



# **Configuring Windows and Linux Server On AWS**

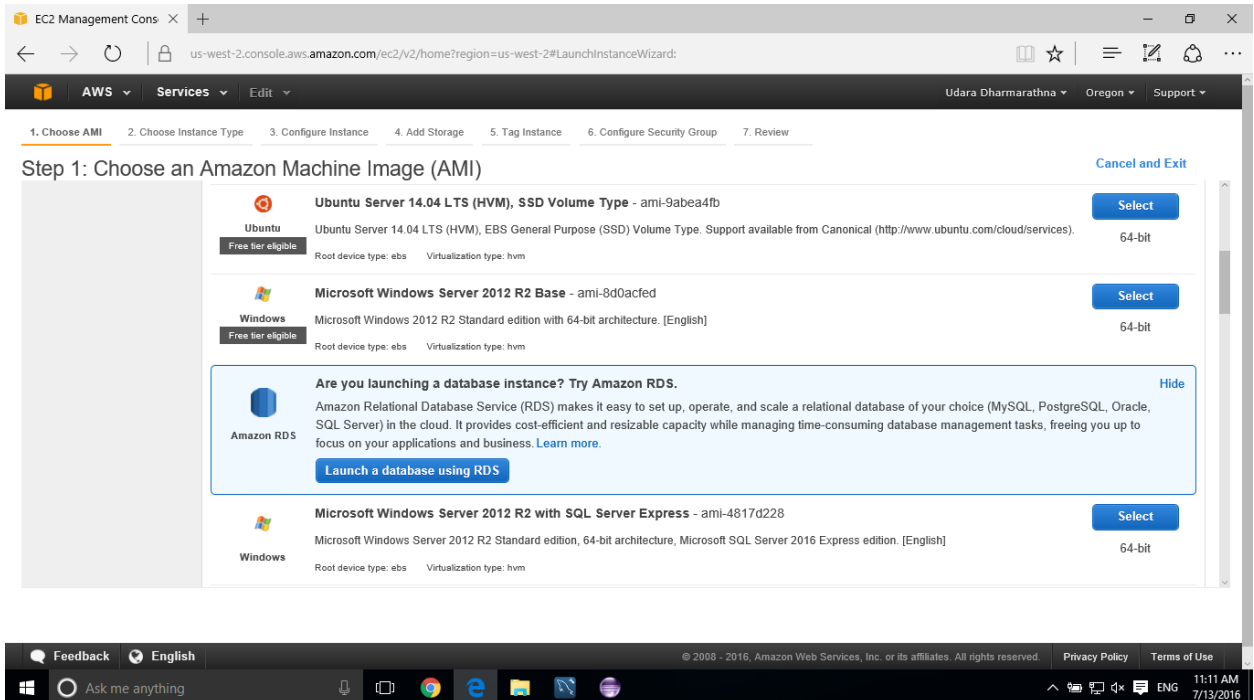
## **ESBP II Lab Assignment 1**

Dharmarathna I.D.U.T.

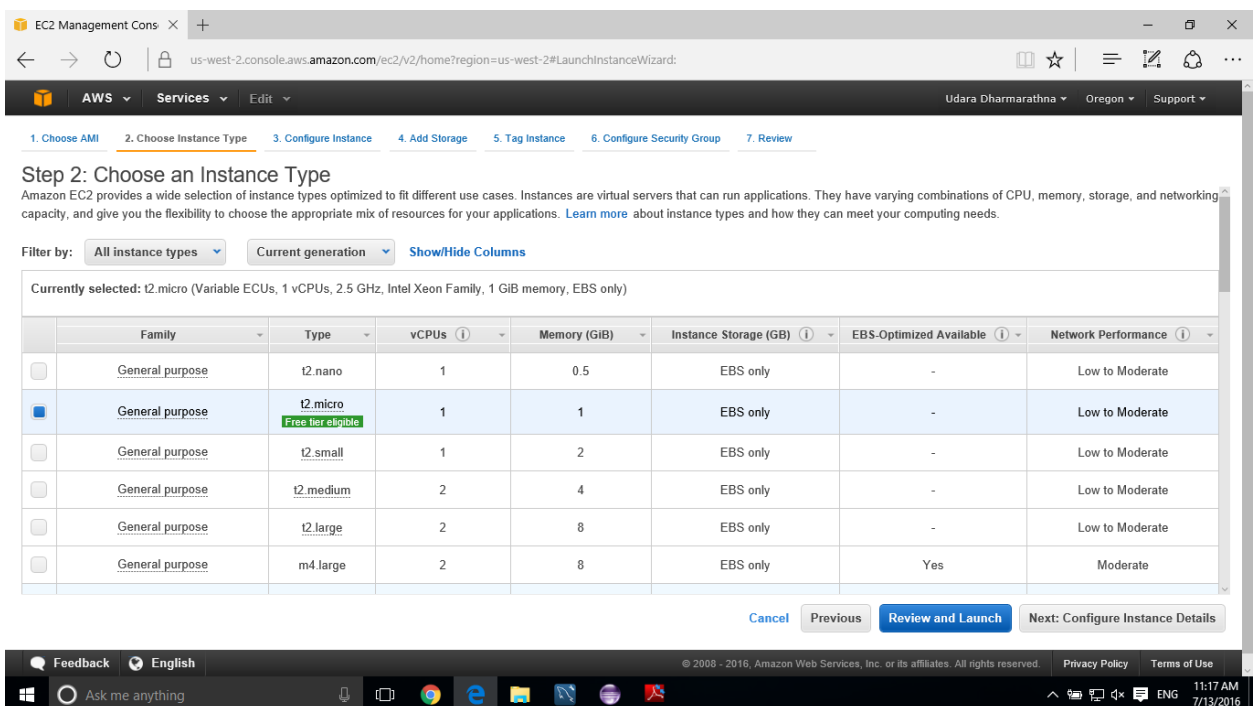
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## Windows

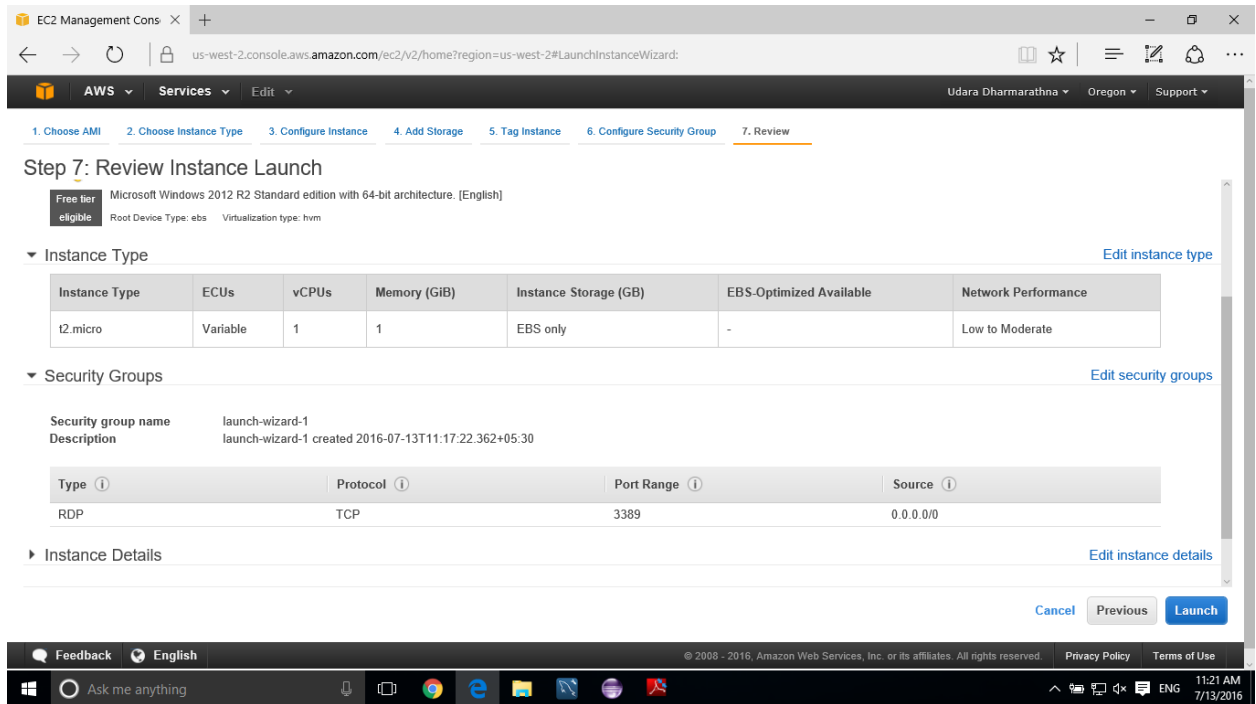
- Click “Launch Instance” button in EC2 dashboard to create a new Windows Instance. Then you can see the following interface. In this interface you should select the “Microsoft Windows Server 2012 R2 Base”.



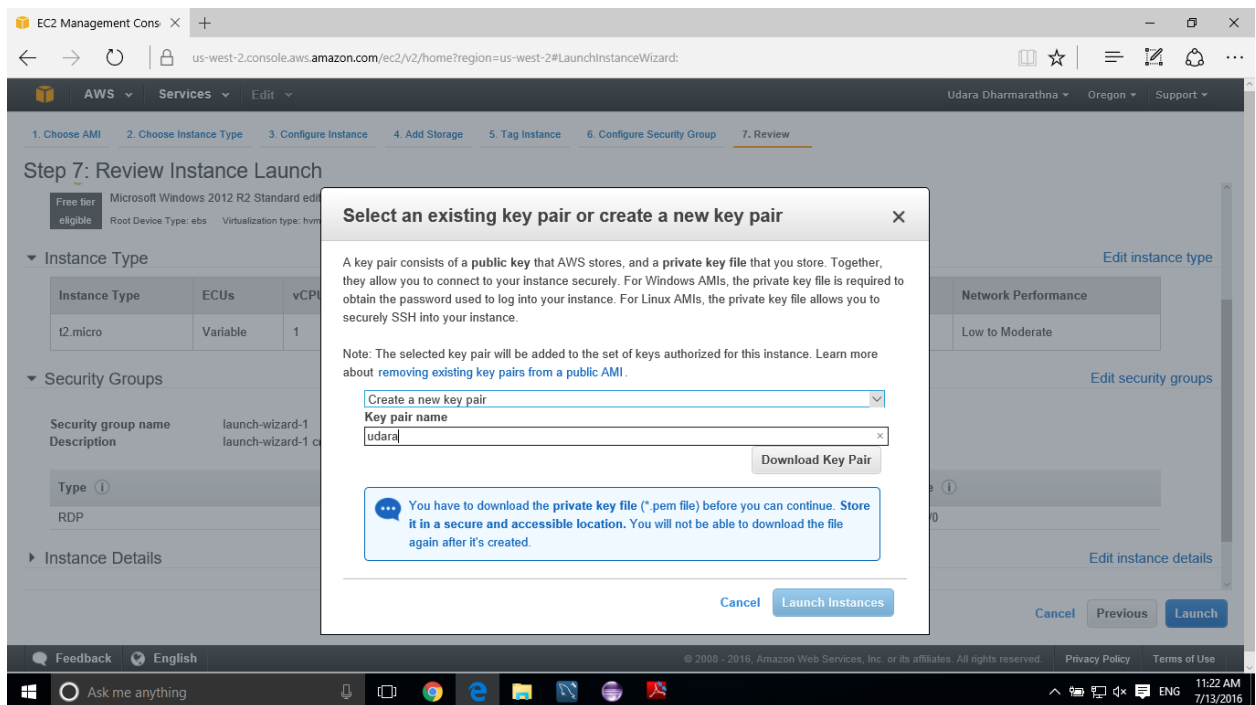
- Click “Review and Launch”.



