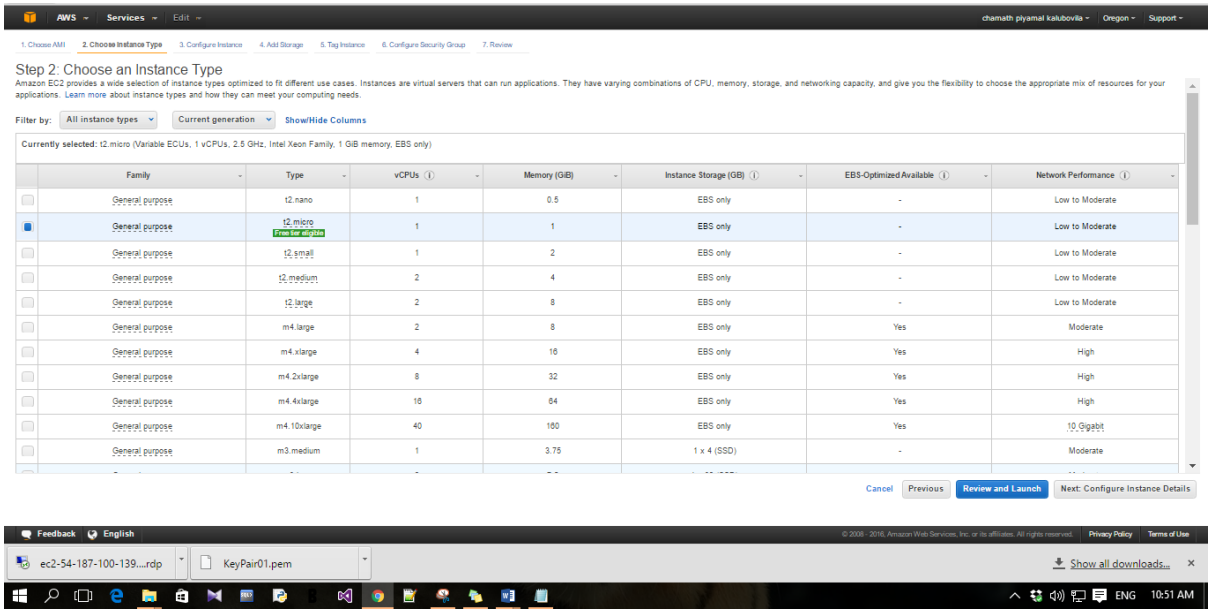


Creating an Amazon EBS-Backed Linux AMI

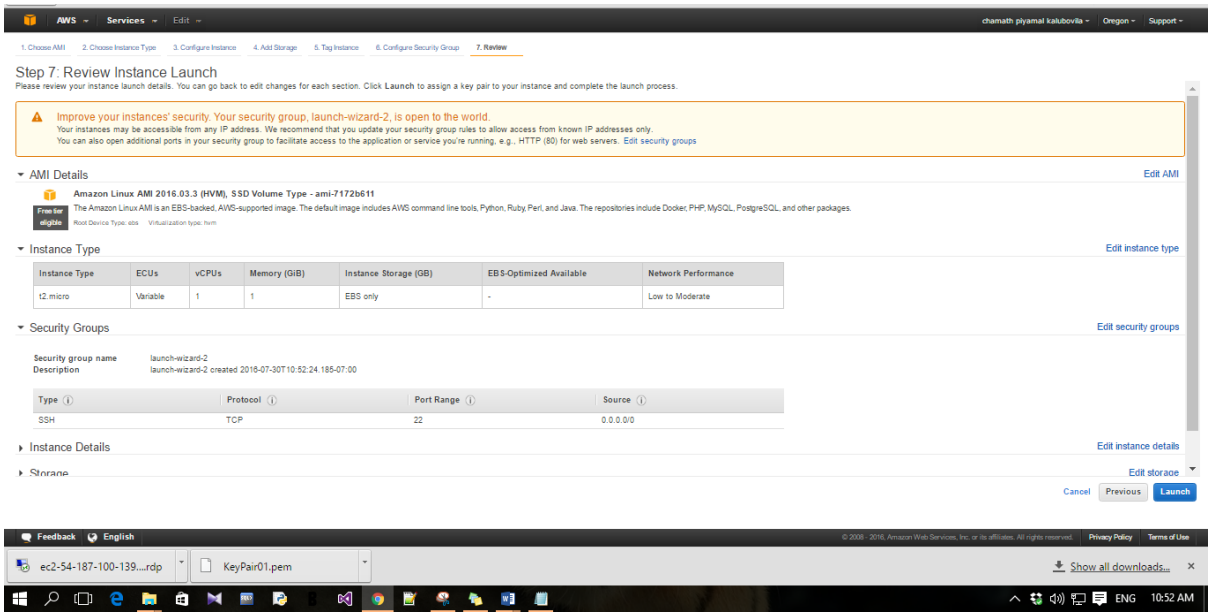
Step 01: Choose an Amazon Machine Image (AMI).Select Amazon Linux AMI 2016.03.3 (HVM), SSD Volume Type



