Lab 1 & 2

Getting Started with Amazon EC2 Windows Instances

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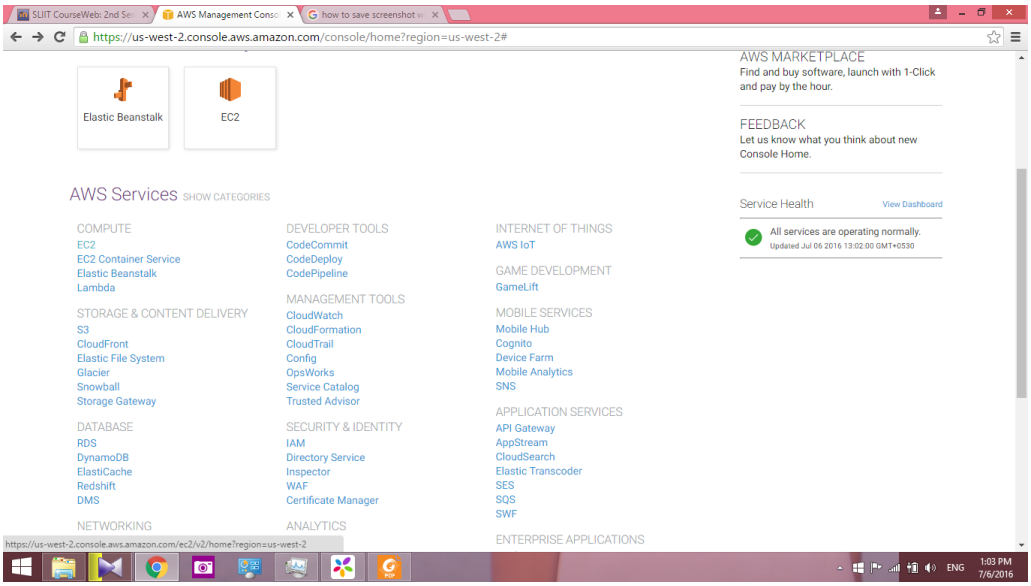
IT13 0378 02

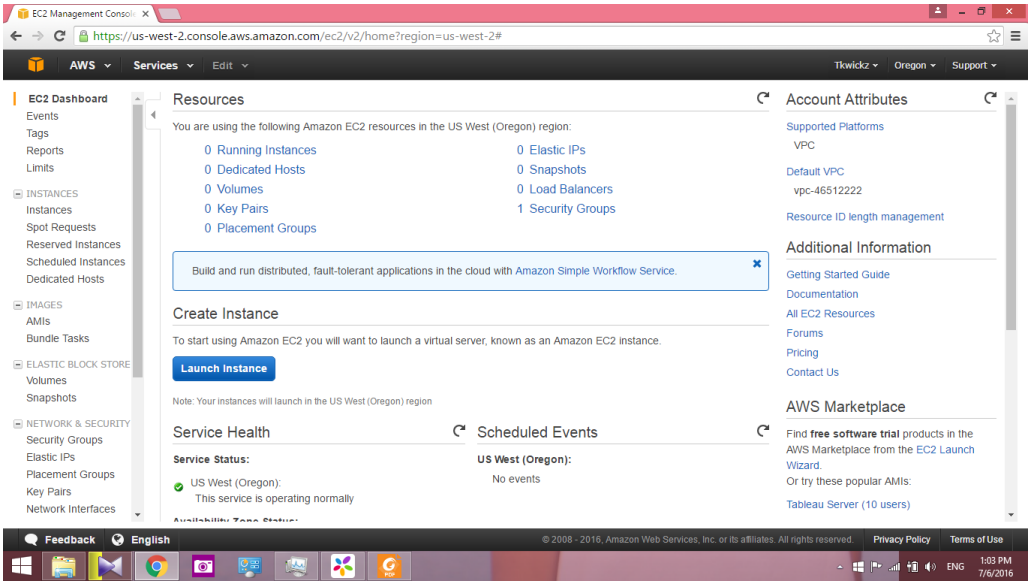
Weekdays

Log in to the AWS using your username and password. (For that it is needed an account AWS services)

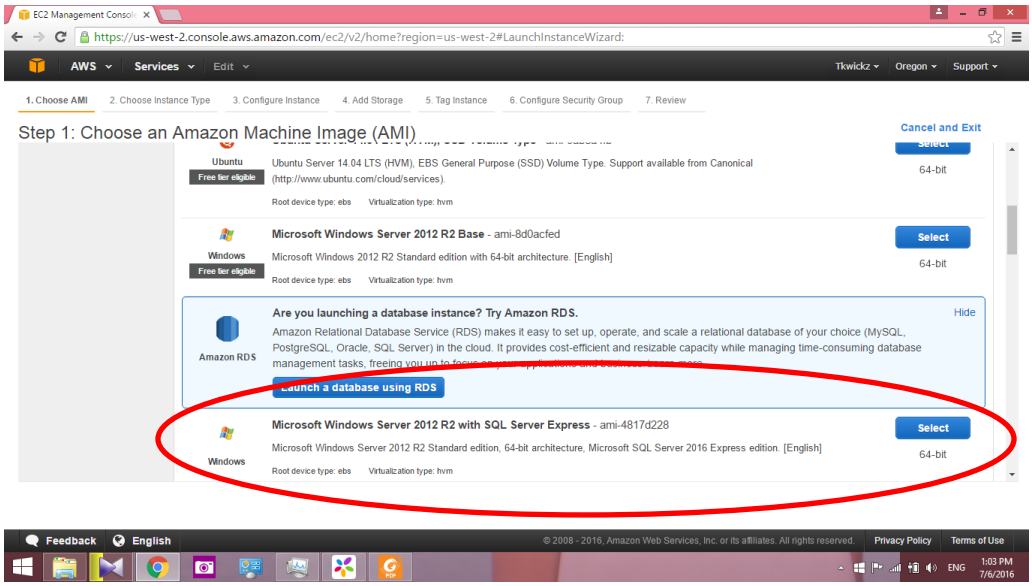
1. There select EC2



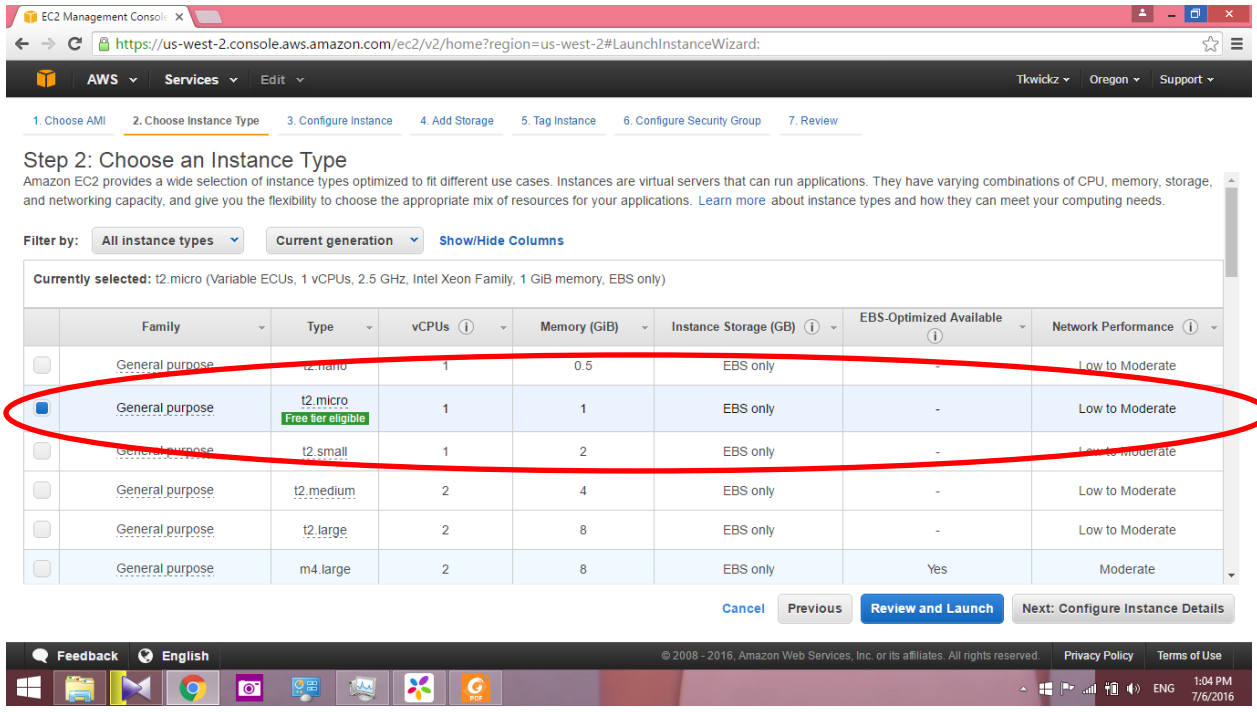
2. There click “**Launch Instance**”



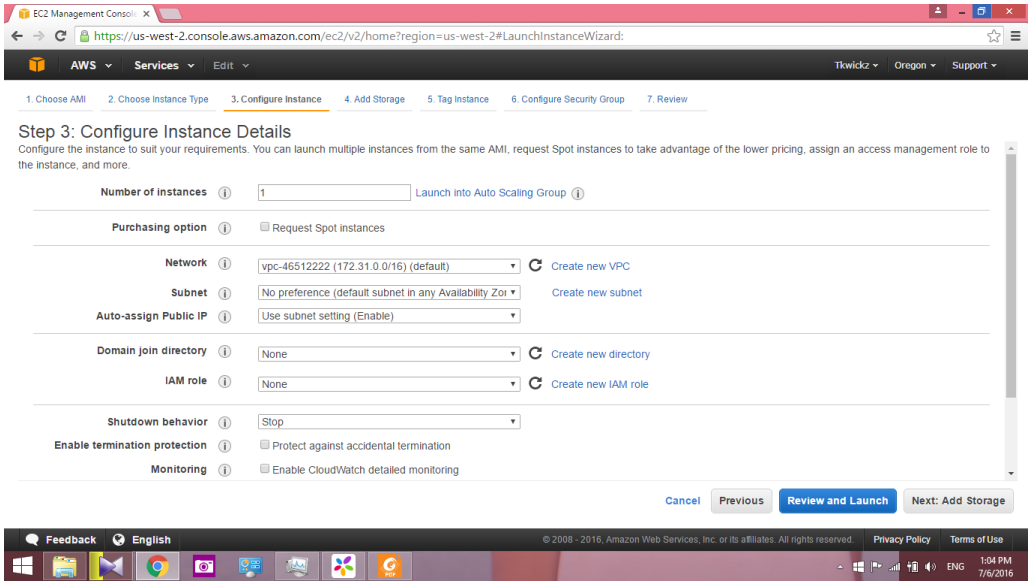
3. Since we want to create windows instance select below option(Microsoft windows Server 2012 R2 with SQL Server Express)