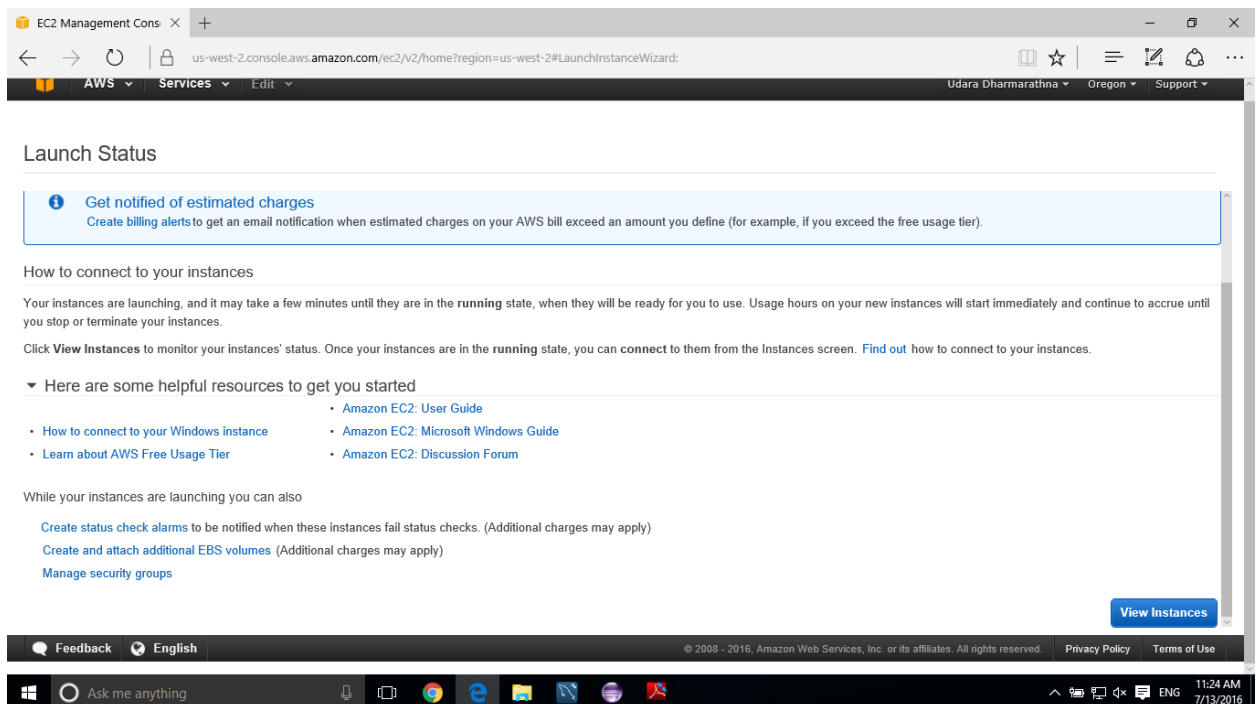
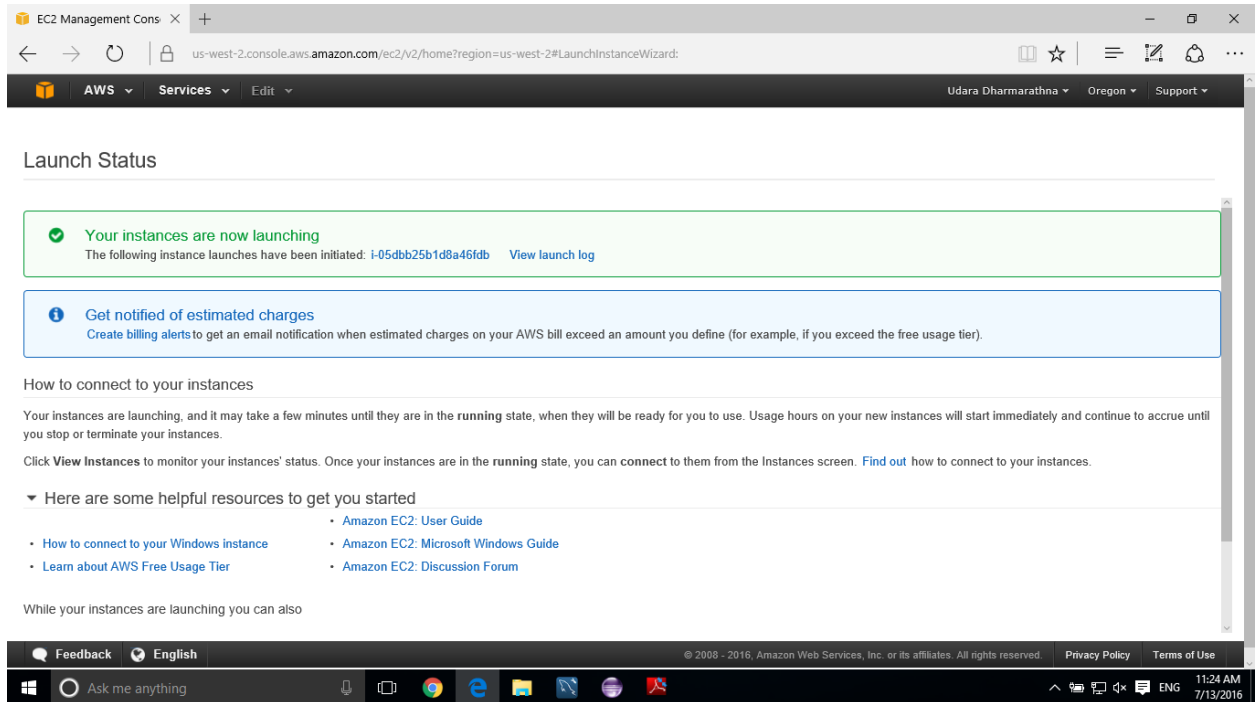
➤ Click “Launch”



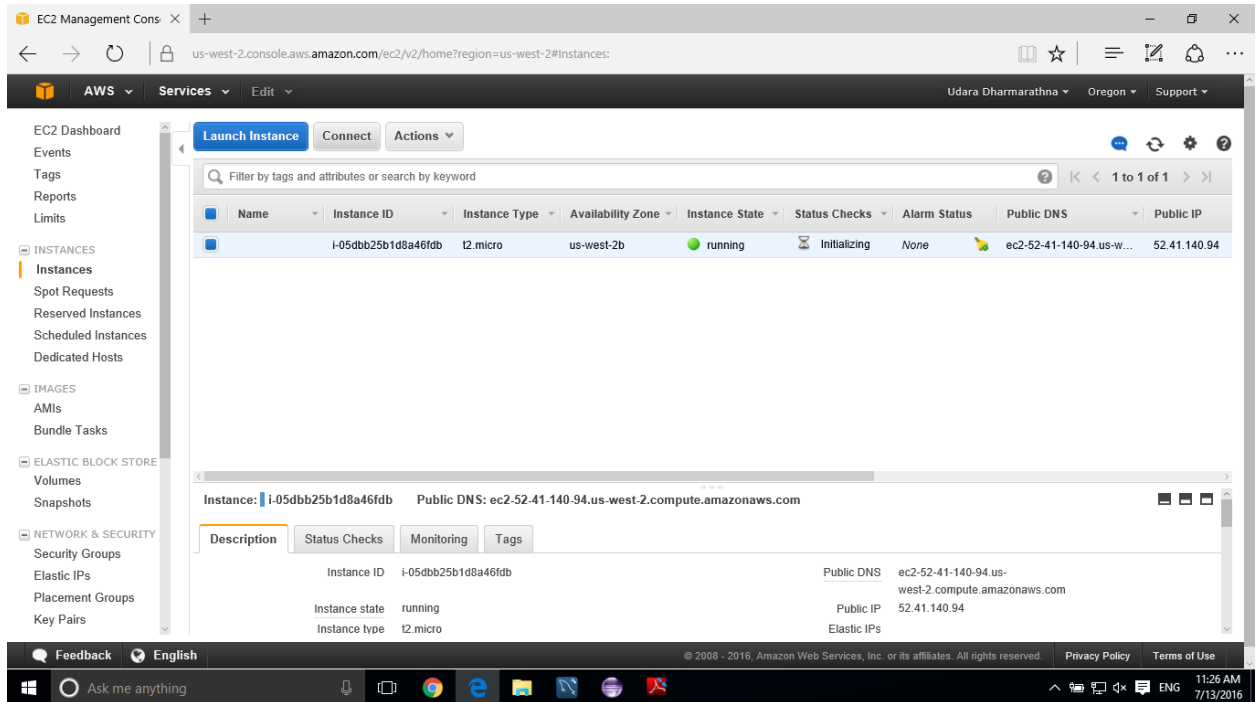
➤ Select “Create a new key pair” in drop down list and provide a key pair name. then download that key pair and click “Launch Instance” button in the popup window.



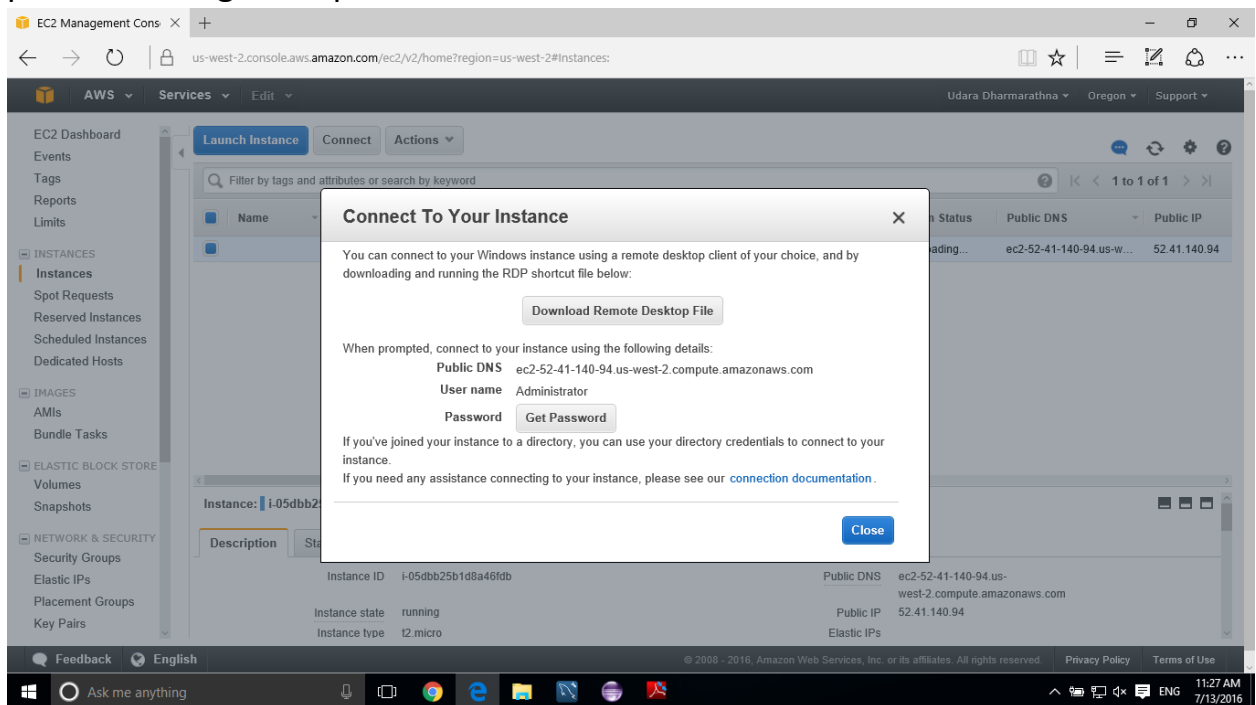
- Then you can see the following interface. It will say your instance are now launching. Then click “View Instance” button to view your created instance.



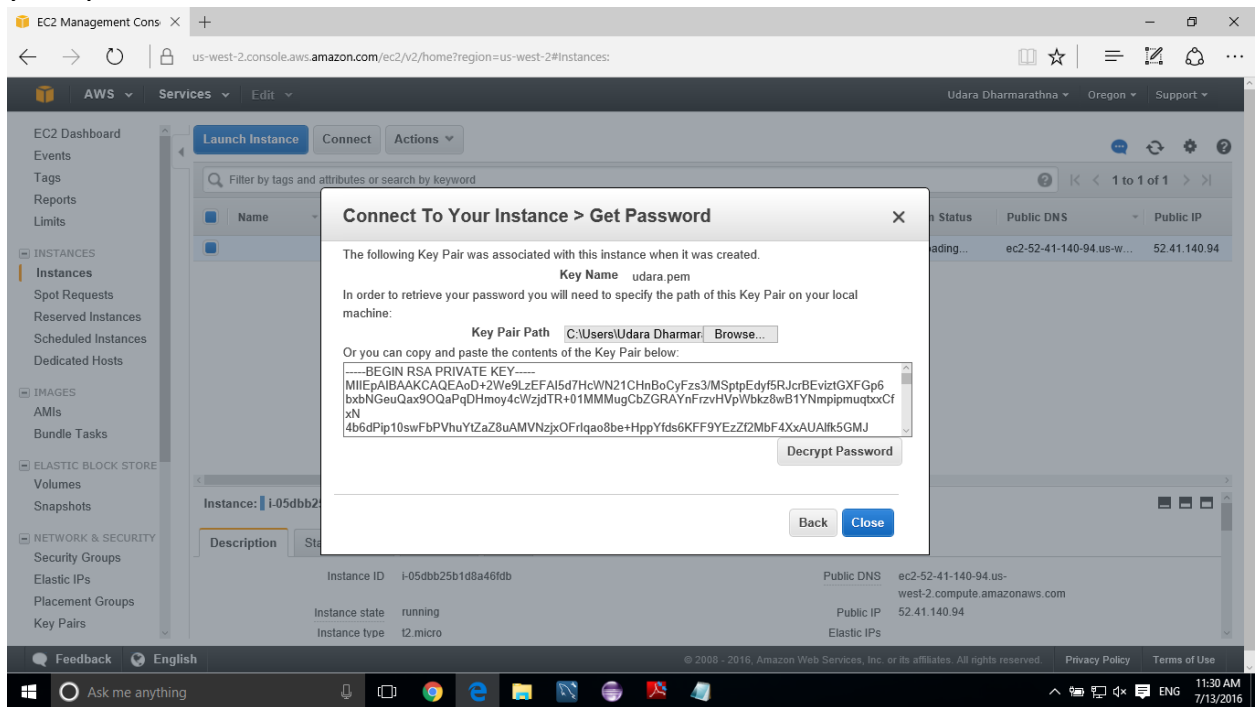
- In here you can see Instance ID, Instance Type like wise. Then click “Connect” button to connect with the created Instance.