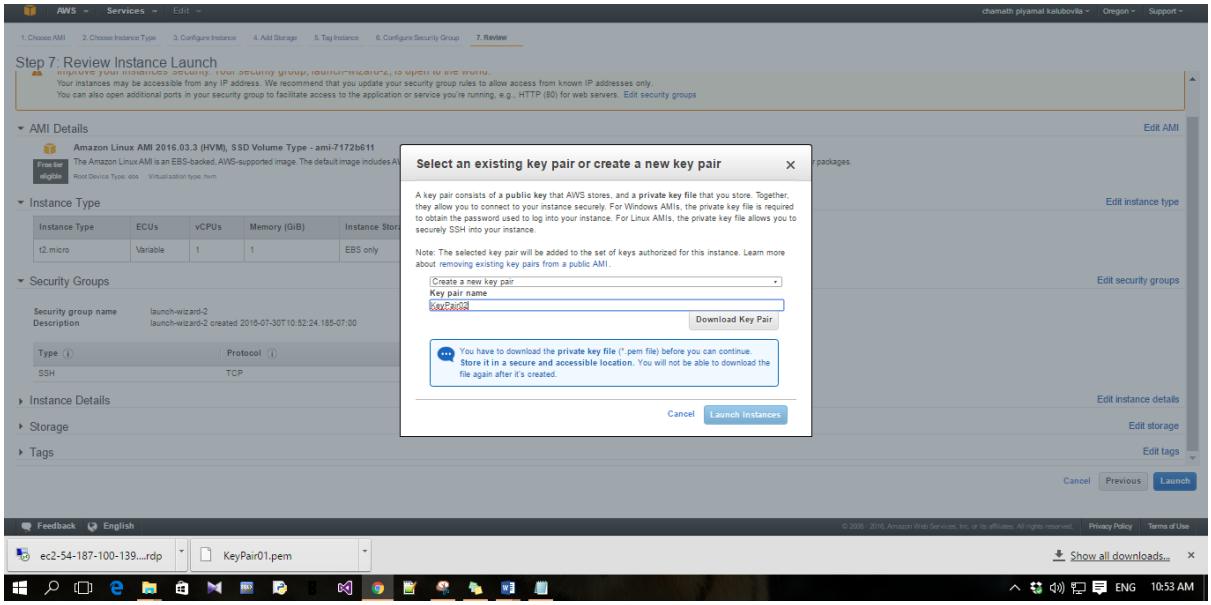
Step 02: Choose an Instance Type. Then review and launch