4. Select below option then click "**Next**" to configure instance details.

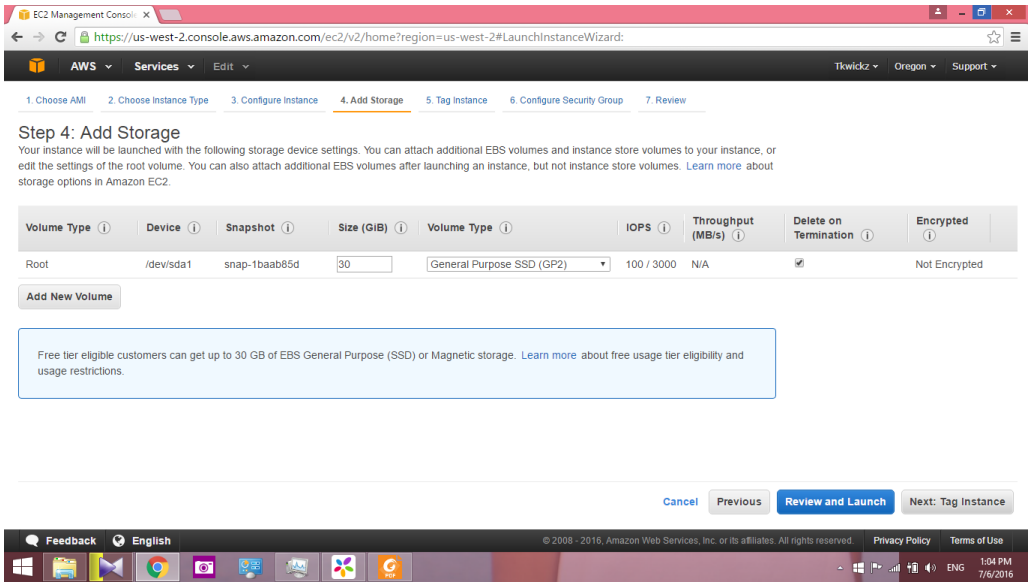


5.Here keep the default settings and click “**Next”** to add a storage.

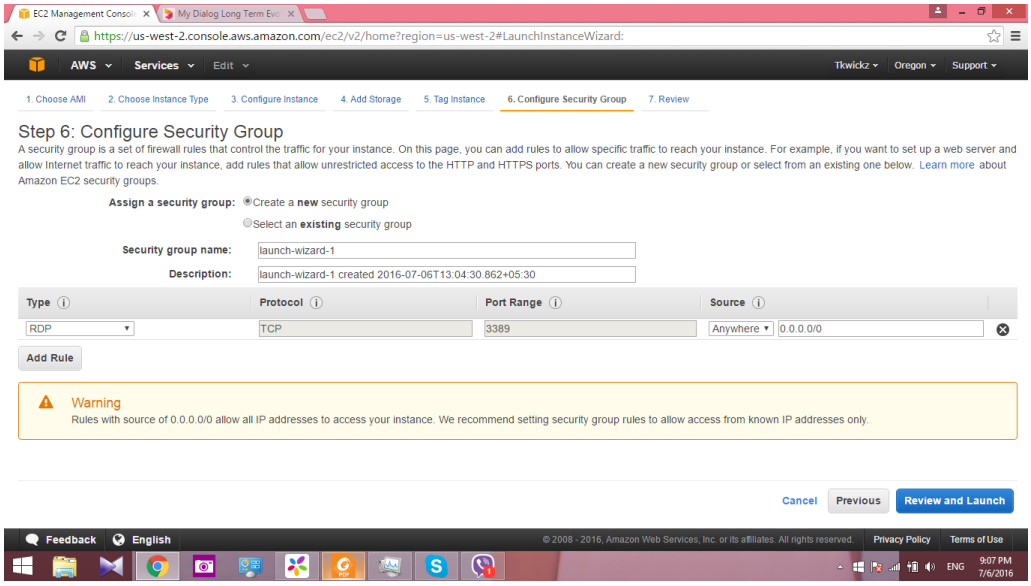


6. Although here we use default settings with a storage size of 30GB we can add more by clicking “Add New Volume”.

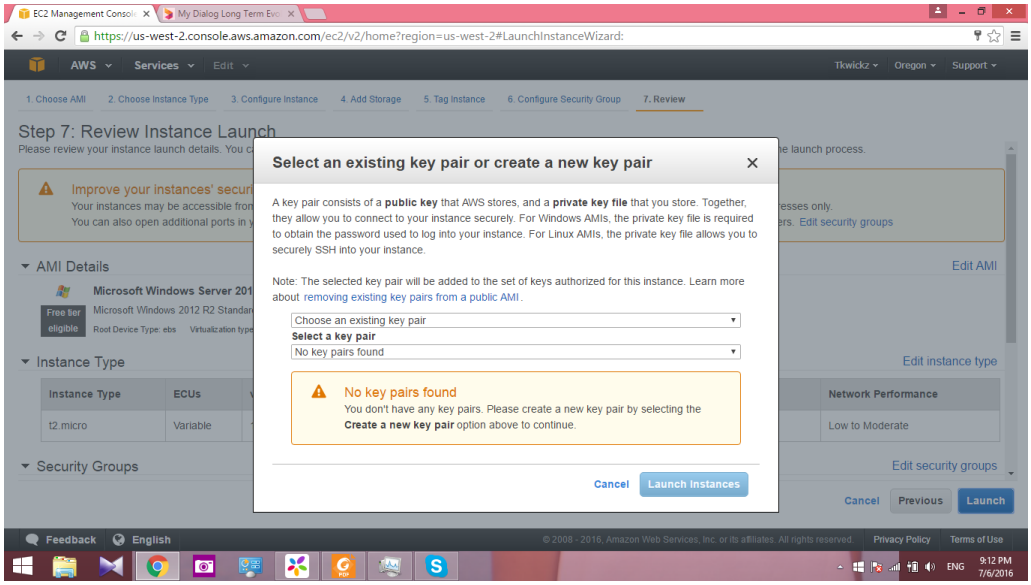
Now click “**Review and Launch**” to proceed.



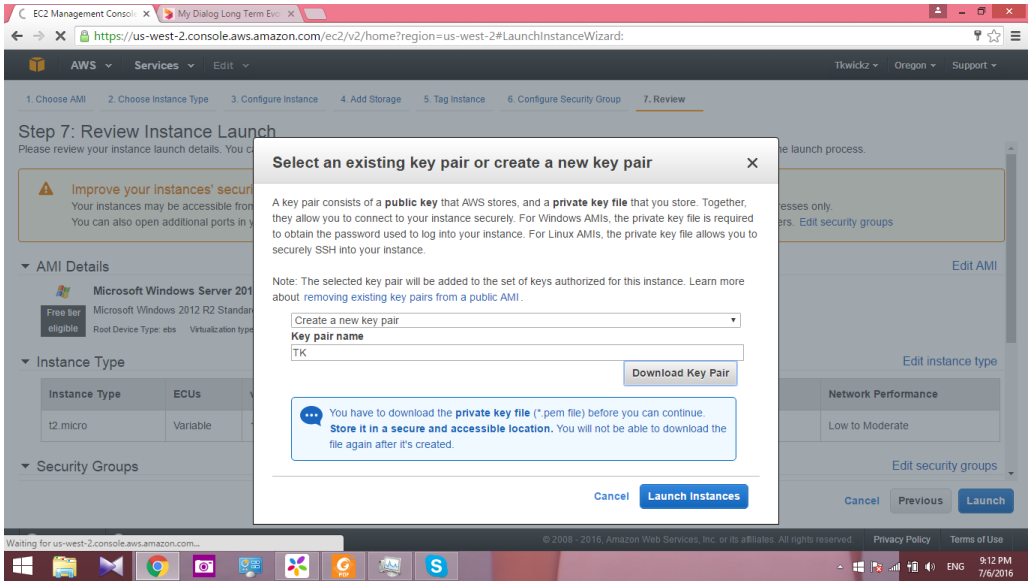
7. We can add a new security group or select existing security group. Here we use default one and click "**Review and Launch**"