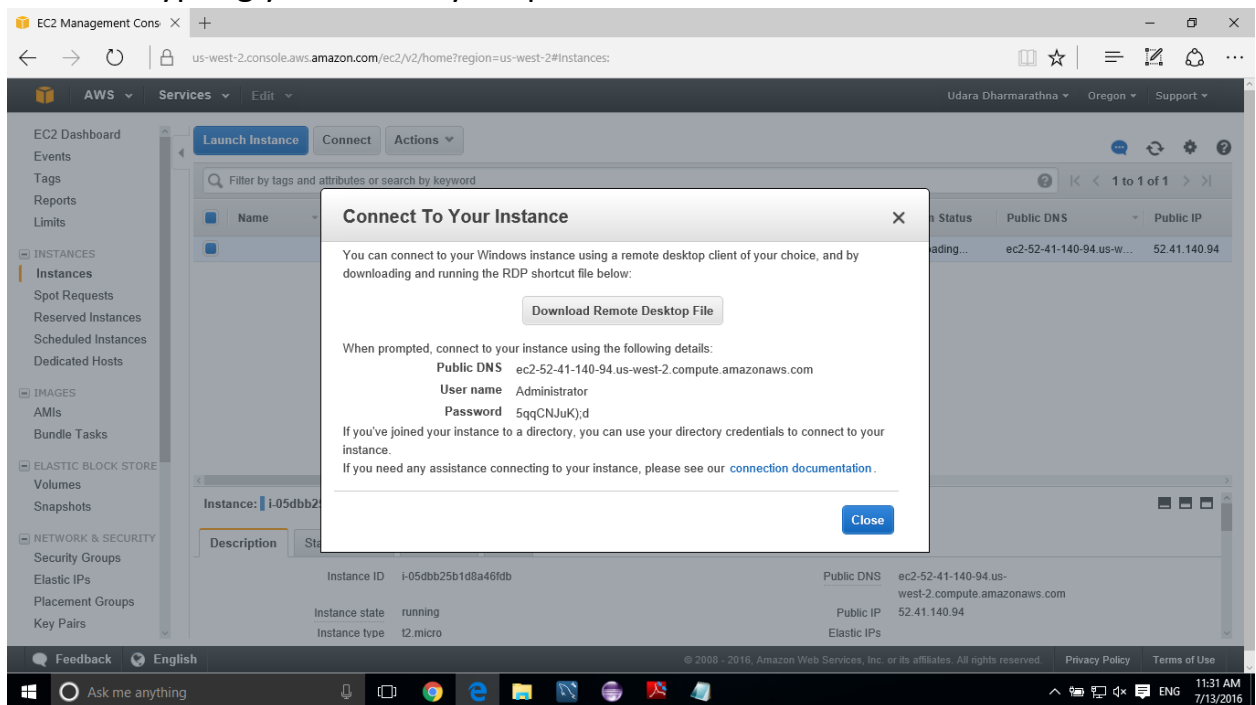
- Then appear a popup window and it will provide your username and password. To get the password click “Get Password” button.



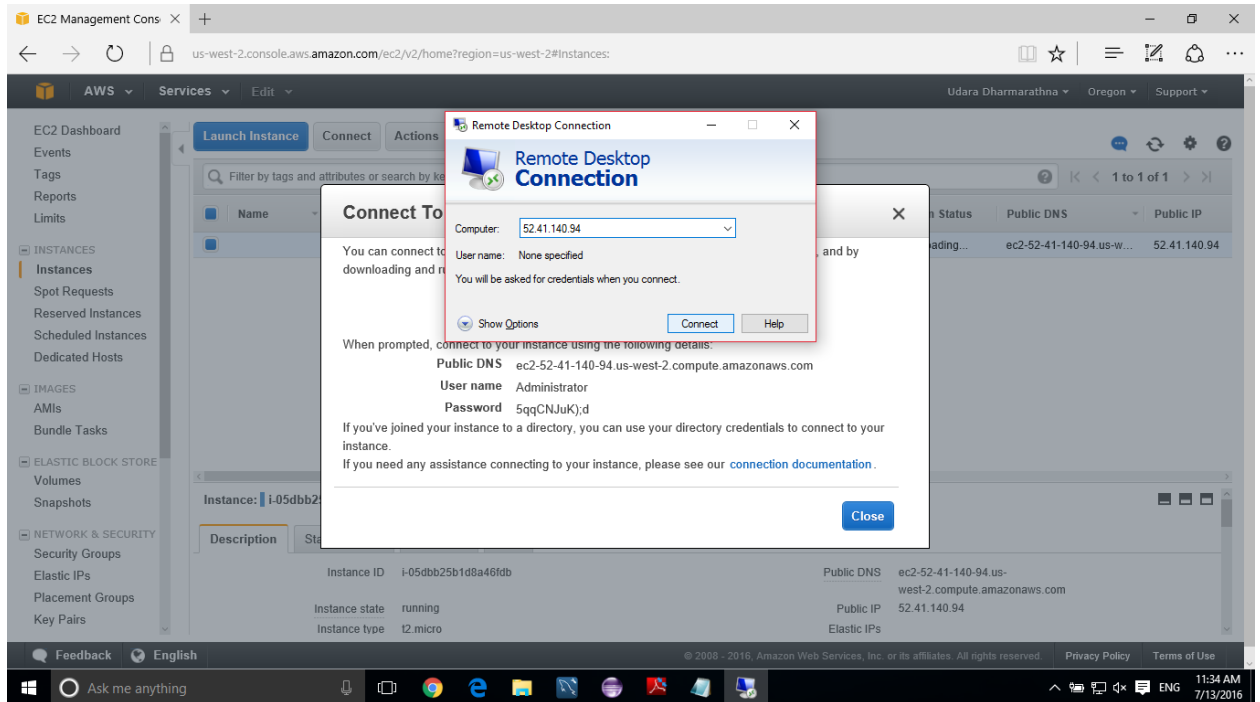
- Then it will ask your downloaded key pair path. Provide that path to get your password. That password will be encrypted. Then you should decrypt to get your password.



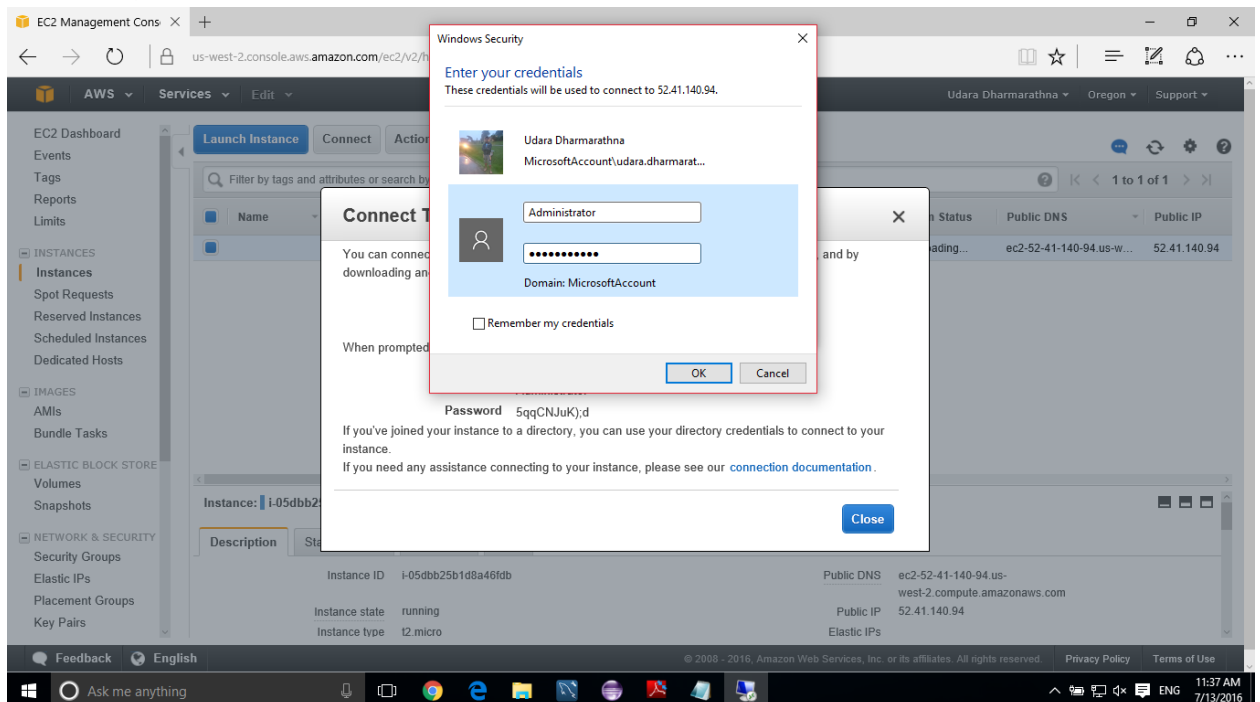
- After decrypting you can see your password.



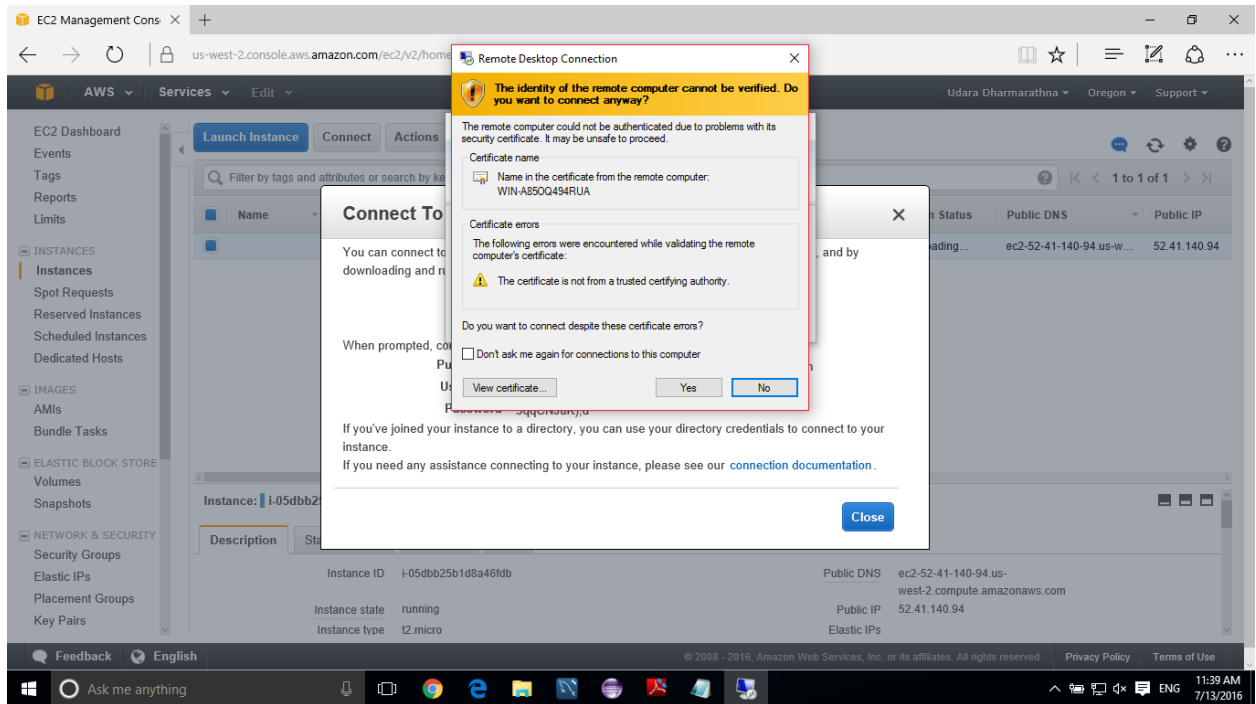
- Then open Remote Desktop connection on your PC. You should provide Public IP Address to Remote Desktop Connection and press connect.