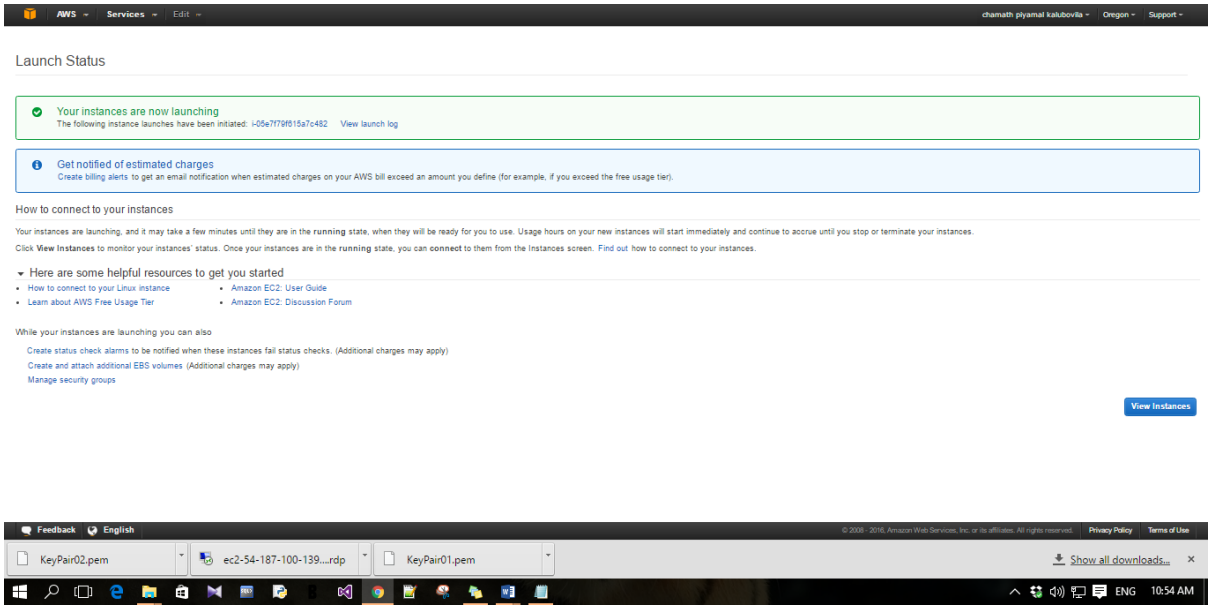
Step 03: Review Instance Launch.



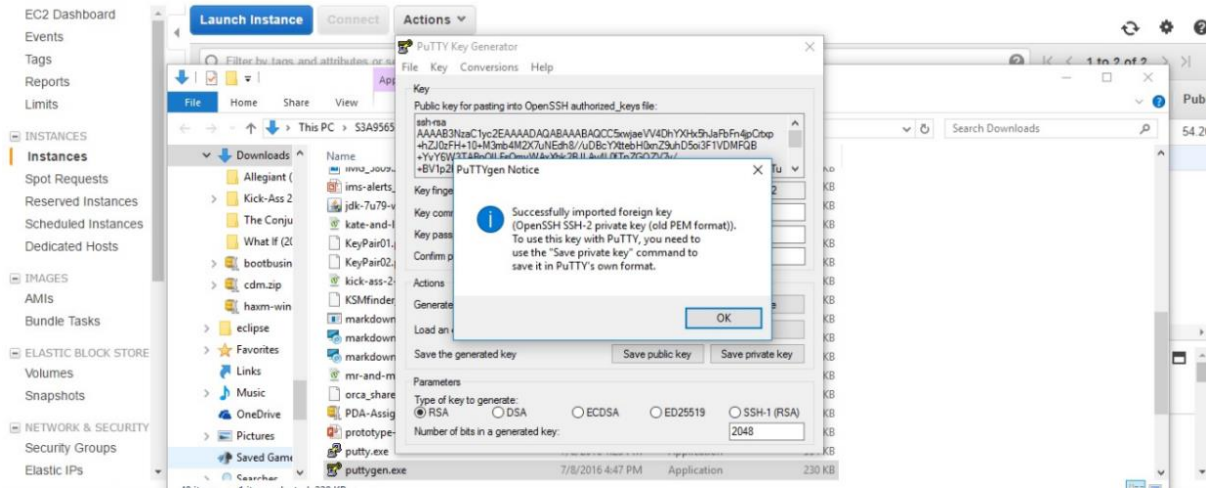
Step 04: Choose create a new key pair to download a new key pair. Then give a key pair name. Then select Launch Instance.