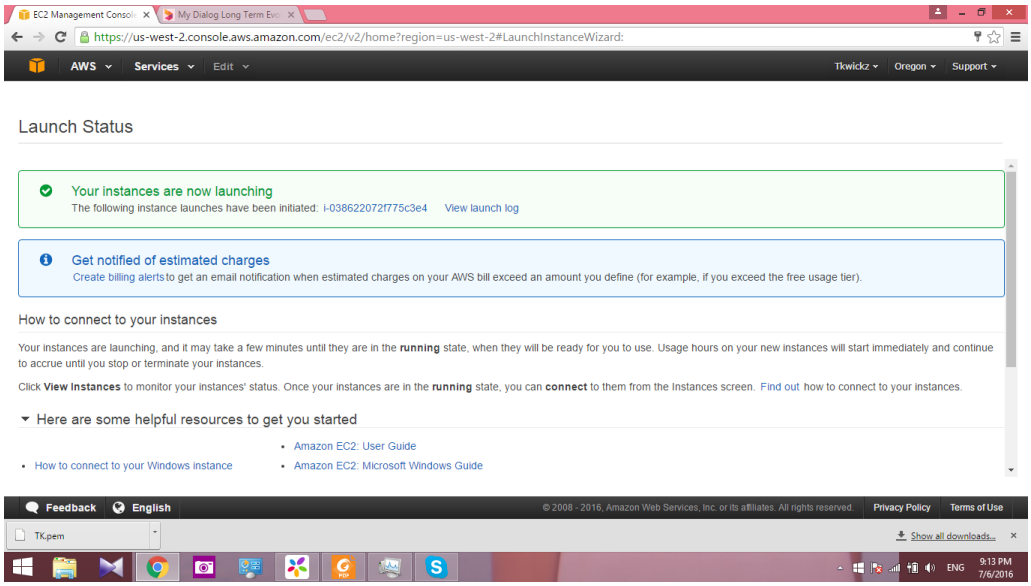
8.This window will be appeared



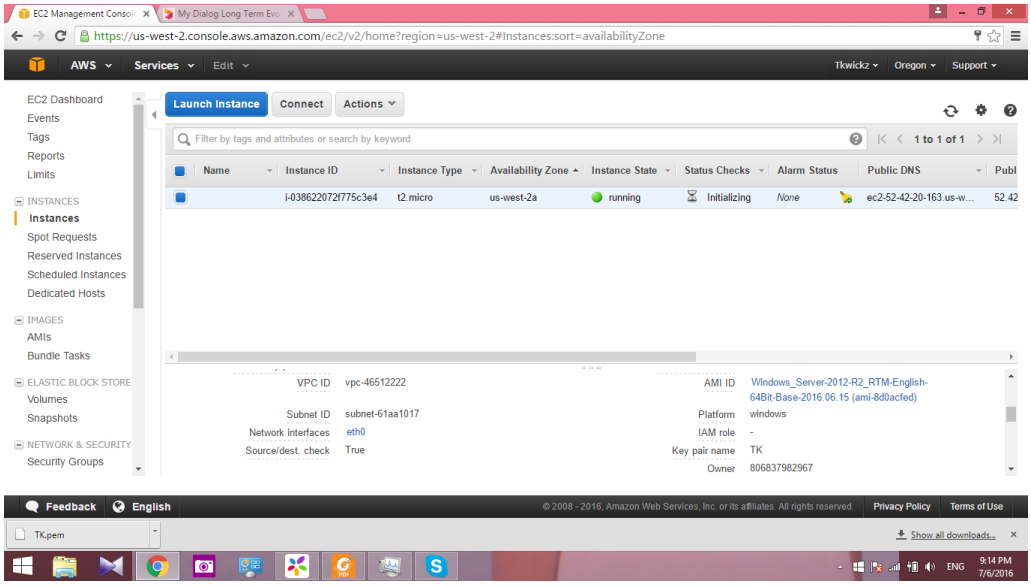
9. Select “**Create a new key pair”** and give a name to a key pair and click “**Download Key Pair**”. Once the download is completed click on “**Launch instance**”.



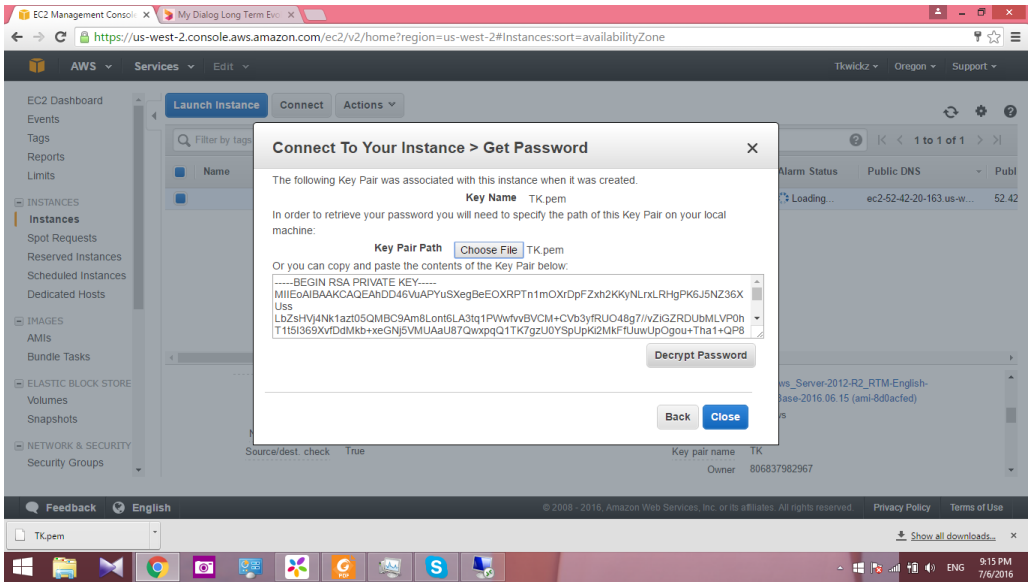
10. Then this window will be appeared. From below of the page there is a button “**View Instance**” clicks on it.



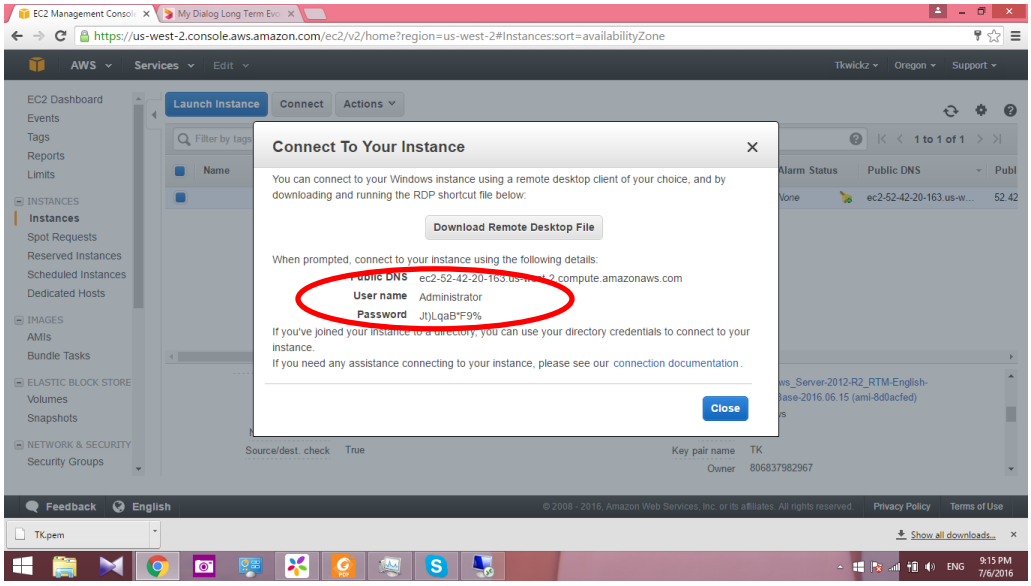
11. Now the instance has created. Then we should connect to the server. Click on "**Connect**"



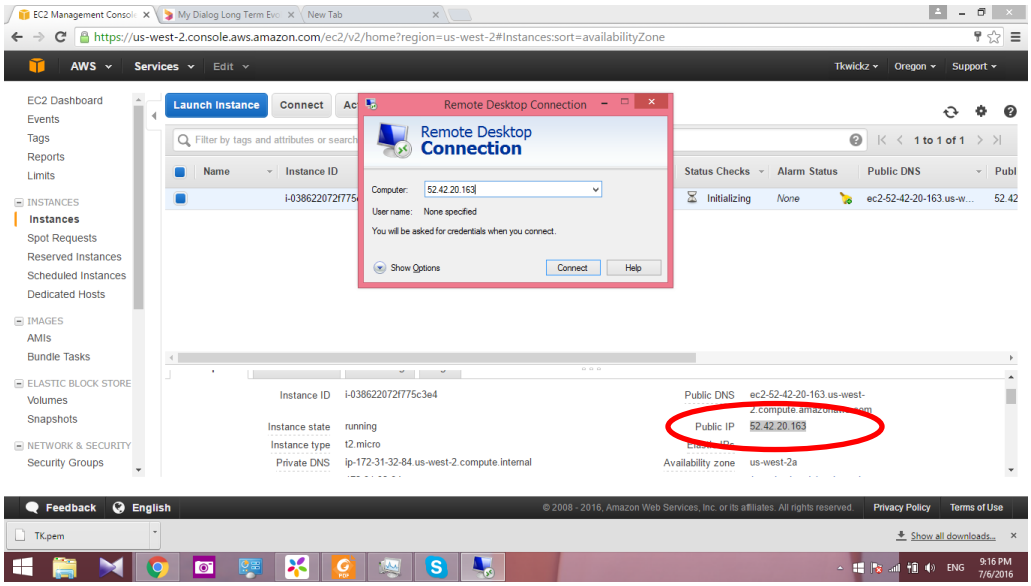
12. This window will be appeared. Select key pair file path from where you download it. It is saved with "**.pem**" extension. Now click "**Decrypt Password"**.



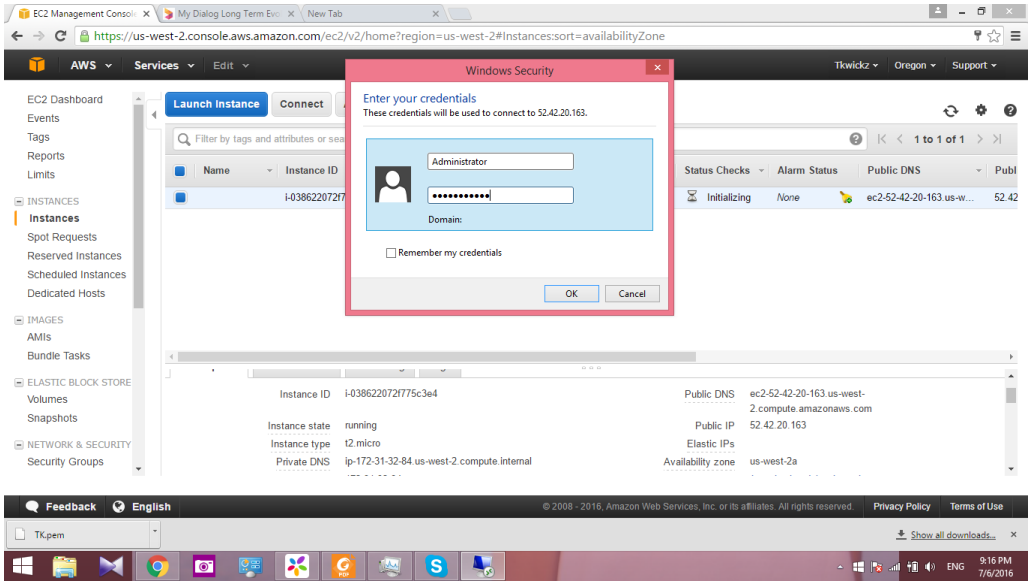
13. Here's the username and password that we have to use later. Clicks on "**Close**".