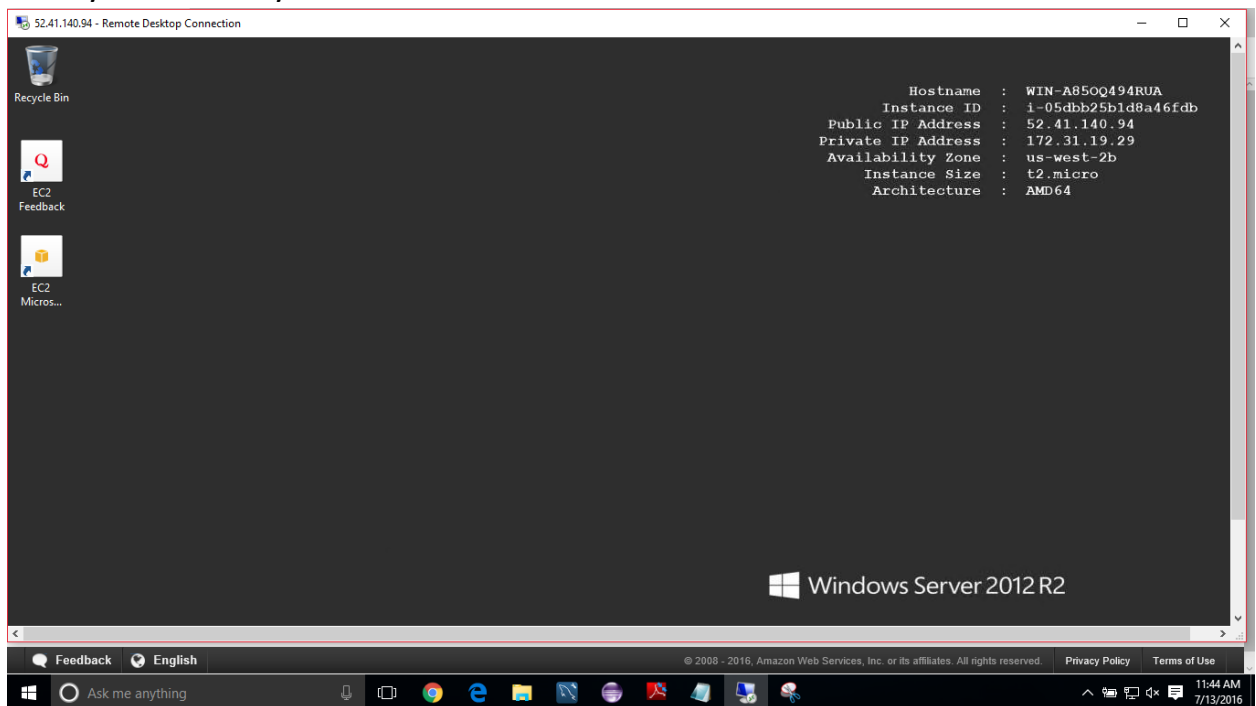
- In here, provide Username and Password then click “OK”.



- Then appear a popup window. Click “Yes”.

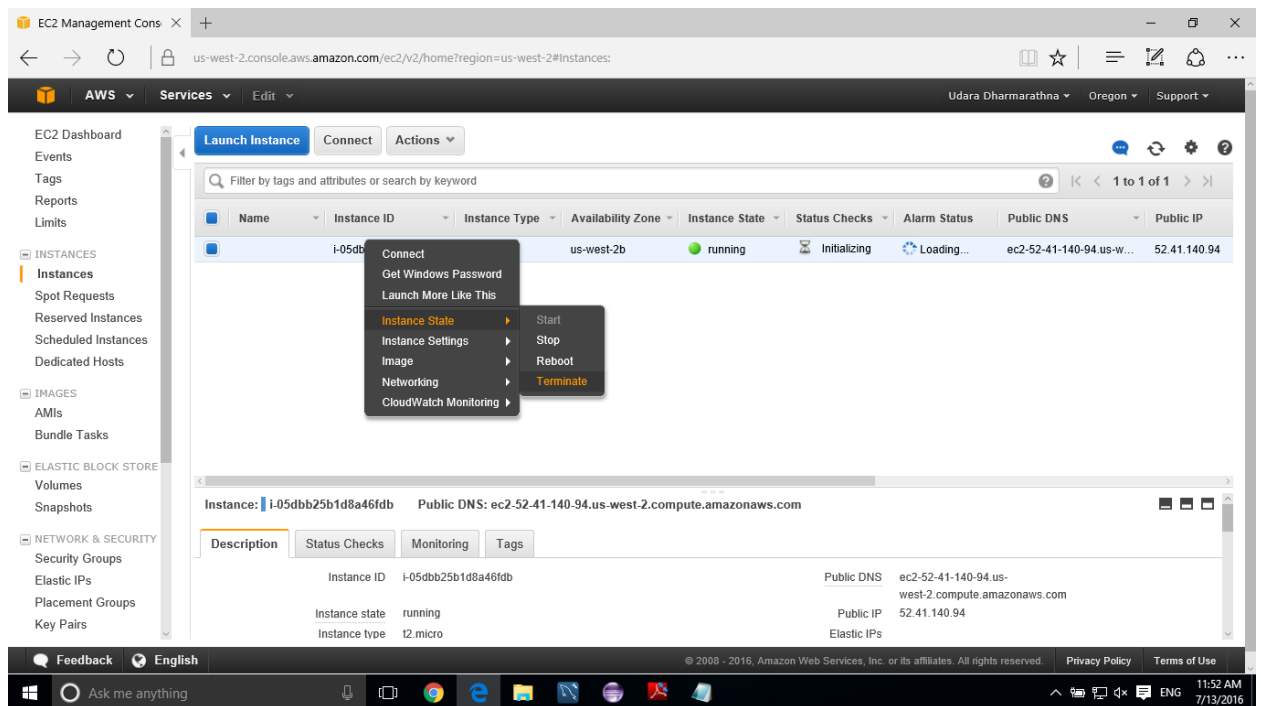
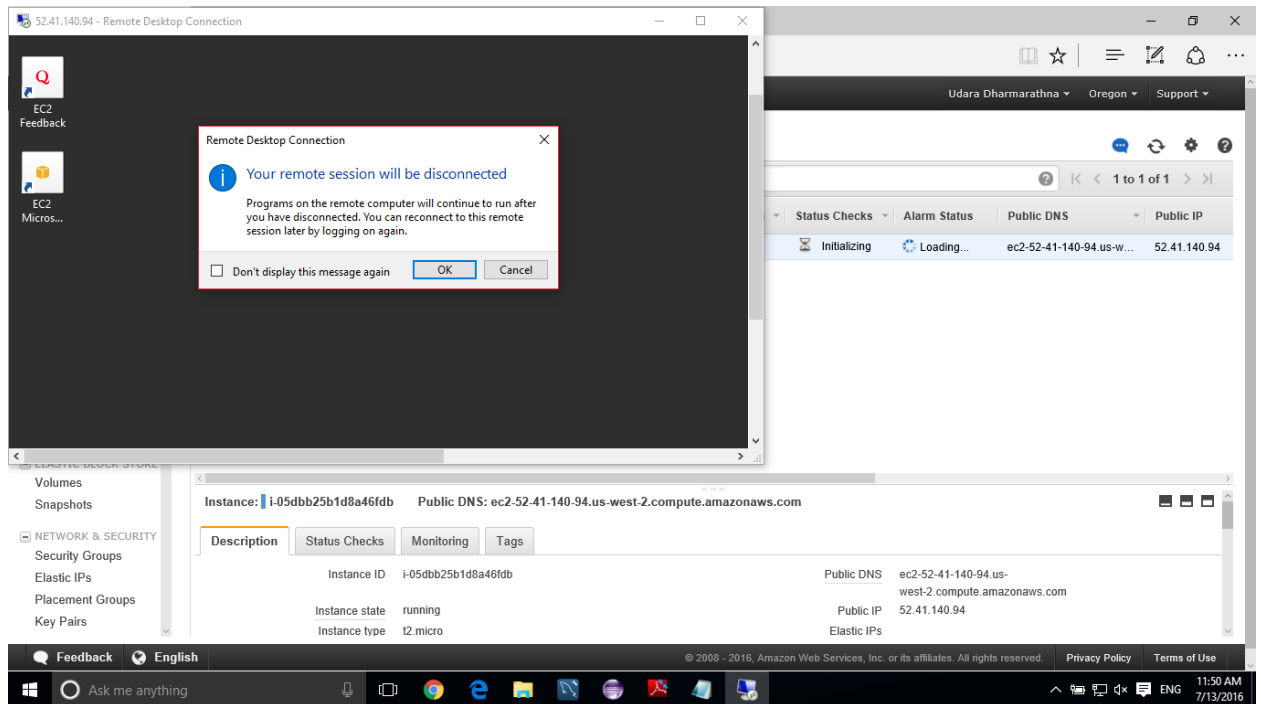


- Now you can see your “Windows Server”.

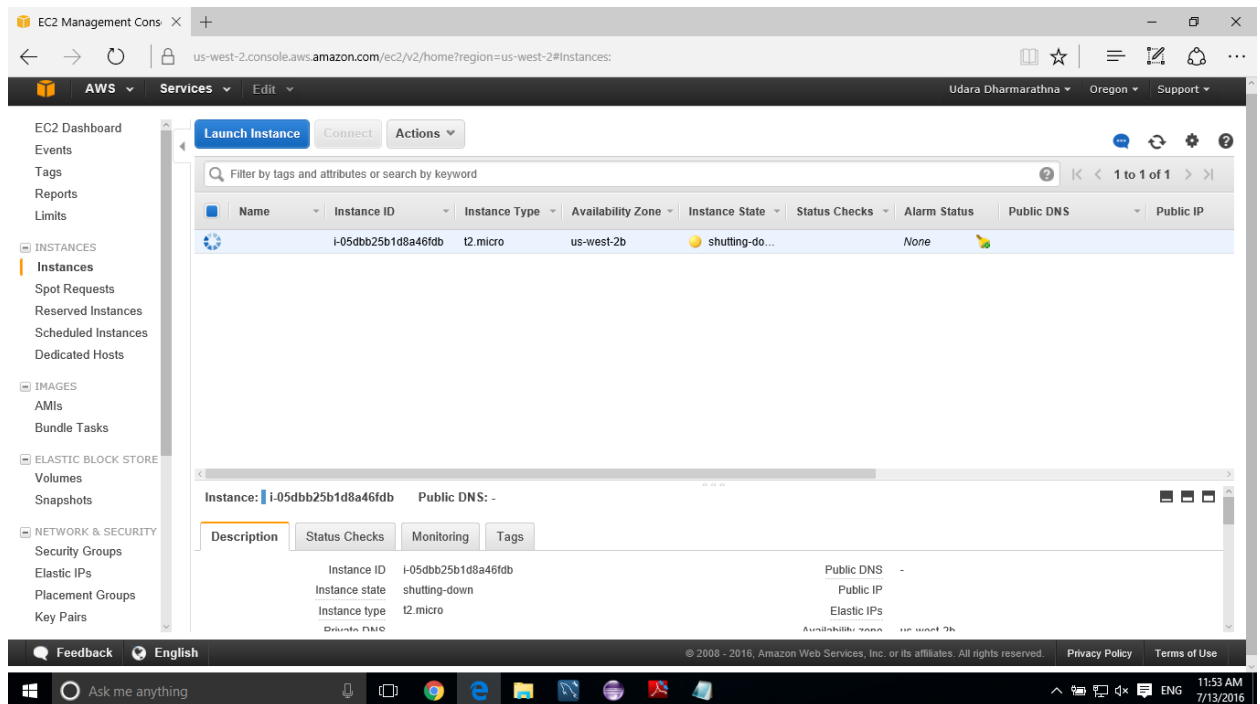
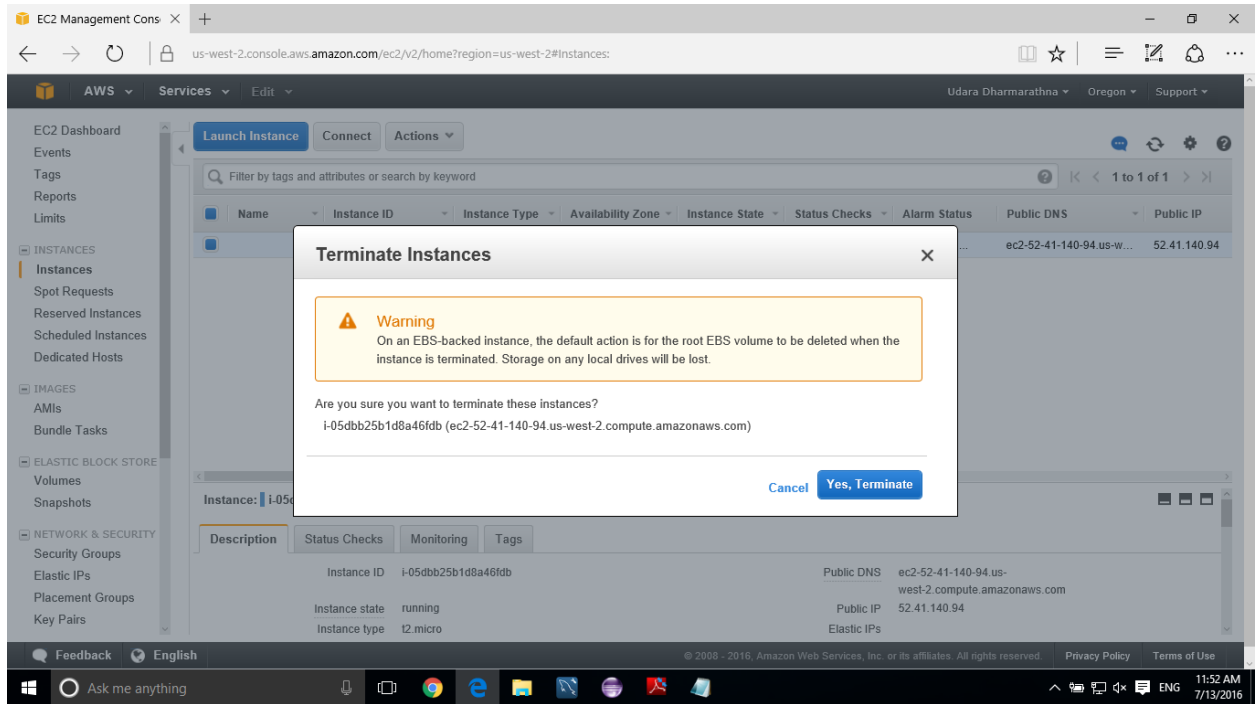




- For terminate the Instance Right click on the Windows Instance -> Instance State -> Terminate.