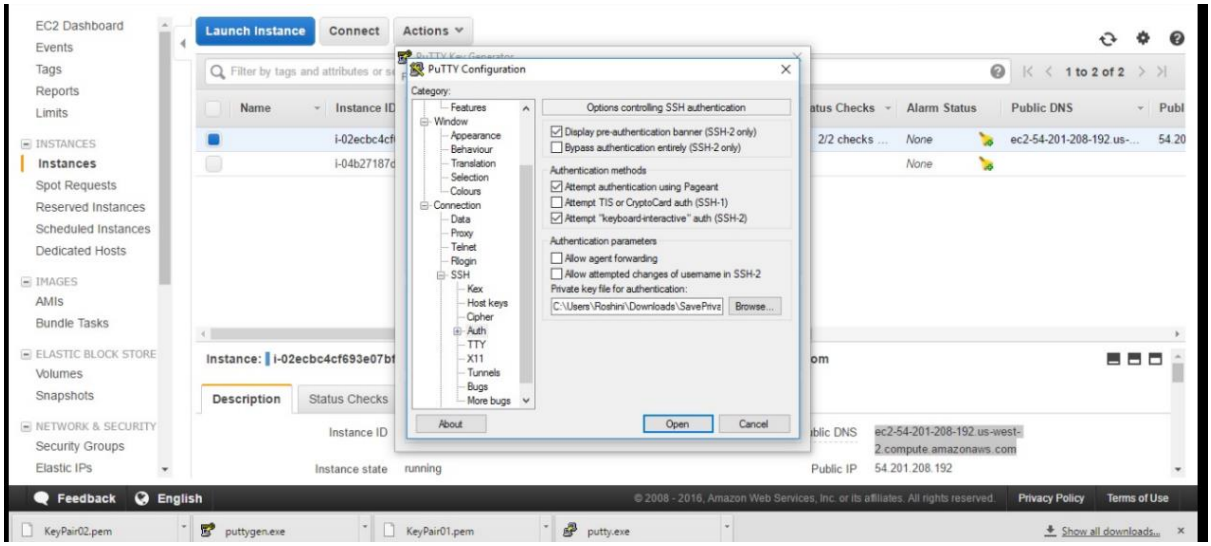
Step 05: View Instances after launching.



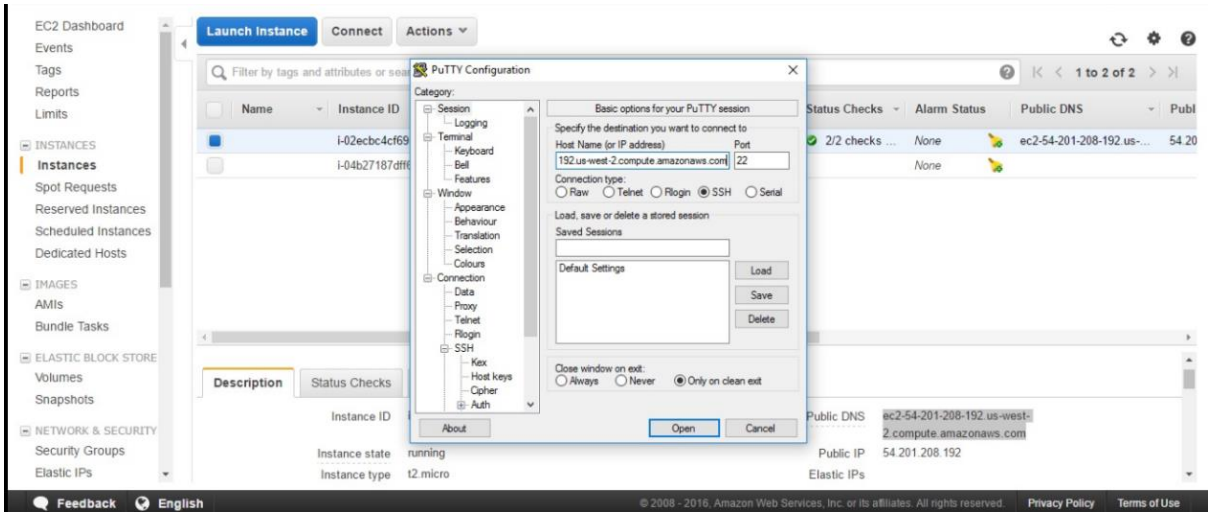
Step 06: Open PUTTY Key Generator. Then browse and load the downloaded key pair file and save it as a private key.