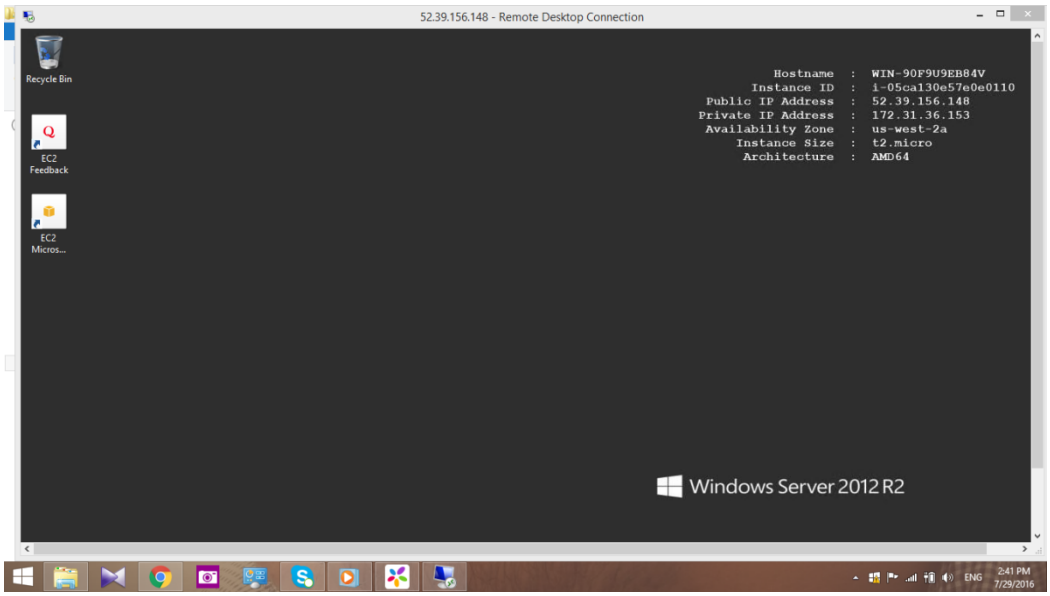
14. Open Remote Desktop Connection and enter the public IP.



15. Put username and the password and click “**OK**”

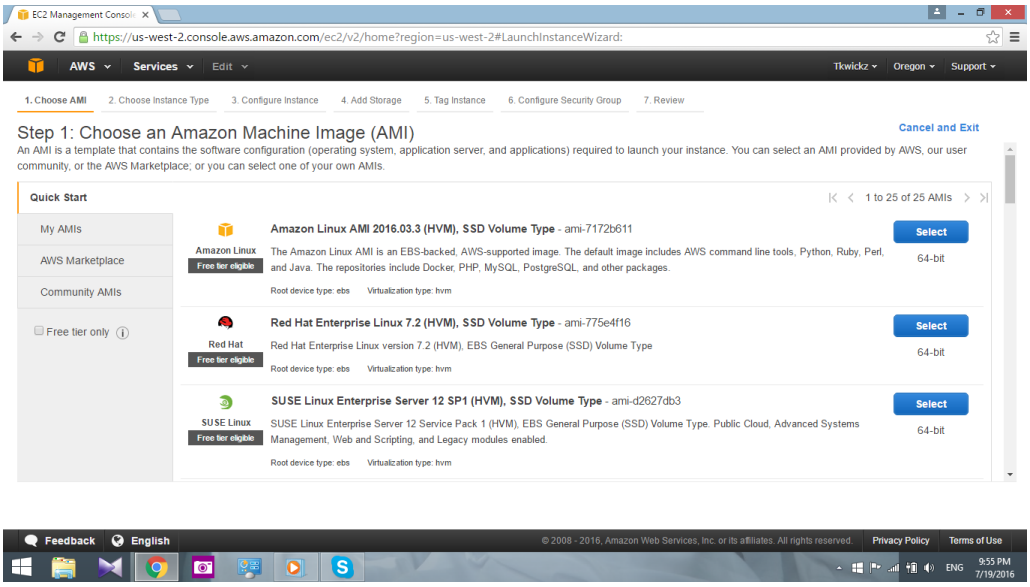


16. finally remote desktop will be appeared.