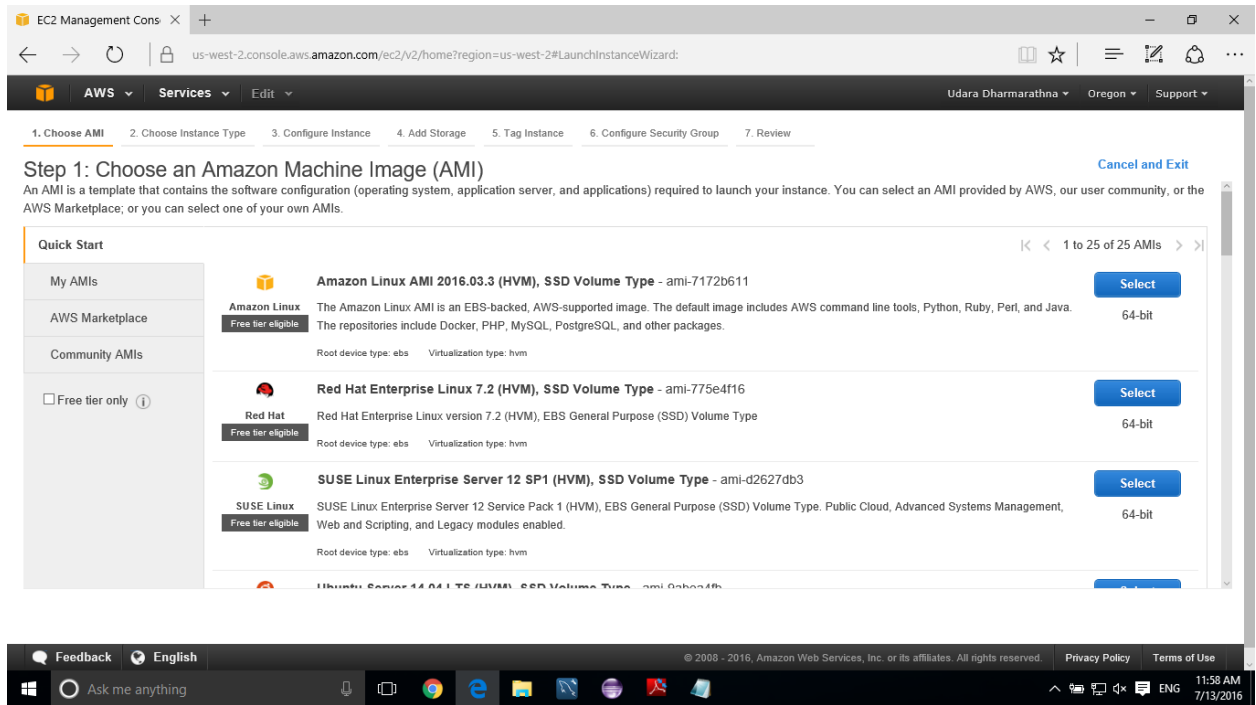


➤ Then click “Yes, Terminate”.

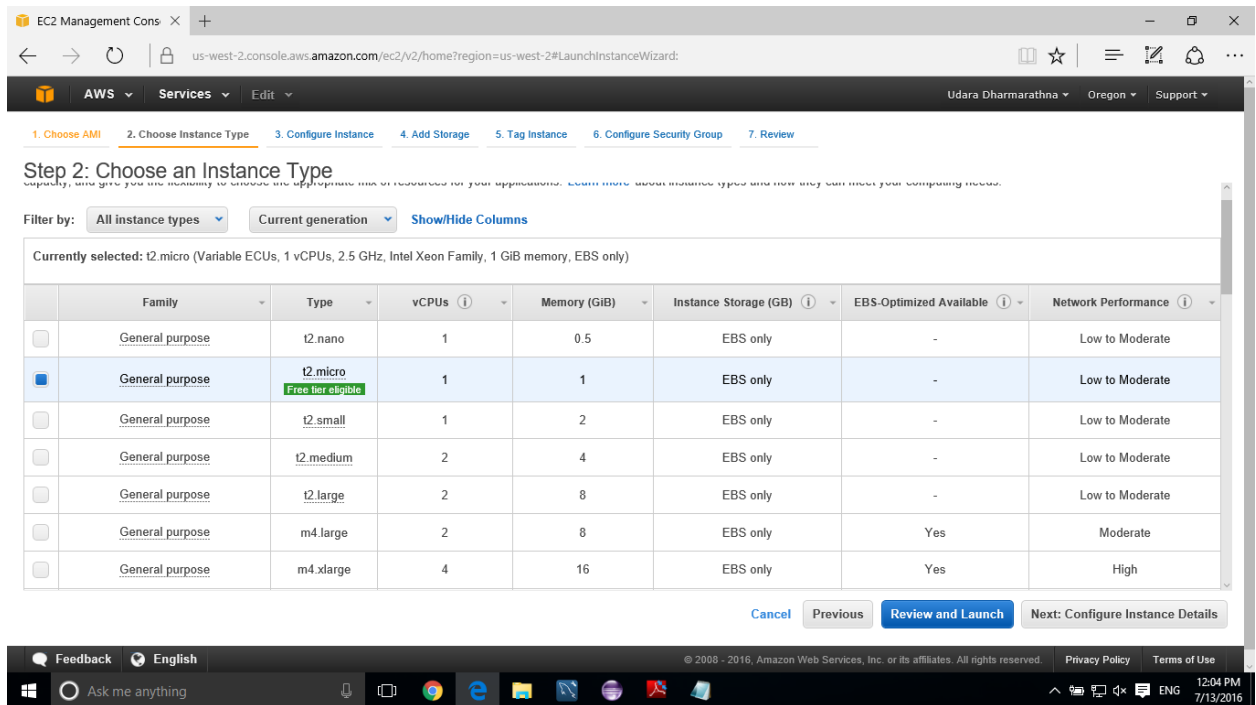


# Linux

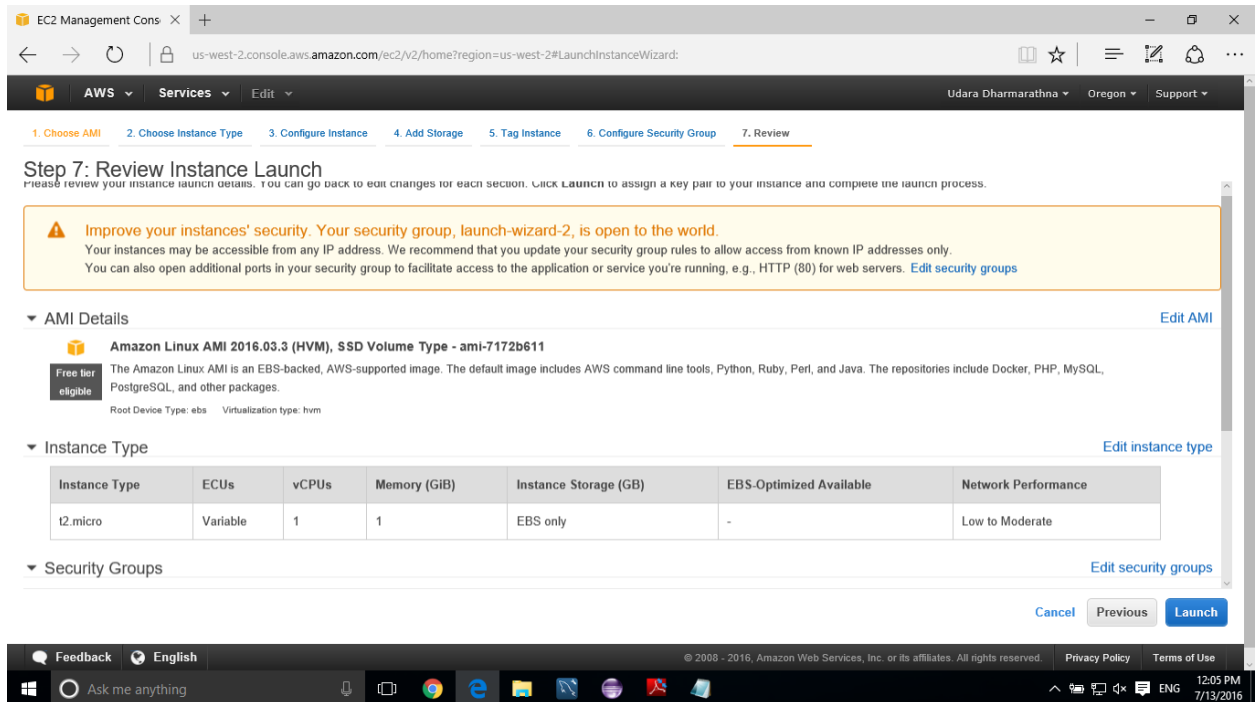
- Select “Amazon Linux AMI” to create Linux Instance.



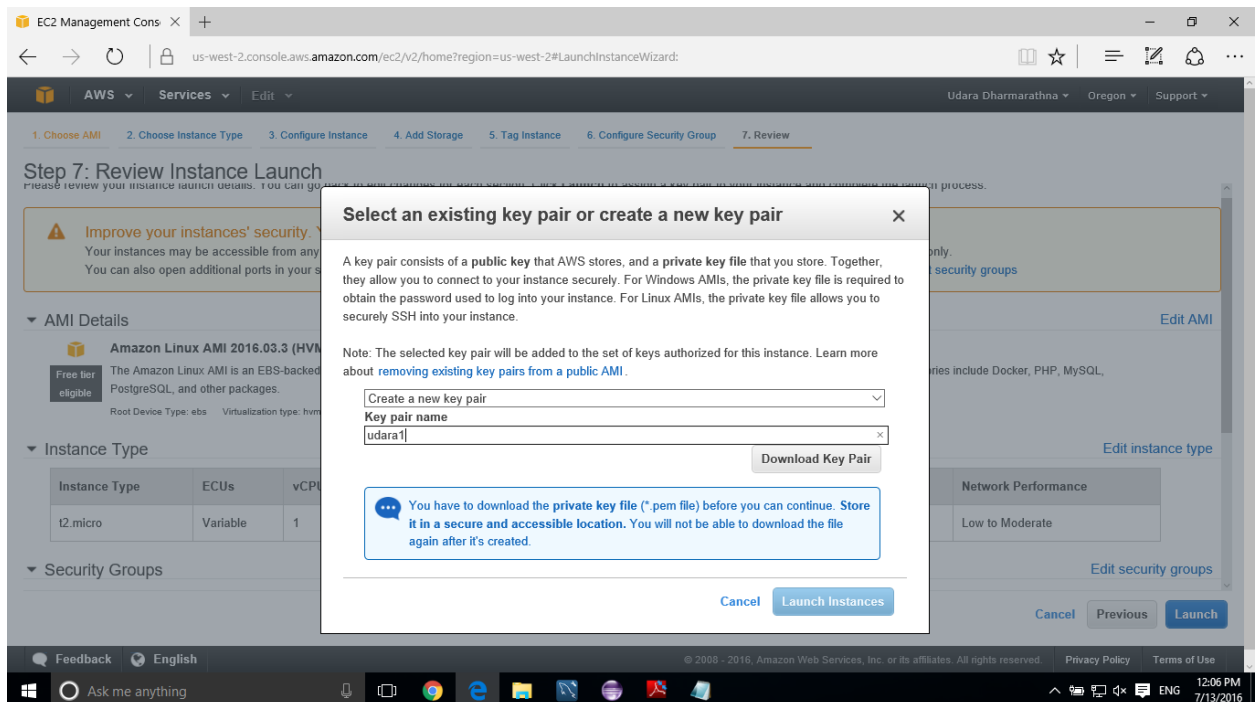
- Click “Review and Launch”.



➤ Click “Launch”.