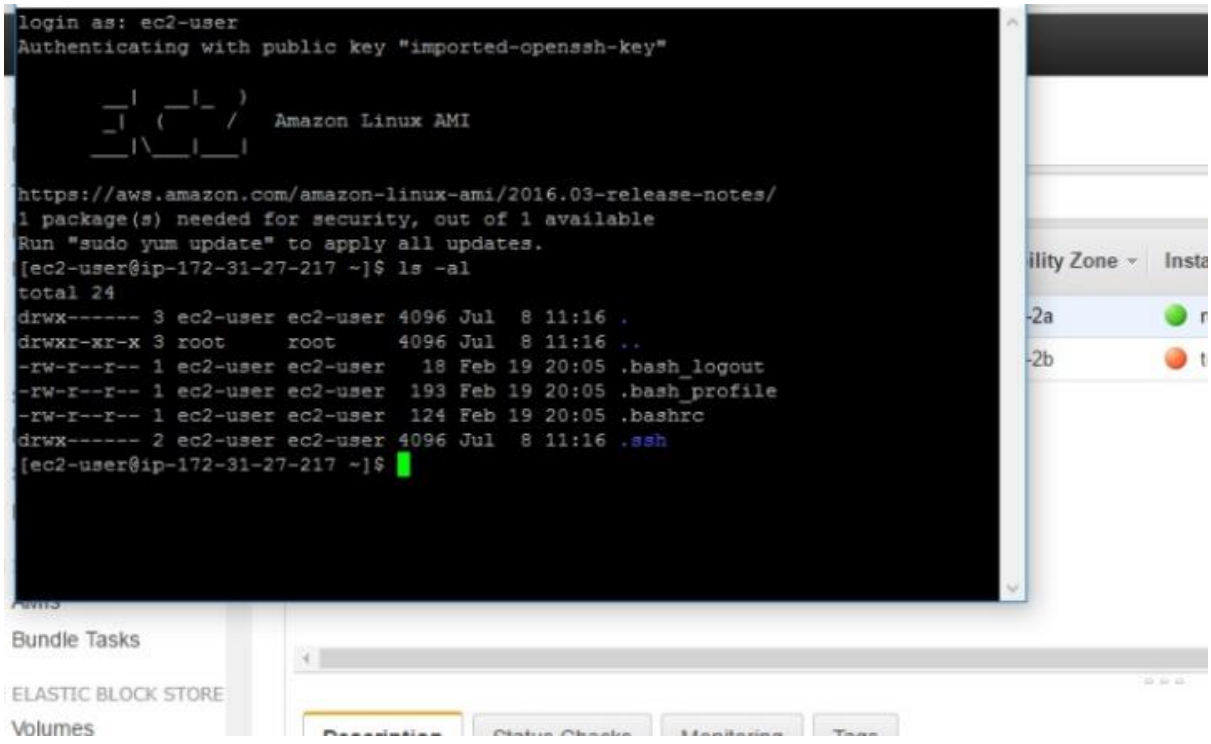
Step 07: Open PUTTY Configuration. Go to Connection category for SSH authentication. (Connection -> SSH -> Auth) Then under authentication parameters browse saved private key and open.