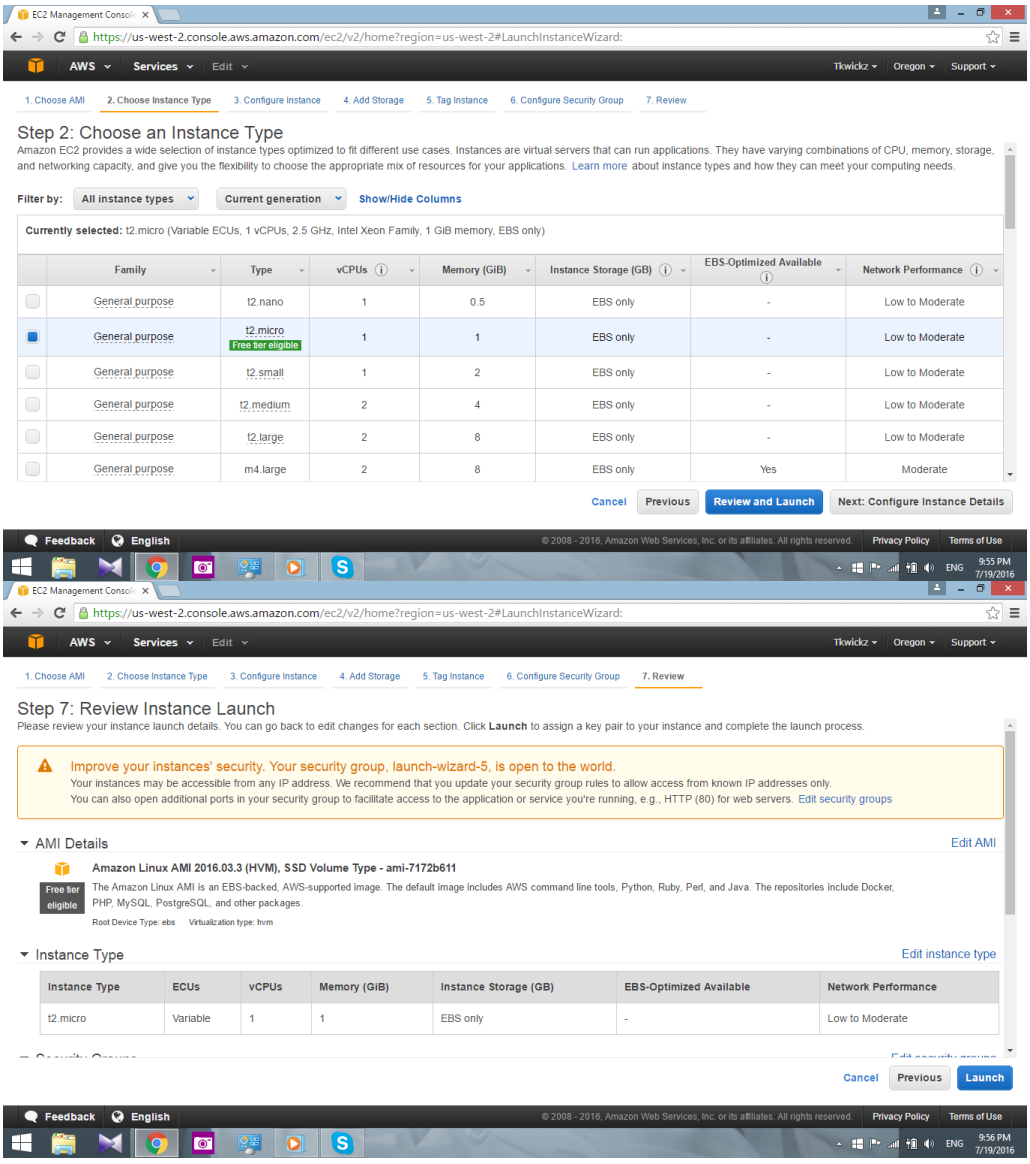


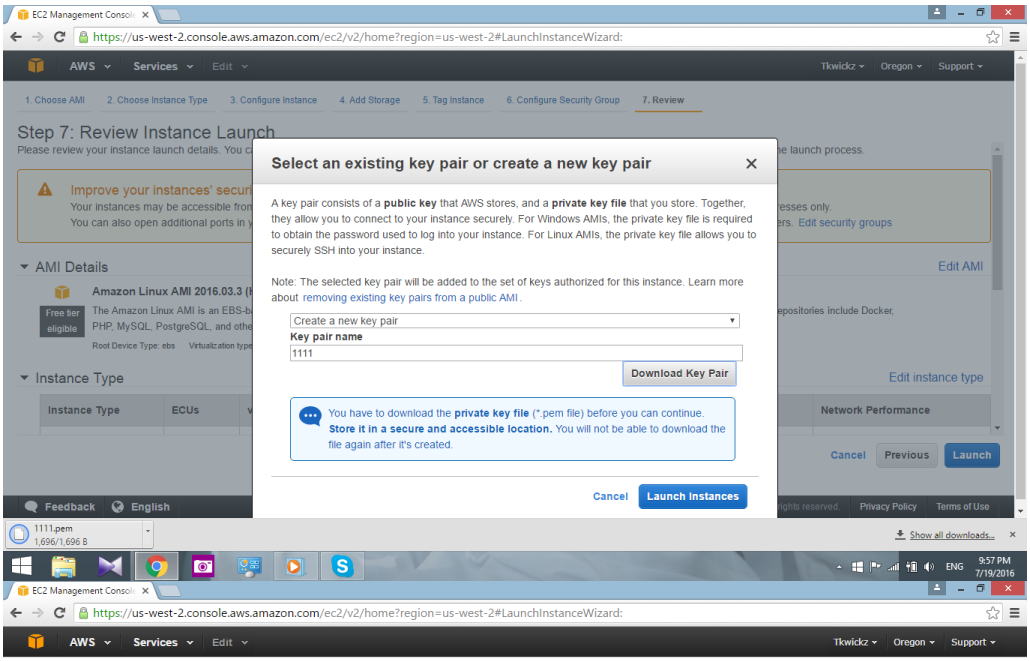
To create a linux instance

1. Select amazon linux option

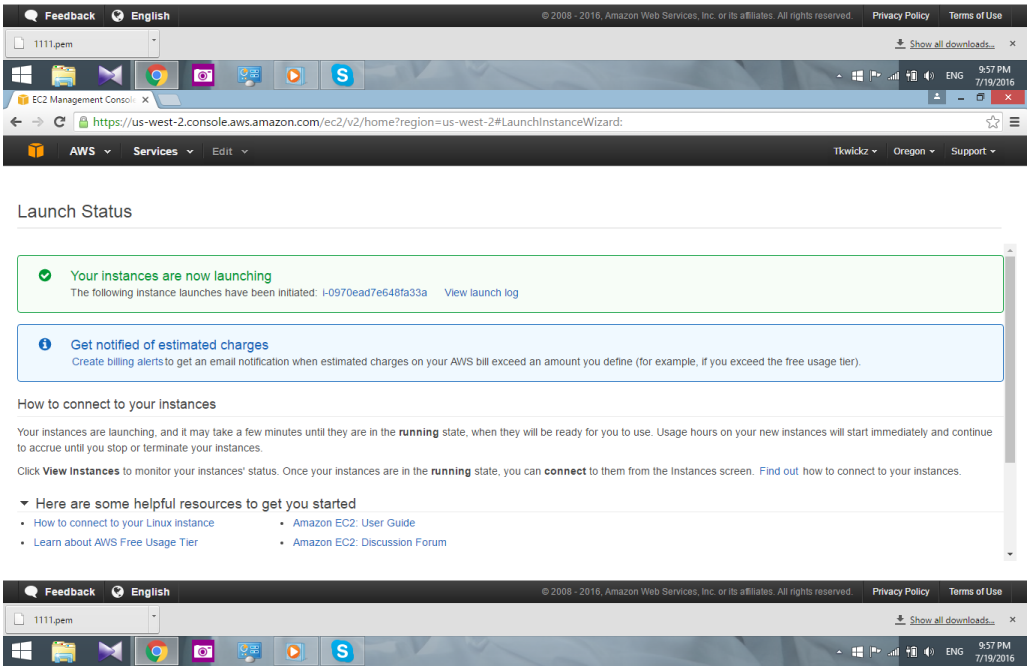


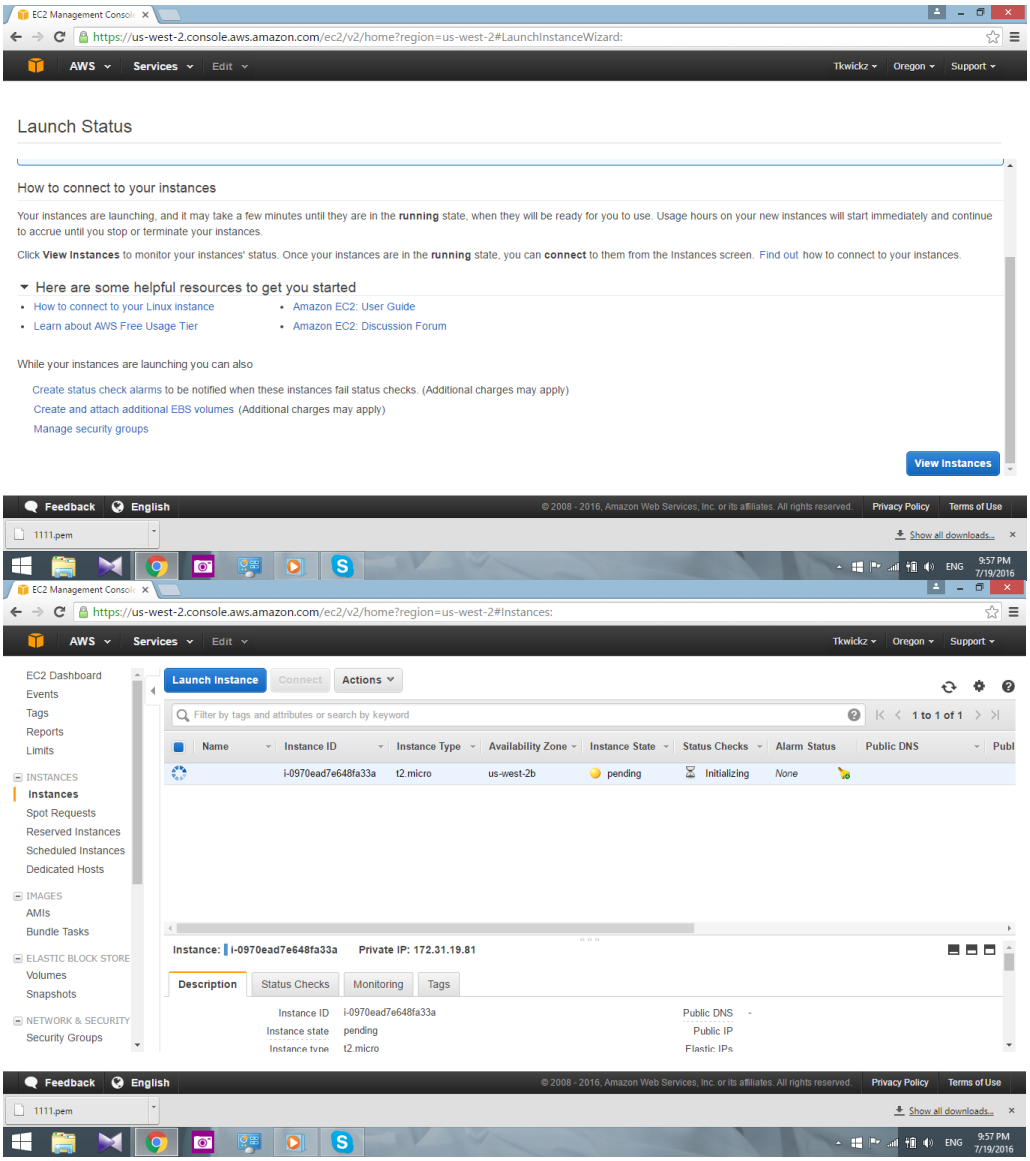
2. Follow below step as before



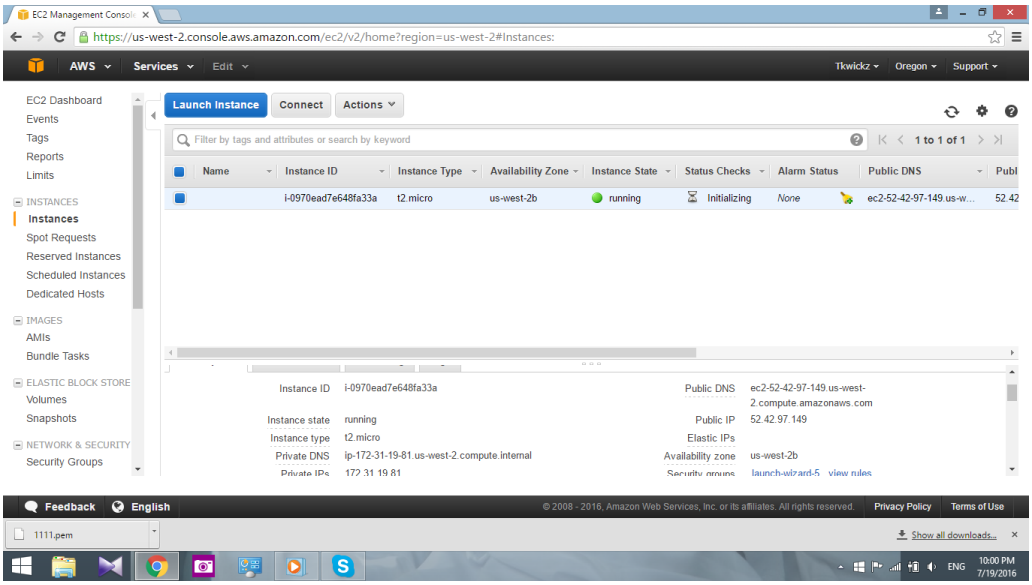

Select an existing key pair or create a new key pair
A key pair consists of a public key that AWS stores, and a private key file that you store. Together, they allow you to connect to your instance securely. For Windows AMIs, the private key file is required to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you to securely SSH into your instance.
Note: The selected key pair will be added to the set of keys authorized for this instance. Learn more about removing existing key pairs from a public AMI.
Create a new key pair
Key pair name
1111
Download Key Pair
You have to download the private key file (*.pem file) before you can continue. Store it in a secure and accessible location. You will not be able to download the file again after it's created.
Cancel
Launch Instances

Launch Status
Initiating Instance Launches
Please do not close your browser while this is loading
Creating security groups...