➤ Select “Create a new key pair” and provide key pair name. download key pair and click “Launch Instance”



## ➤ Then click “View Instance”

The screenshot shows the 'Launch Status' page in the AWS Management Console. At the top, there's a navigation bar with 'AWS', 'Services', and 'Edit' tabs. The main content area has a 'Launch Status' heading. Below it, there's a blue box with a notification icon and text: '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)'. Below this, there's a section titled 'How to connect to your instances' with a paragraph explaining that instances are launching and may take a few minutes to be in the 'running' state. It also mentions that usage hours start immediately and continue to accrue until you stop or terminate your instances. A link 'Find out how to connect to your instances' is provided. Below this, there's a section 'Here are some helpful resources to get you started' with links to 'How to connect to your Linux instance', 'Amazon EC2: User Guide', 'Learn about AWS Free Usage Tier', and 'Amazon EC2: Discussion Forum'. At the bottom, there's a section 'While your instances are launching you can also' with links to 'Create status check alarms', 'Create and attach additional EBS volumes', and 'Manage security groups'. A 'View Instances' button is located at the bottom right of the main content area. The footer of the console shows 'Feedback', 'English', and copyright information. The Windows taskbar at the bottom shows the time as 12:09 PM on 7/13/2016.

Launch Status

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
- Amazon EC2: User Guide
- Learn about AWS Free Usage Tier
- Amazon EC2: Discussion Forum

While your instances are launching you can also

- Create status check alarms to be notified when these instances fail status checks. (Additional charges may apply)
- Create and attach additional EBS volumes (Additional charges may apply)
- Manage security groups

[View Instances](#)

## ➤ Instance is Running.

The screenshot shows the 'Instances' page in the AWS Management Console. The left sidebar contains a navigation menu with categories like 'INSTANCES', 'IMAGES', 'ELASTIC BLOCK STORE', and 'NETWORK & SECURITY'. Under 'INSTANCES', 'Instances' is selected. The main content area has a 'Launch Instance' button, a 'Connect' button, and an 'Actions' dropdown. Below these is a search bar and a table of instances. The table has columns for Name, Instance ID, Instance Type, Availability Zone, Instance State, Status Checks, Alarm Status, Public DNS, and Public IP. There are two instances listed: one with ID 'i-05dbb25b1d8a46fdb' in a 'terminated' state, and another with ID 'i-0dcee08a2db6fb9d0' in a 'running' state. Below the table, there's a message 'Select an instance above' and three small icons. The footer of the console shows 'Feedback', 'English', and copyright information. The Windows taskbar at the bottom shows the time as 12:12 PM on 7/13/2016.

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
- Placement Groups
- Key Pairs

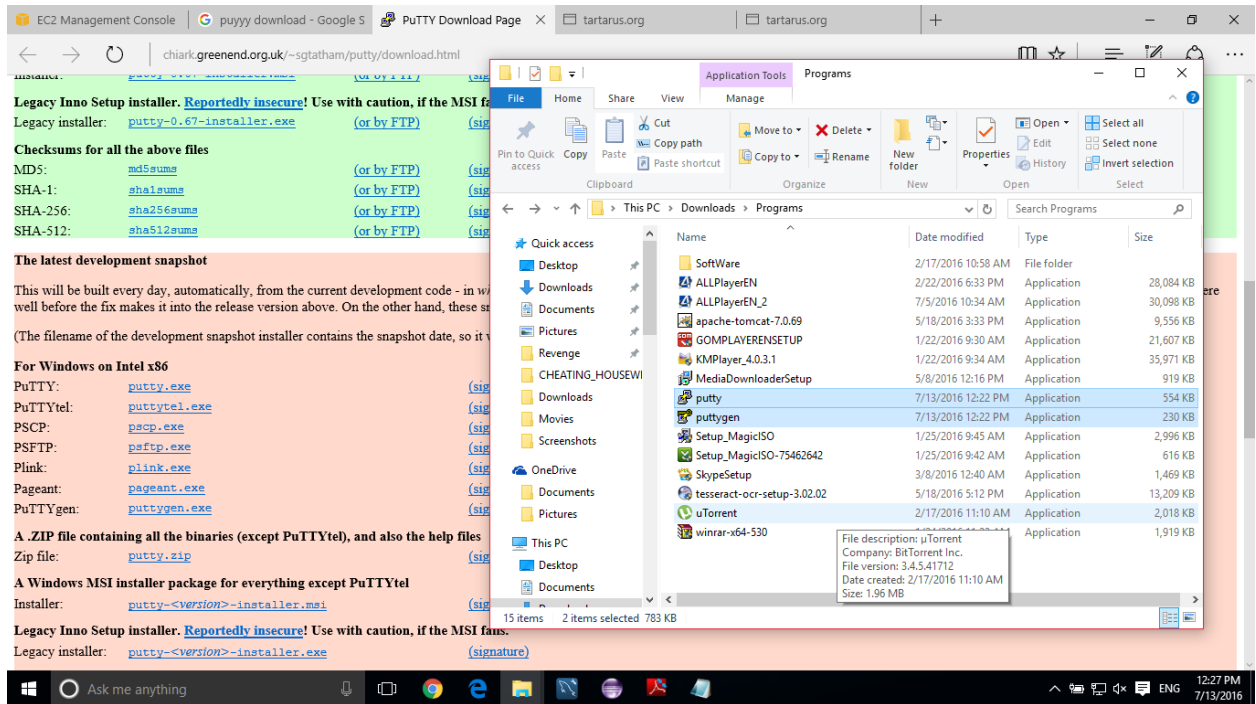
[Launch Instance](#) [Connect](#) [Actions](#)

Filter by tags and attributes or search by keyword

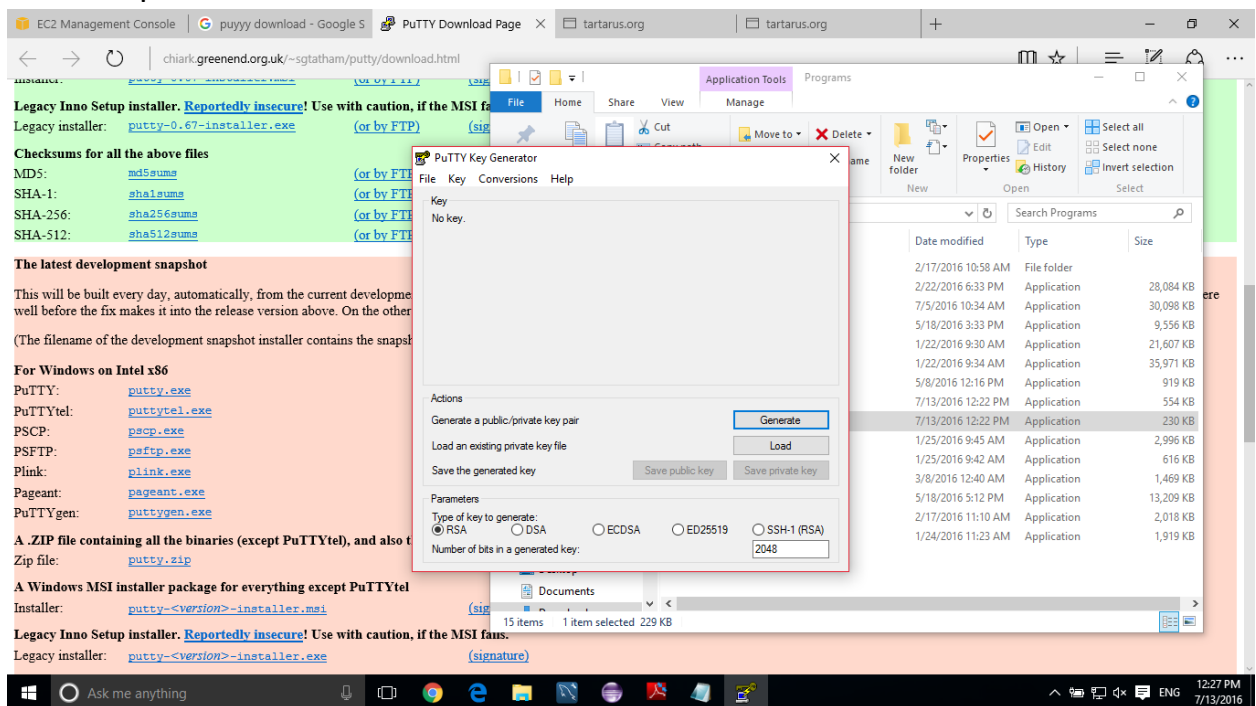
Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS	Public IP
	i-05dbb25b1d8a46fdb	t2.micro	us-west-2b	terminated		None		
	i-0dcee08a2db6fb9d0	t2.micro	us-west-2a	running	2/2 checks...	None	ec2-50-112-44-147.us-...	50.112.44.147

Select an instance above

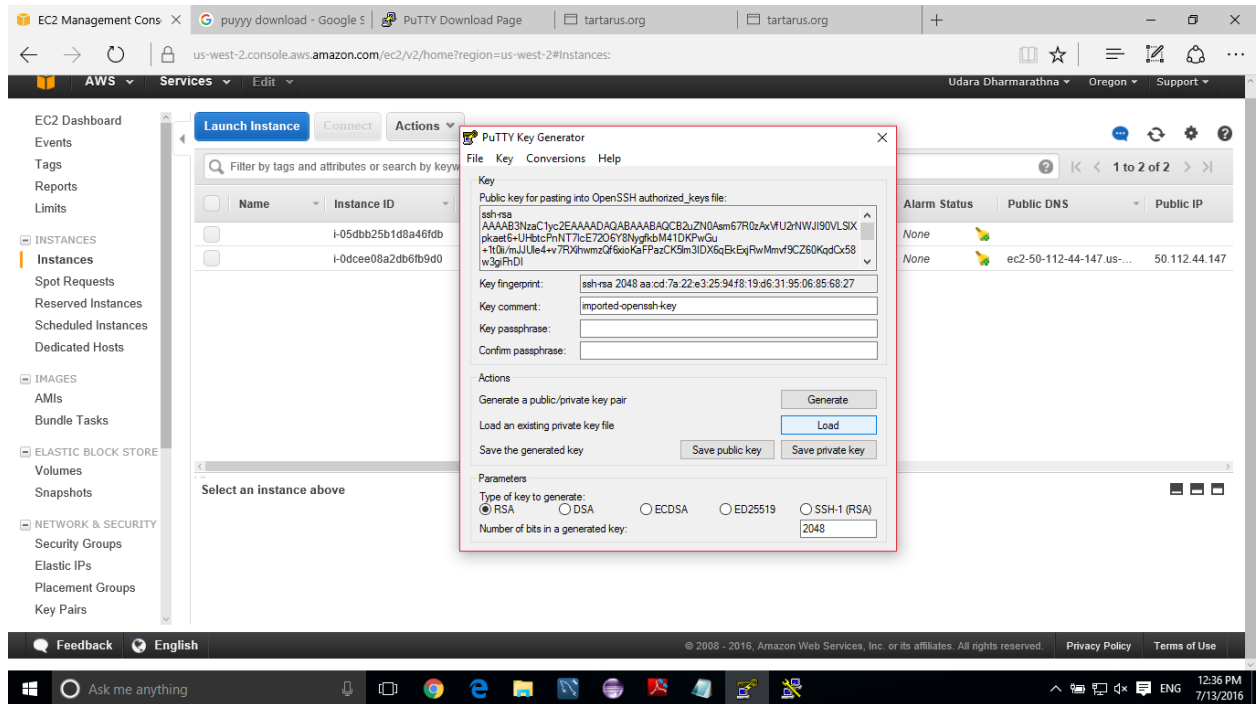
- Then download putty.exe and puttygen.exe.