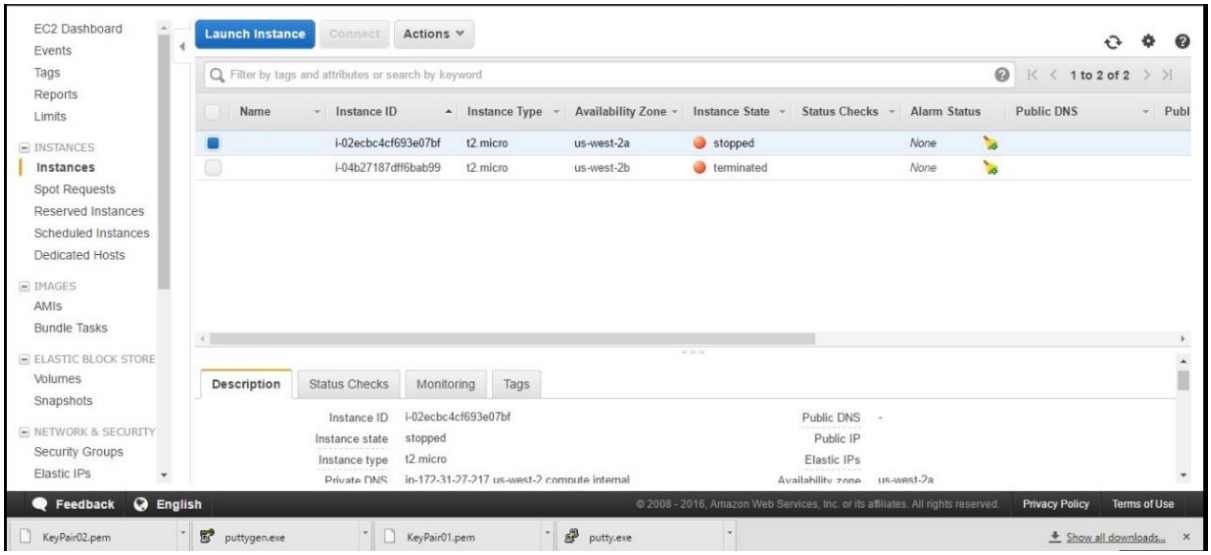
Step 8: Go back to Session category in PUTTY Configuration. Copy the Public DNS of created instance and paste it under Host Name. Set Connection type to SSH and open.



Step 9: Log in to Linux by giving user name in the kernel. (ec2-user). Type some Linux commands to check. (ls -al)



Step 10: Terminate or stop the instance from instance state.(Right click on instance -> Instance State -> Terminate/ Stop).


EC2 Dashboard
Events
Tags
Reports
Limits
INSTANCES
Instances
Spot Requests
Reserved Instances
Scheduled Instances
Dedicated Hosts
IMAGES
AMIs
Bundle Tasks
ELASTIC BLOCK STORE
Volumes
Snapshots
NETWORK & SECURITY
Security Groups
Elastic IPs
Launch Instance
Connect
Actions
Filter by tags and attributes or search by keyword
1 to 2 of 2
Name
Instance ID
Instance Type
Availability Zone
Instance State
Status Checks
Alarm Status
Public DNS
i-02ecbc4cf693e07bf
t2.micro
us-west-2a
stopped
None
i-04b27187dff6bab99
t2.micro
us-west-2b
terminated
None
Description
Status Checks
Monitoring
Tags
Instance ID
i-02ecbc4cf693e07bf
Instance state
stopped
Instance type
t2.micro
Public DNS
Public IP
Elastic IPs
Feedback
English
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