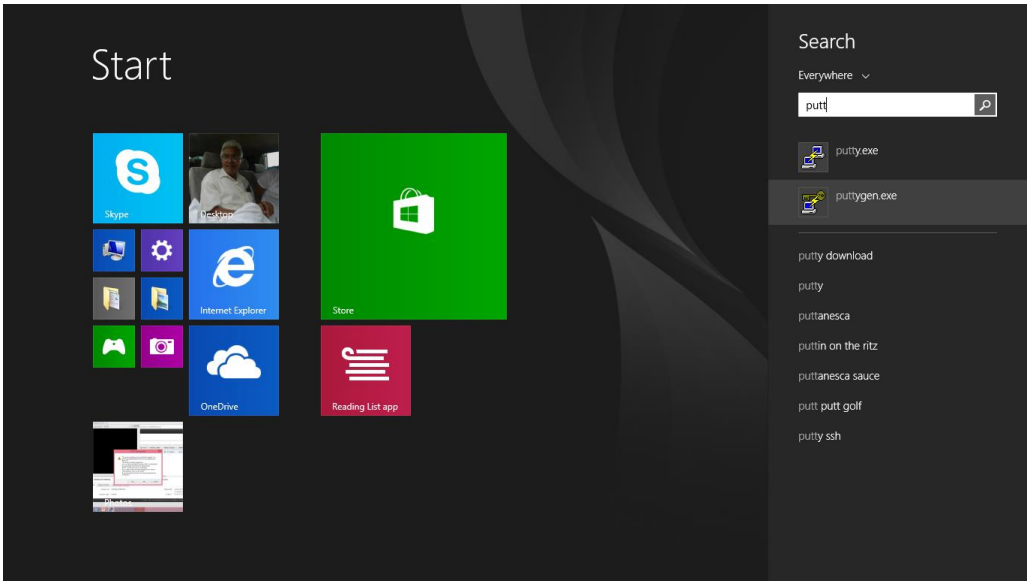

Launch Status
Your instances are now launching
The following instance launches have been initiated: i-0970ead7e648fa33a View launch log
Get notified of estimated charges
Create billing alerts to get an email notification when estimated charges on your AWS bill exceed an amount you define (for example, if you exceed the free usage tier).
How to connect to your instances
Your instances are launching, and it may take a few minutes until they are in the running state, when they will be ready for you to use. Usage hours on your new instances will start immediately and continue to accrue until you stop or terminate your instances.
Click View Instances to monitor your instances' status. Once your instances are in the running state, you can connect to them from the Instances screen. Find out how to connect to your instances.
Here are some helpful resources to get you started
How to connect to your Linux instance
Learn about AWS Free Usage Tier
Amazon EC2: User Guide
Amazon EC2: Discussion Forum

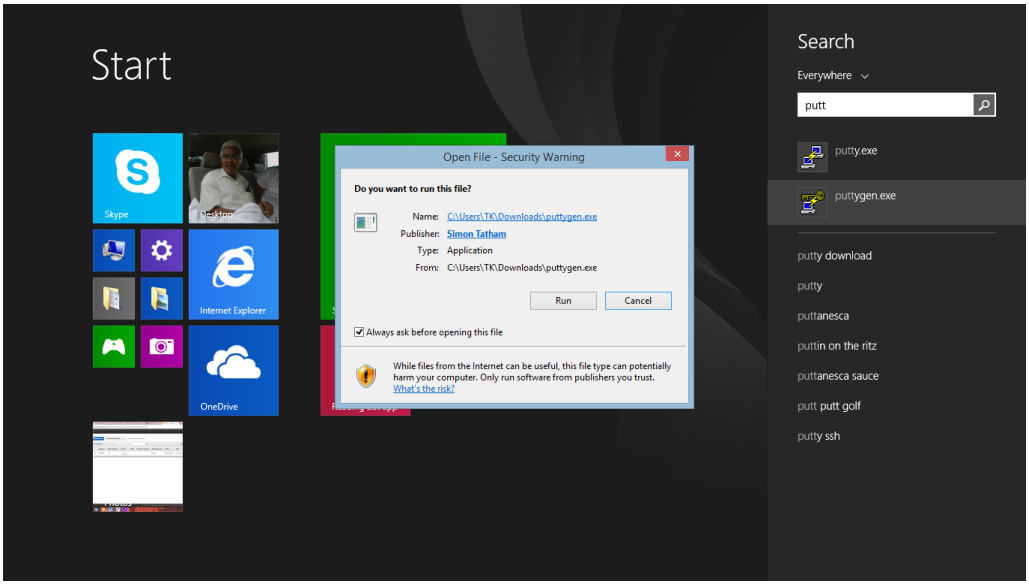


3. Now linux instance has created.

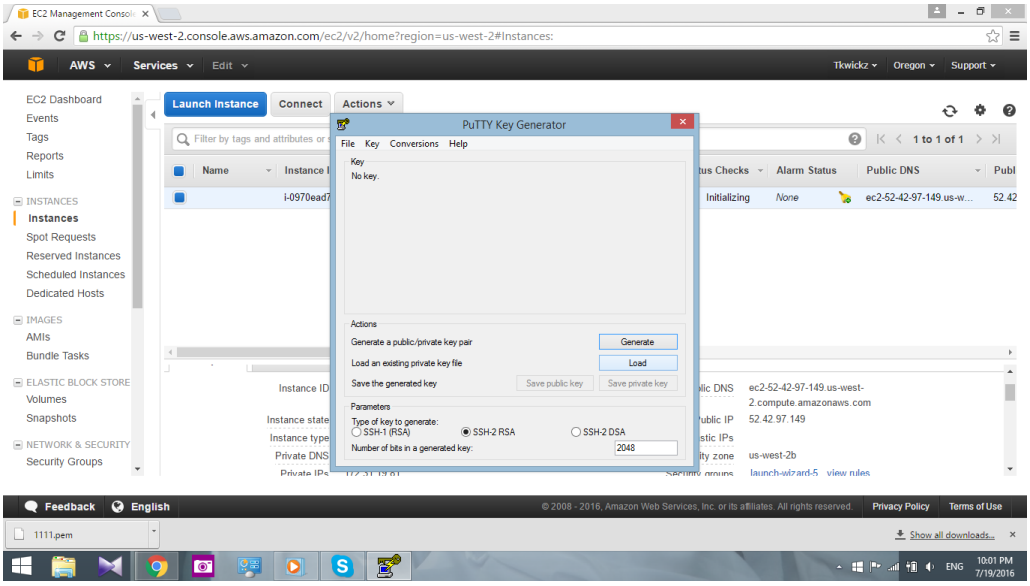


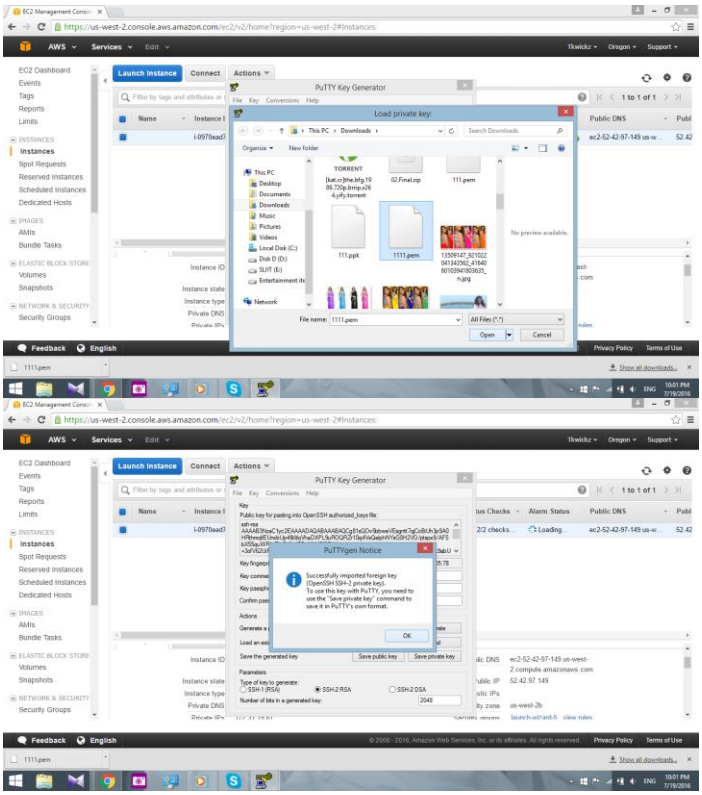
4. Now download the puttygen.exe and putty in order to connect to the instance.