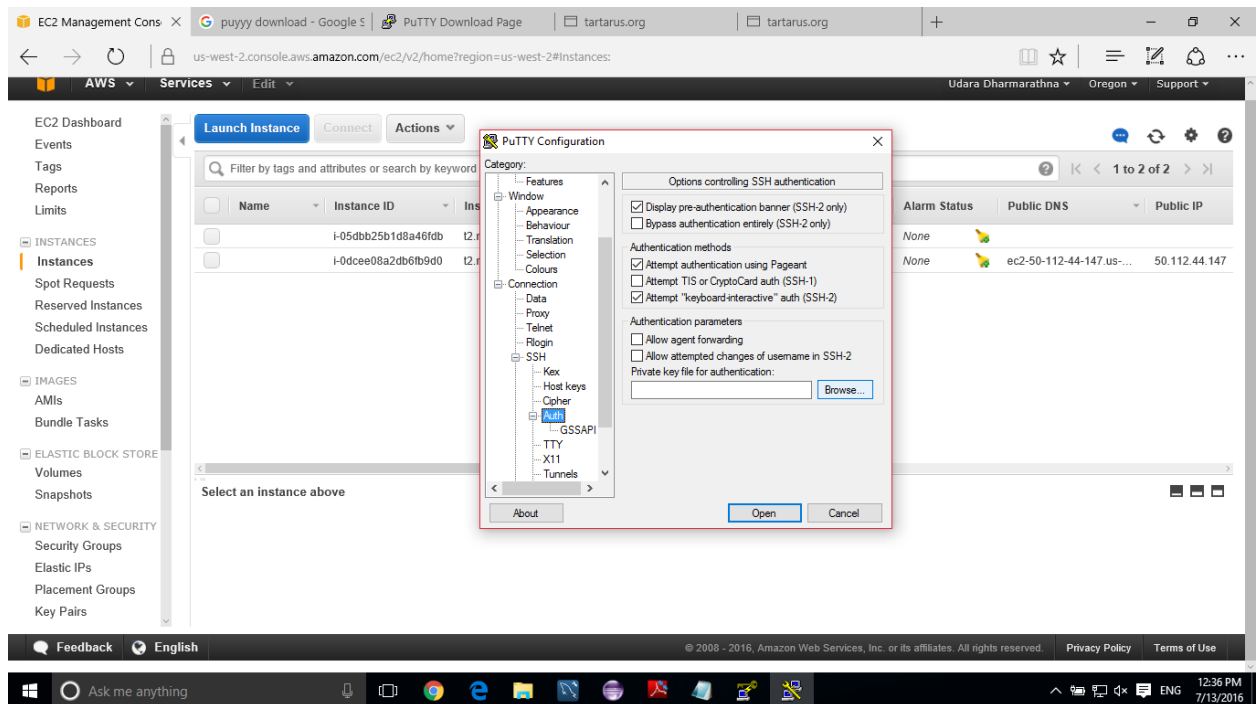
- Open puttygen.exe and click “Load” and Browse downloaded key pair. “udara1.pem”

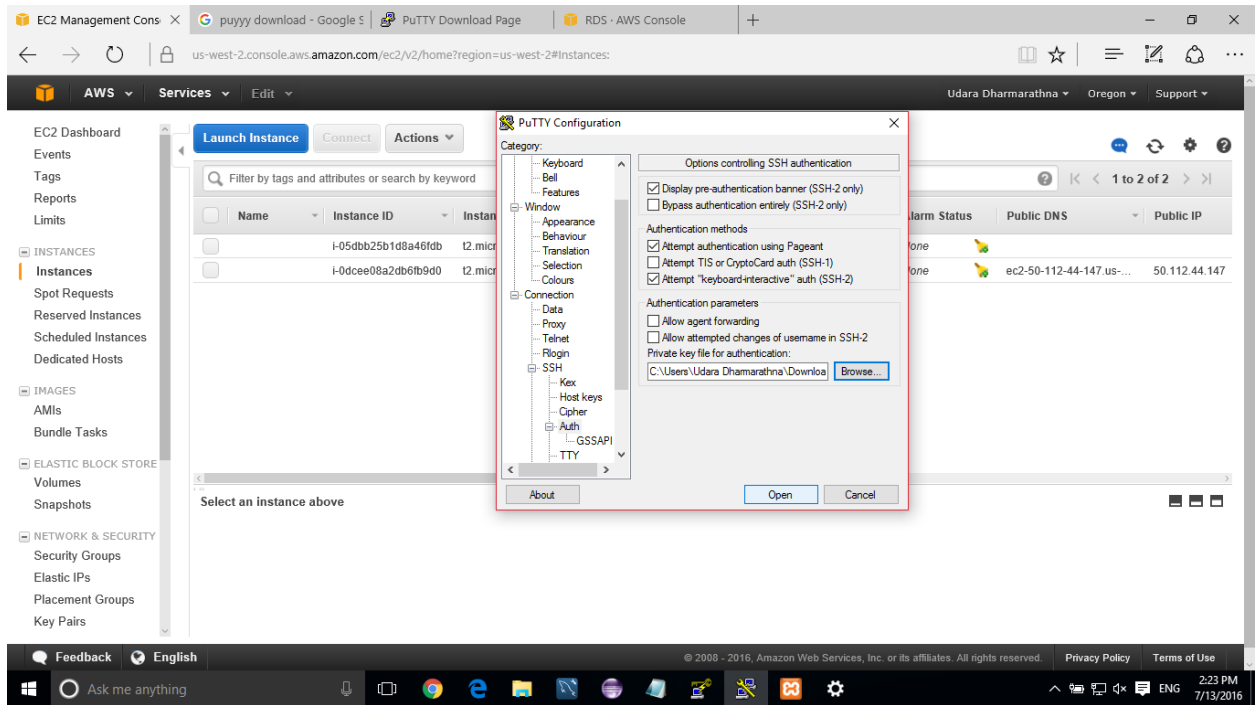


- Then click “Save Private Key”.

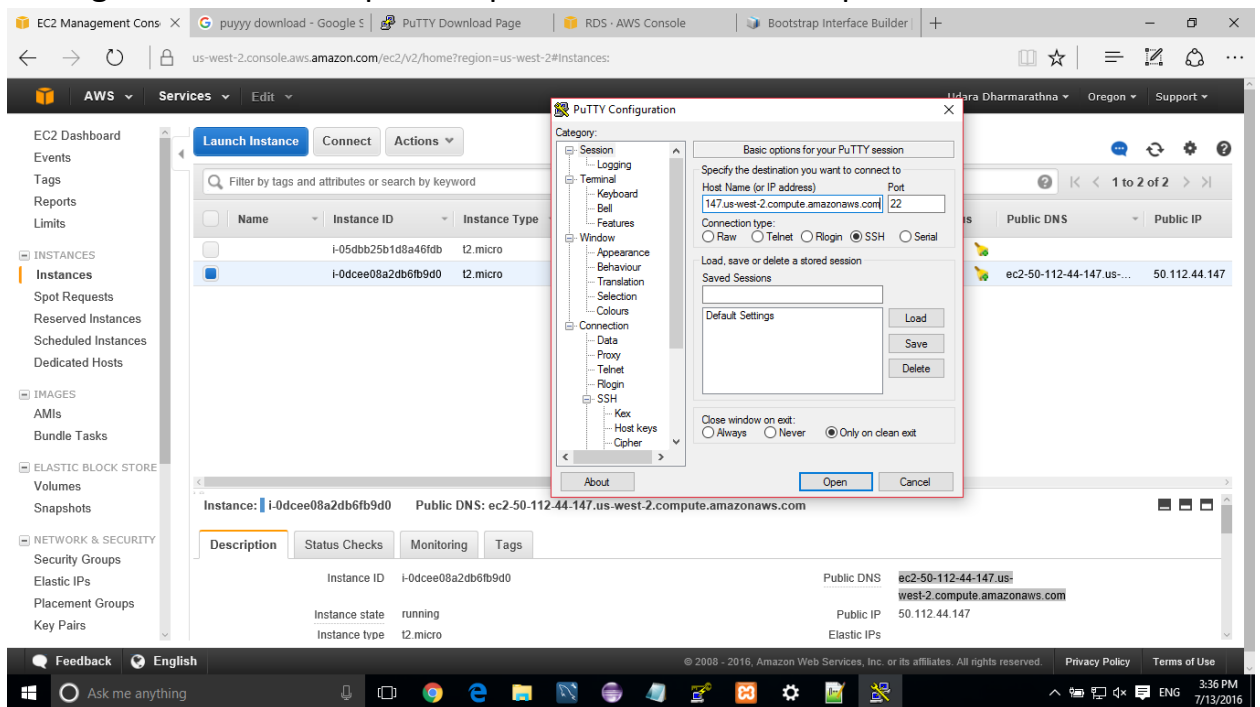


- Then open putty.exe and go Connection -> SSH -> Auth and browse “saved private key”



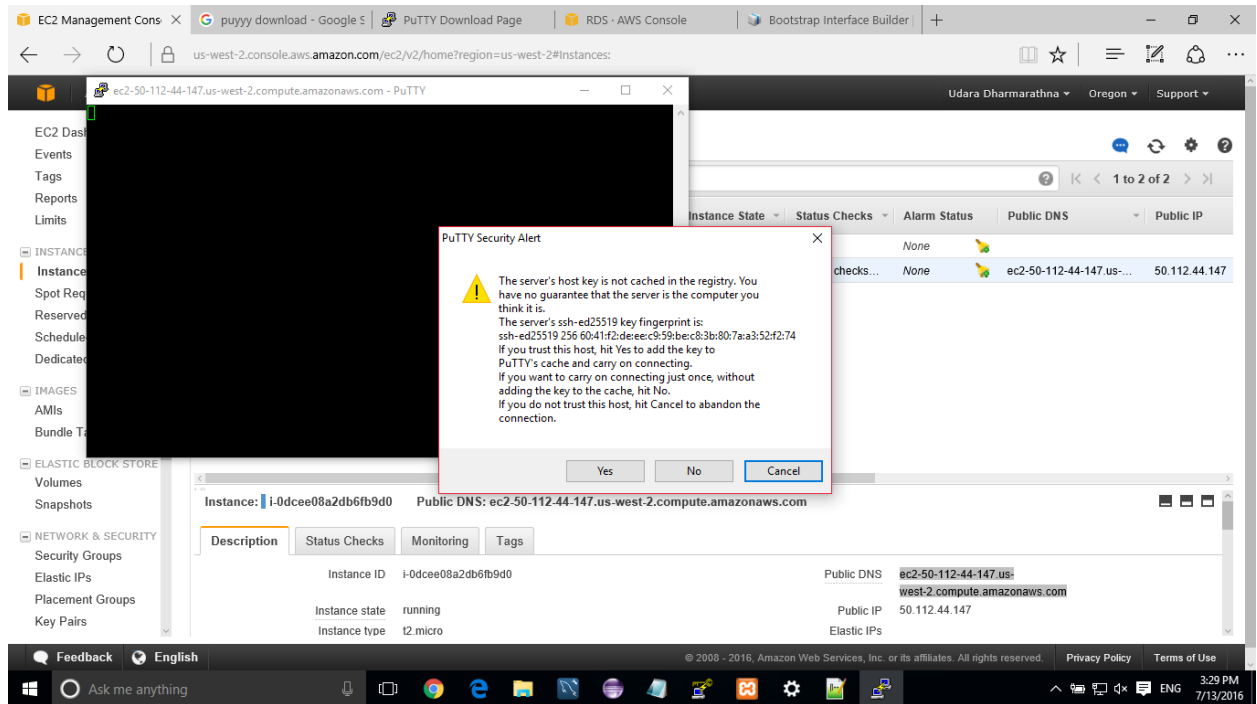


➤ Then go to Session and provide public DNS and click “Open”.