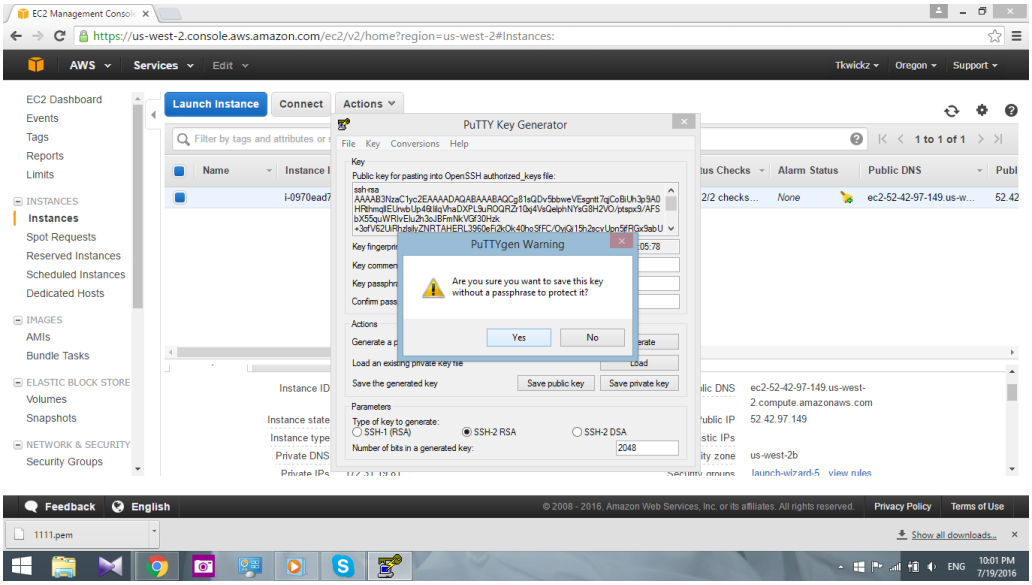


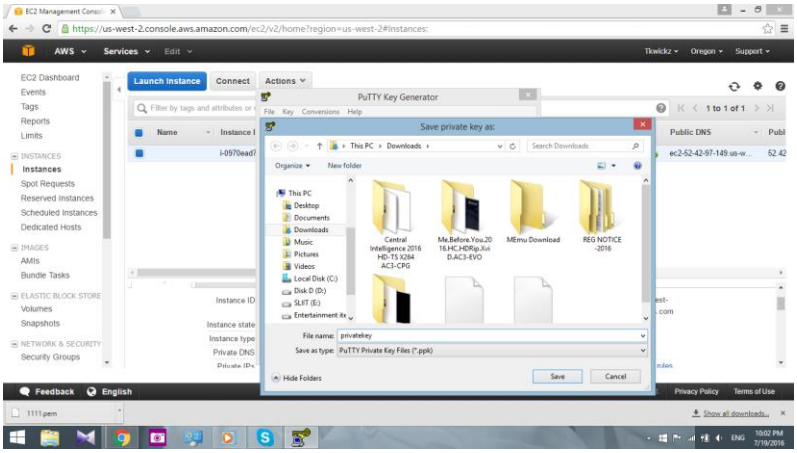
5. Load the .pem file to the puttygen



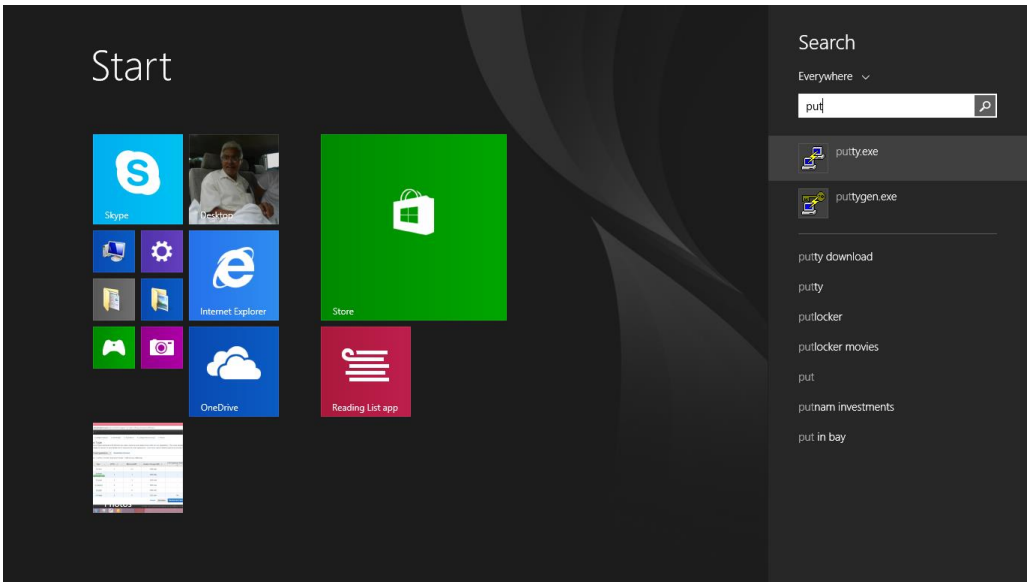


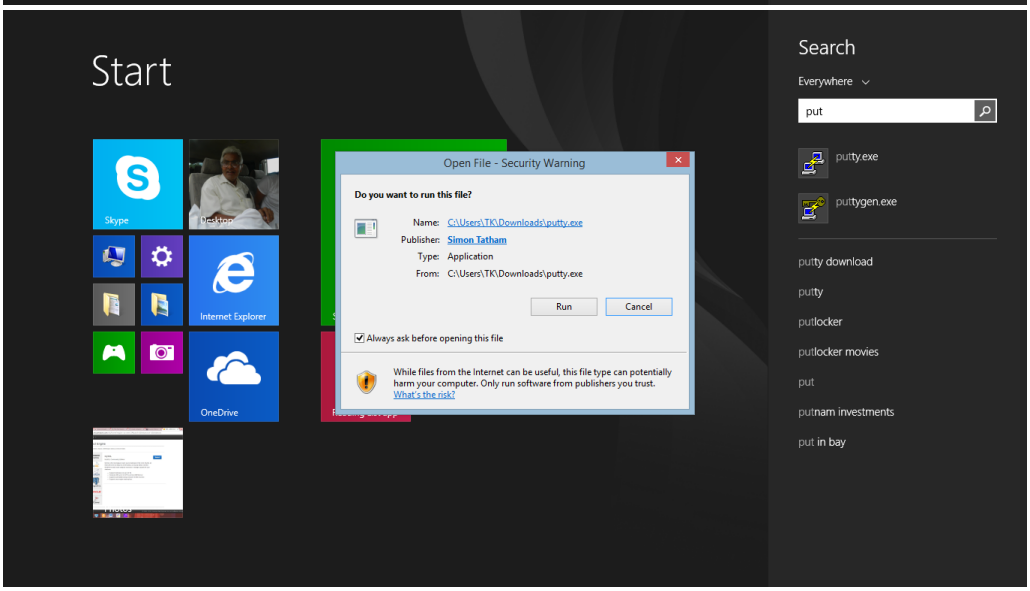
6. And save the private key



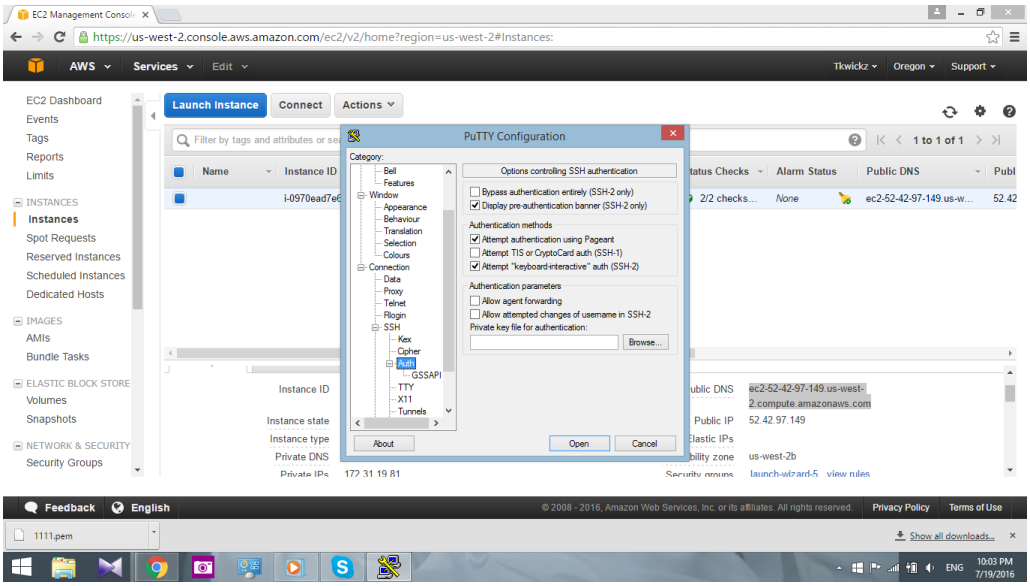


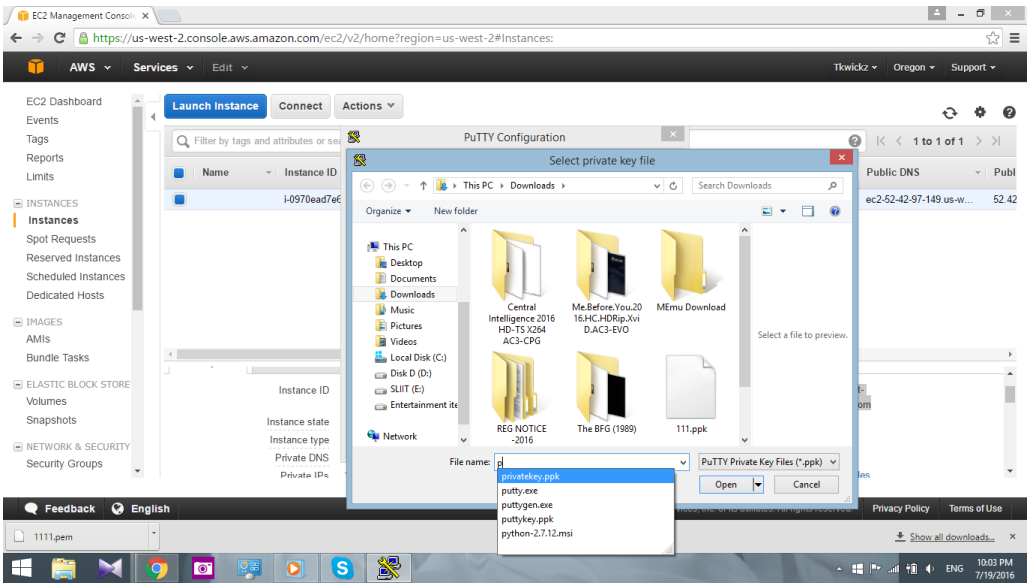
7. Now run putty.exe



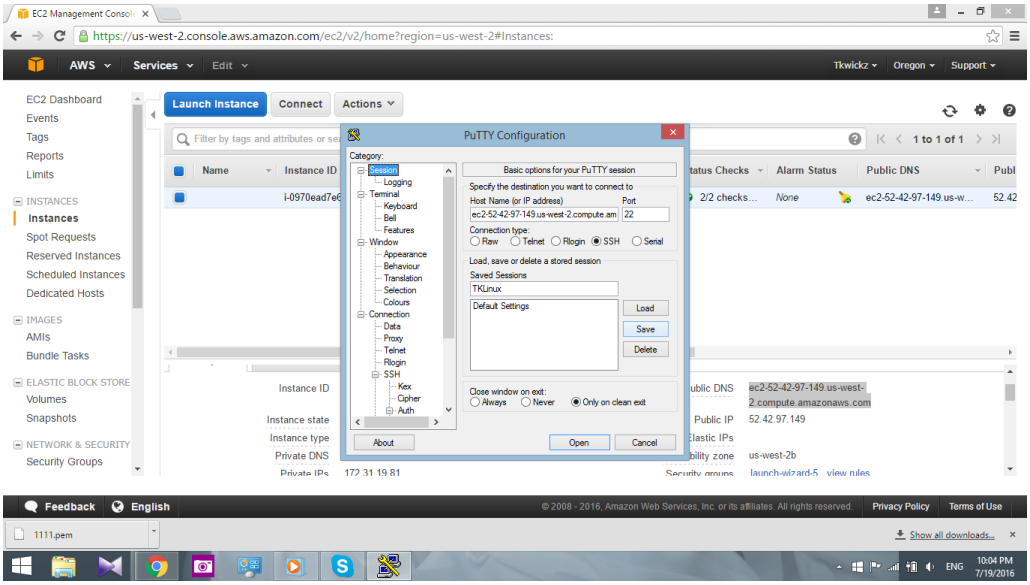


8. There go to ‘Connection’ → ‘SSH’ → ‘Auth’. There “Browse ” the location of the privatekey and select it.

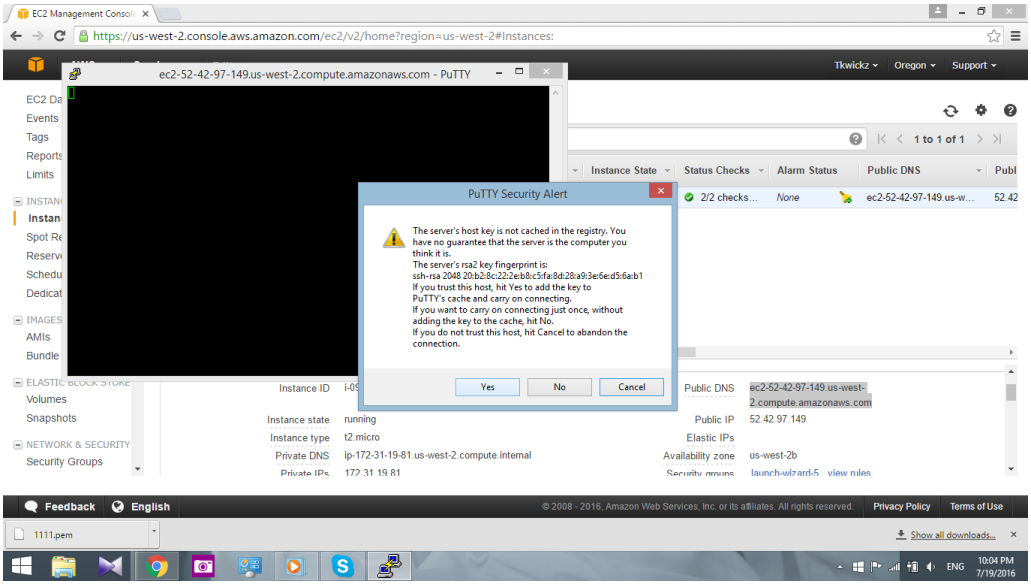


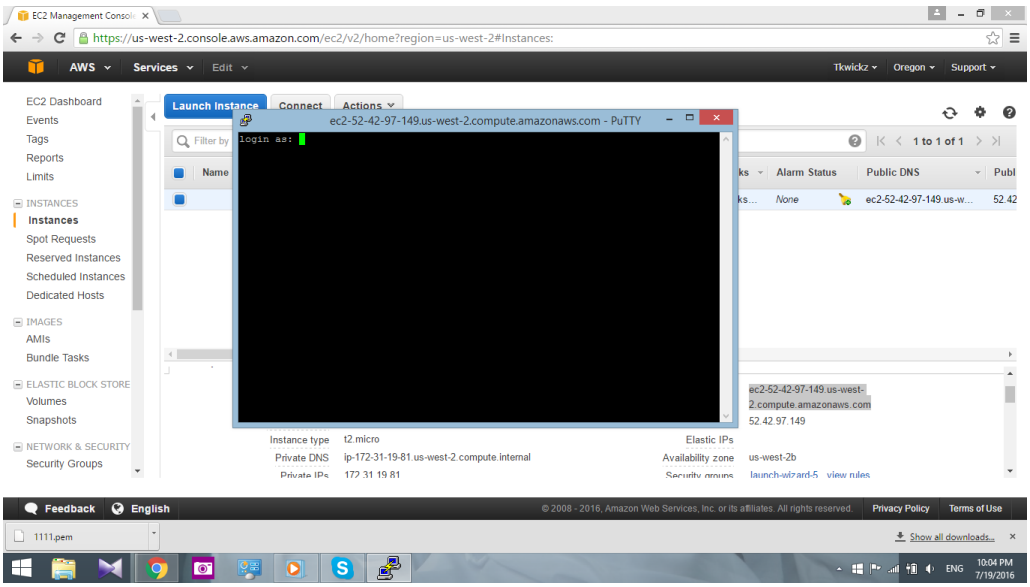


9. Then go to ‘Session’ and save it then click “**Open**”.

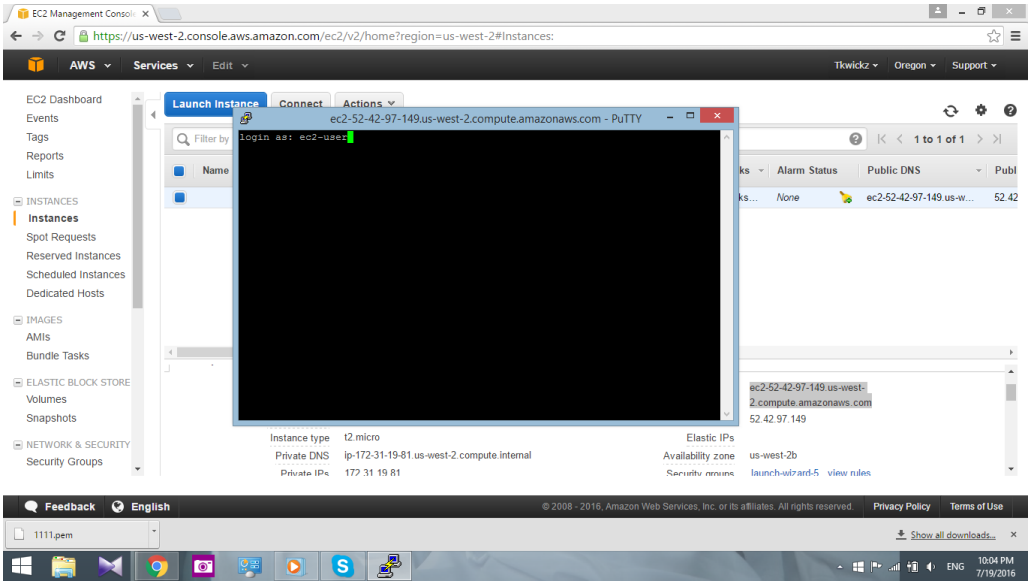


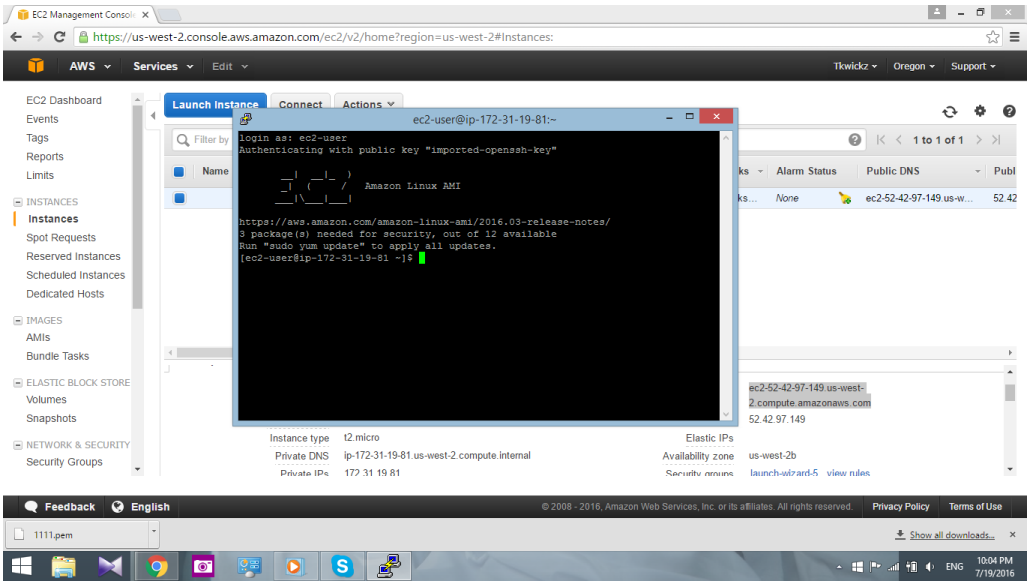
10. Finally this window will open.





11. Now we can log in as ec2-user




EC2 Management Console
https://us-west-2.console.aws.amazon.com/ec2/v2/home?region=us-west-2#Instances:
AWS
Services
Edit
Tkwickz
Oregon
Support
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
Launch Instance
Connect
Actions
Filter by
1 to 1 of 1
Name
Alarm Status
Public DNS
None
ec2-52-42-97-149.us-w...
ec2-user@ip-172-31-19-81:~
login as: ec2-user
Authenticating with public key "imported-openssh-key"
Amazon Linux AMI
https://aws.amazon.com/amazon-linux-ami/2016.03-release-notes/
3 package(s) needed for security, out of 12 available
Run "sudo yum update" to apply all updates.
[ec2-user@ip-172-31-19-81 ~]$
Instance type
t2.micro
Private DNS
ip-172-31-19-81.us-west-2.compute.internal
Elastic IPs
Availability zone
us-west-2b
ec2-52-42-97-149.us-west-2.compute.amazonaws.com
52.42.97.149
Feedback
English
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ENG
10:04 PM
7/19/2016