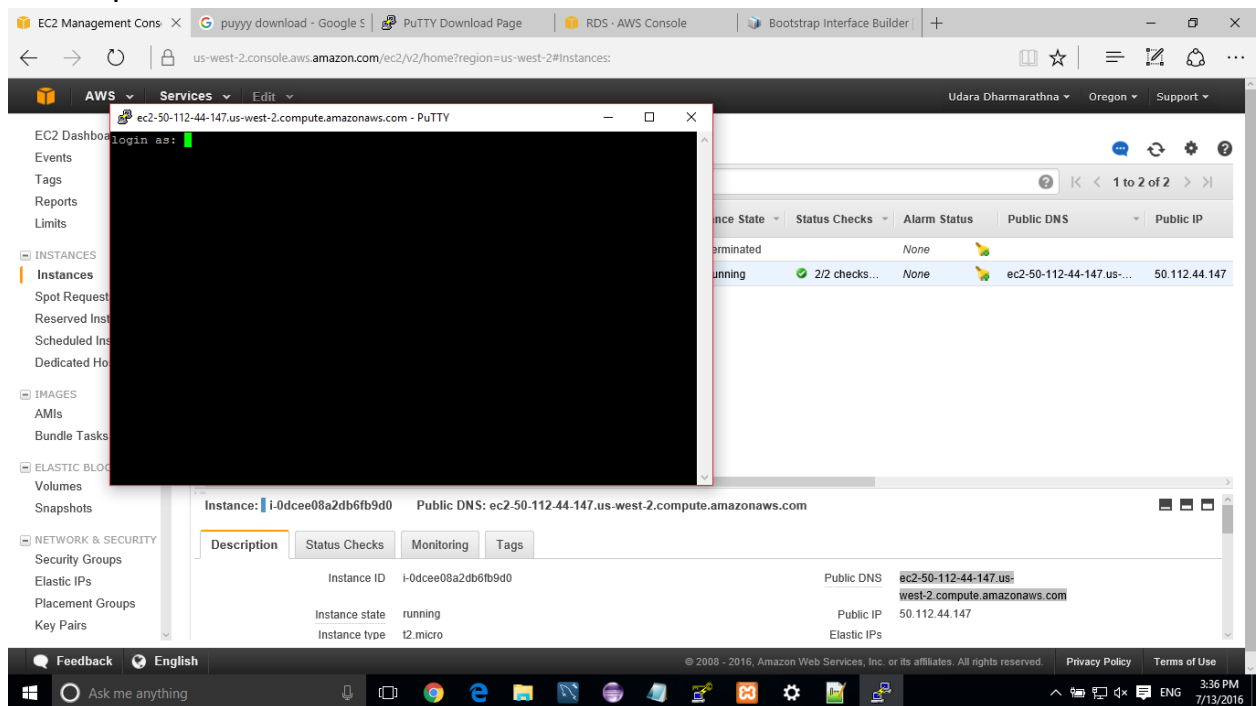




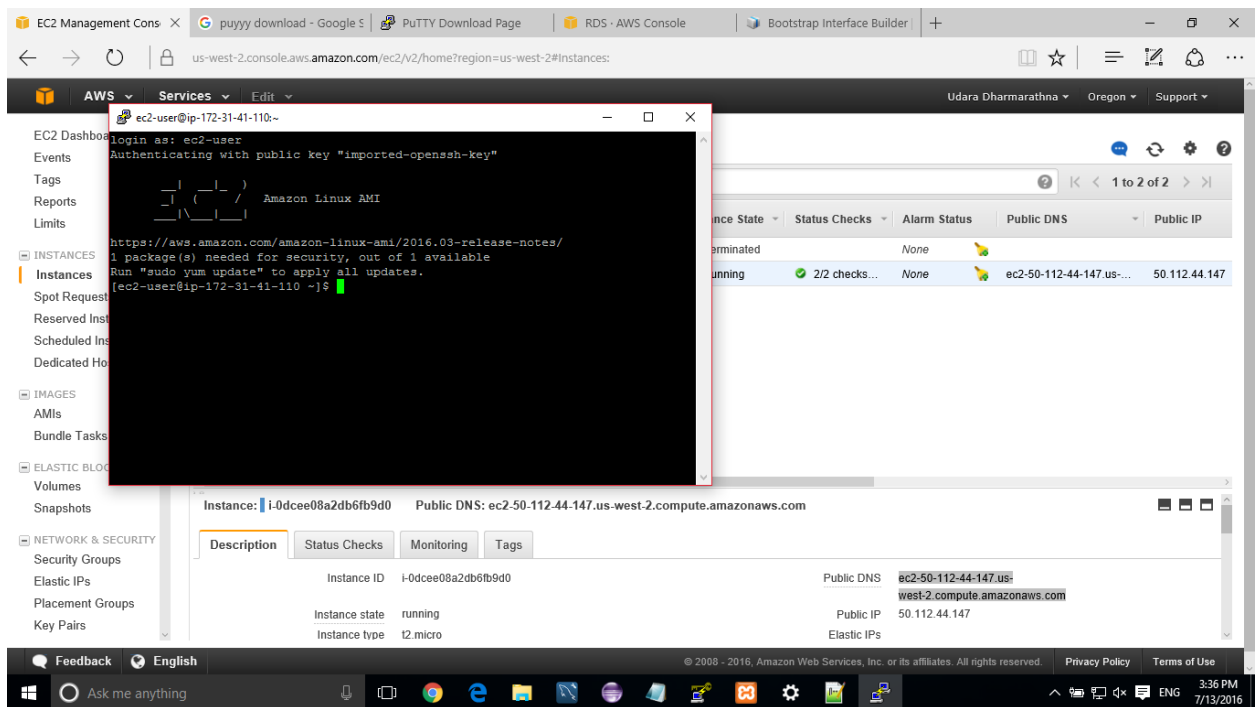
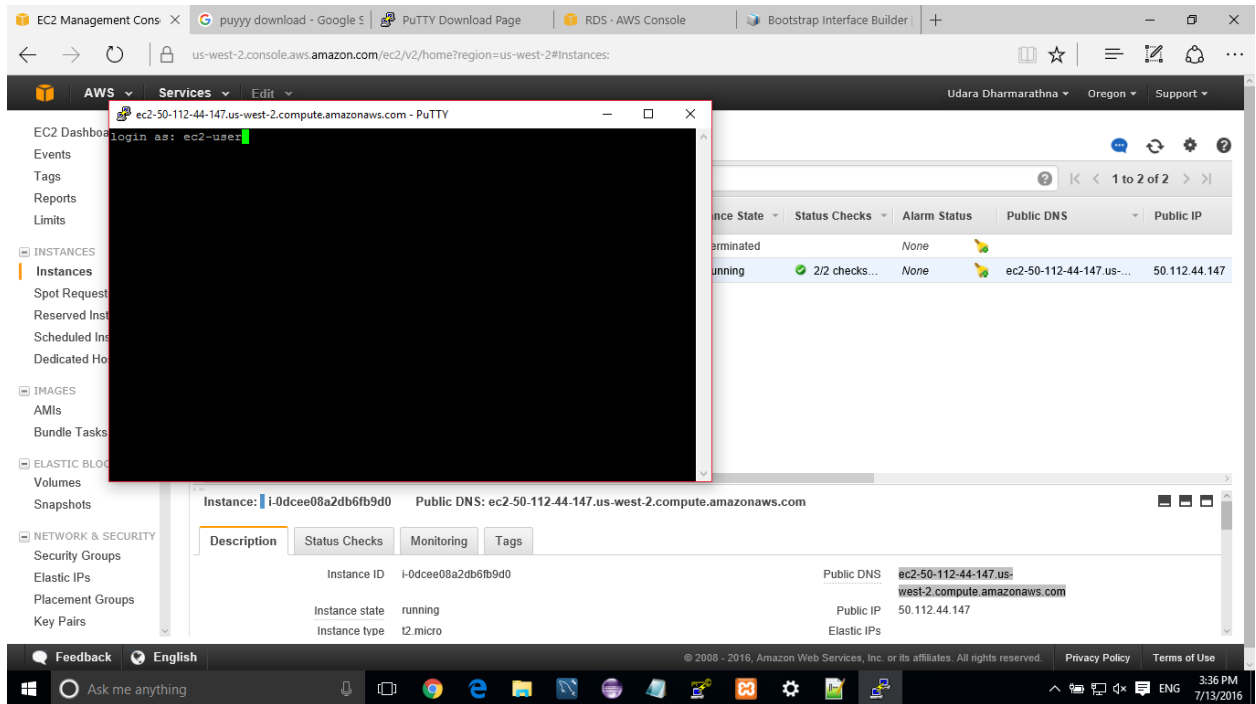
➤ In here, click “yes”.



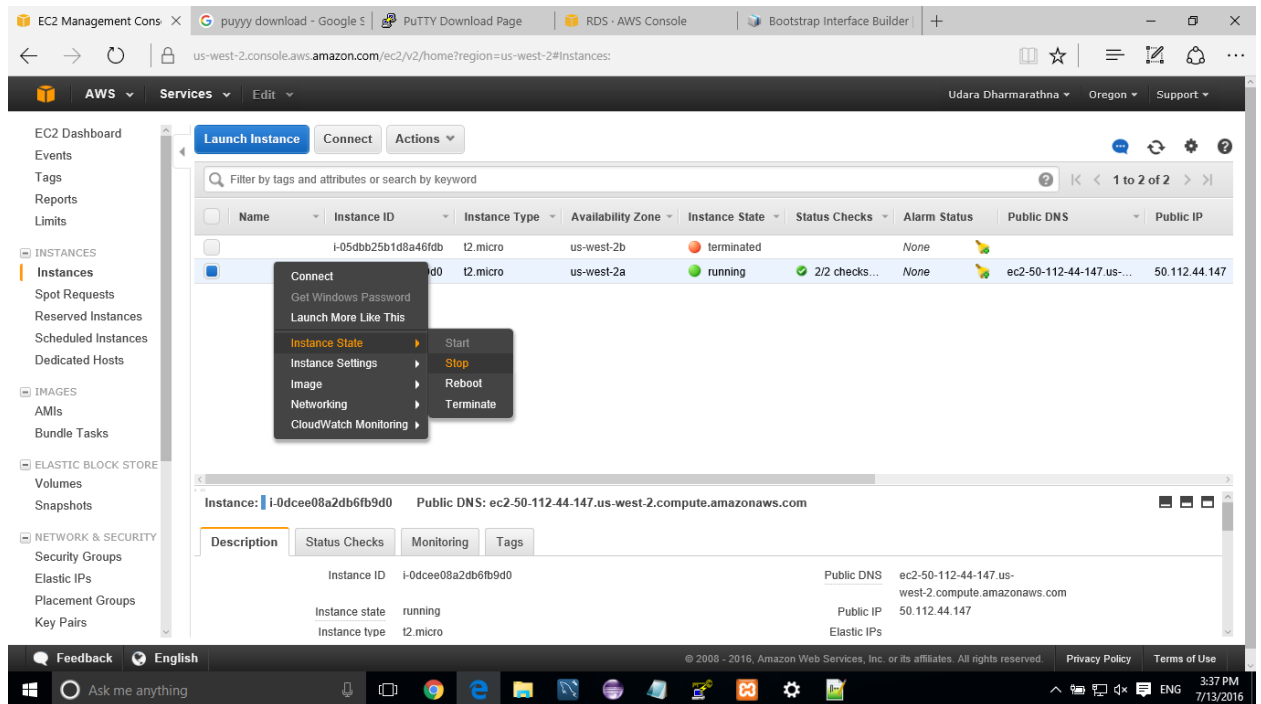
➤ Then open XAMPP server and click “Shell”



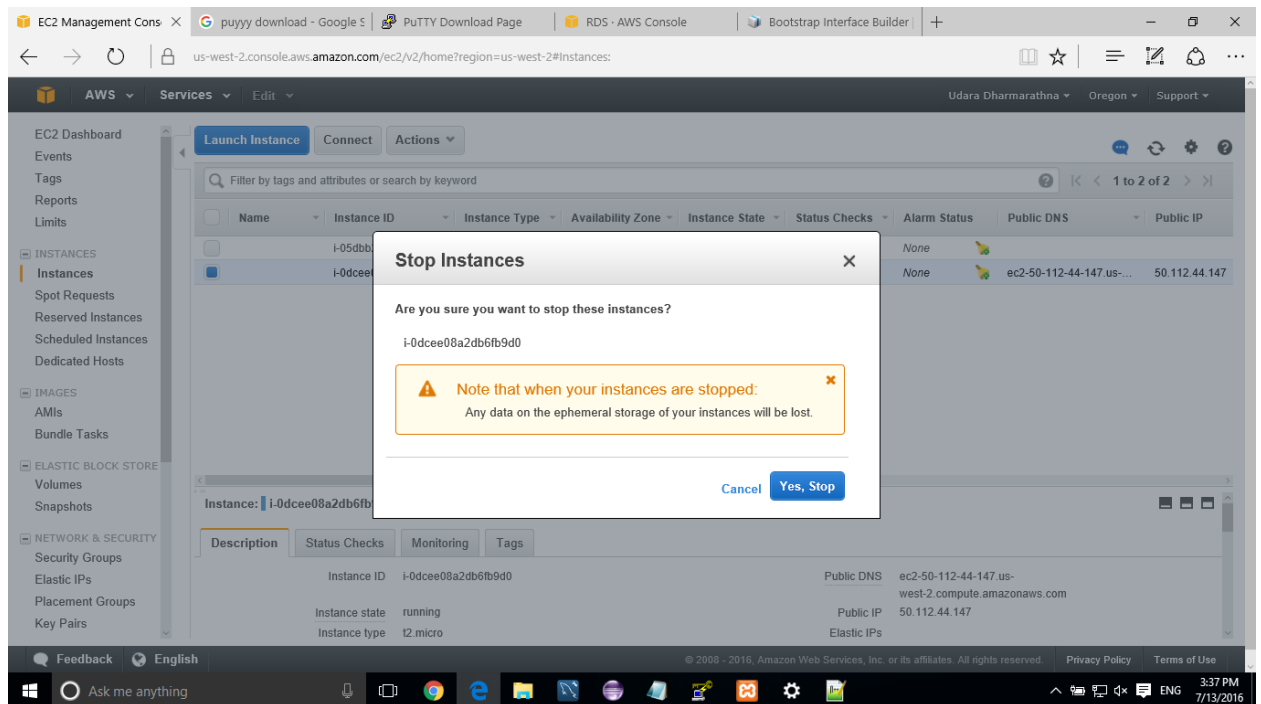
- Then provide login as: ec2-user, now the Linux Server is done.



- To Stop the Linux Instance, Right on the Linux Instance -> Instance State -> Stop



- Click “Yes, Stop”



➤ Instance is stopped.

The screenshot displays the AWS Management Console interface for the 'us-west-2' region. The left-hand navigation pane lists various services, with 'INSTANCES' selected under the 'EC2' category. The main content area shows a table of EC2 instances. Two instances are listed: one with ID 'i-05dbb25b1d8a46f6b' in a 'terminated' state, and another with ID 'i-0dcee08a2db6fb9d0' in a 'stopping' state. The 'stopping' instance is highlighted. Below the table, the details for the selected instance 'i-0dcee08a2db6fb9d0' are shown, including its Public DNS 'ec2-50-112-44-147.us-west-2.compute.amazonaws.com' and Public IP '50.112.44.147'. The instance state is confirmed as 'stopping' and the type as 't2.micro'. The bottom of the screen shows the Windows taskbar with the time 3:37 PM on 7/13/2016.

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS	Public IP
	i-05dbb25b1d8a46f6b	t2.micro	us-west-2b	terminated	None			
	i-0dcee08a2db6fb9d0	t2.micro	us-west-2a	stopping	None		ec2-50-112-44-147.us-...	50.112.44.147

Instance: i-0dcee08a2db6fb9d0    Public DNS: ec2-50-112-44-147.us-west-2.compute.amazonaws.com

**Description**    Status Checks    Monitoring    Tags

Instance ID	i-0dcee08a2db6fb9d0	Public DNS	ec2-50-112-44-147.us-west-2.compute.amazonaws.com
Instance state	stopping	Public IP	50.112.44.147
Instance type	t2.micro	Elastic IPs	