SRI LANKA INSTITUTE OF INFORMATION TECHNOLOGY

Enterprise Standards and Best Practices for IT Infrastructure

4th Year 2nd Semester 2016

Name: THAMARA NIRANJA ATHAUDA

SLIIT ID: IT13136352

Group Number:

Practical Session: WD

Practical Number : <Lab 1>

Date of Submission: 2016-07-30

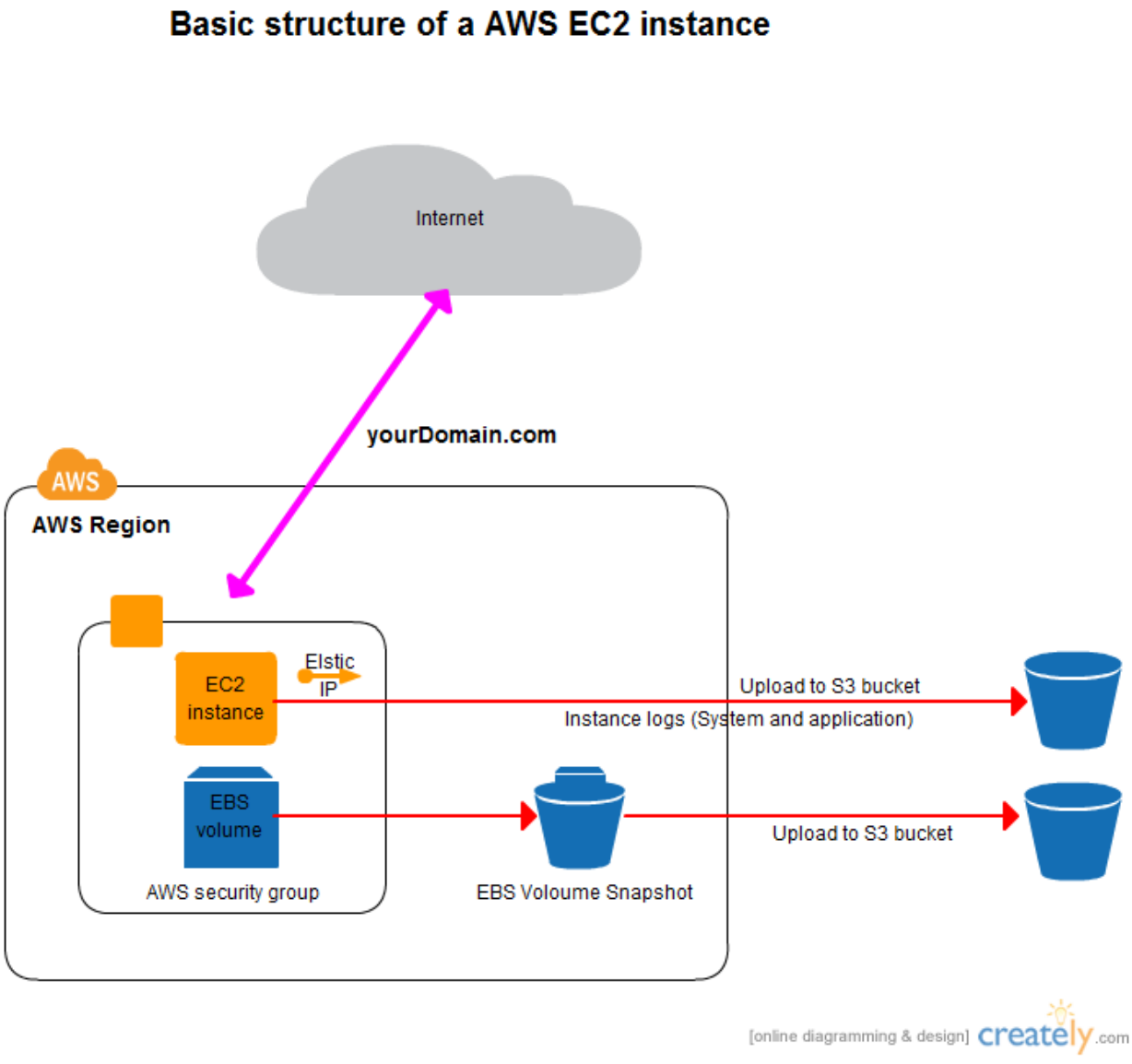
Date of Evaluation : _____

Evaluators Signature : _____

Introduction

An instance is a virtual server in the AWS cloud. With Amazon EC2, can set up and configure the operating system and applications that run on an instance.

The instance is an Amazon EBS-backed You can either specify the Availability Zone in which your instance runs, or let Amazon EC2 select an Availability Zone for you.



REF:- http://creately.com/jupiter/diagram/image/h4jacmks2

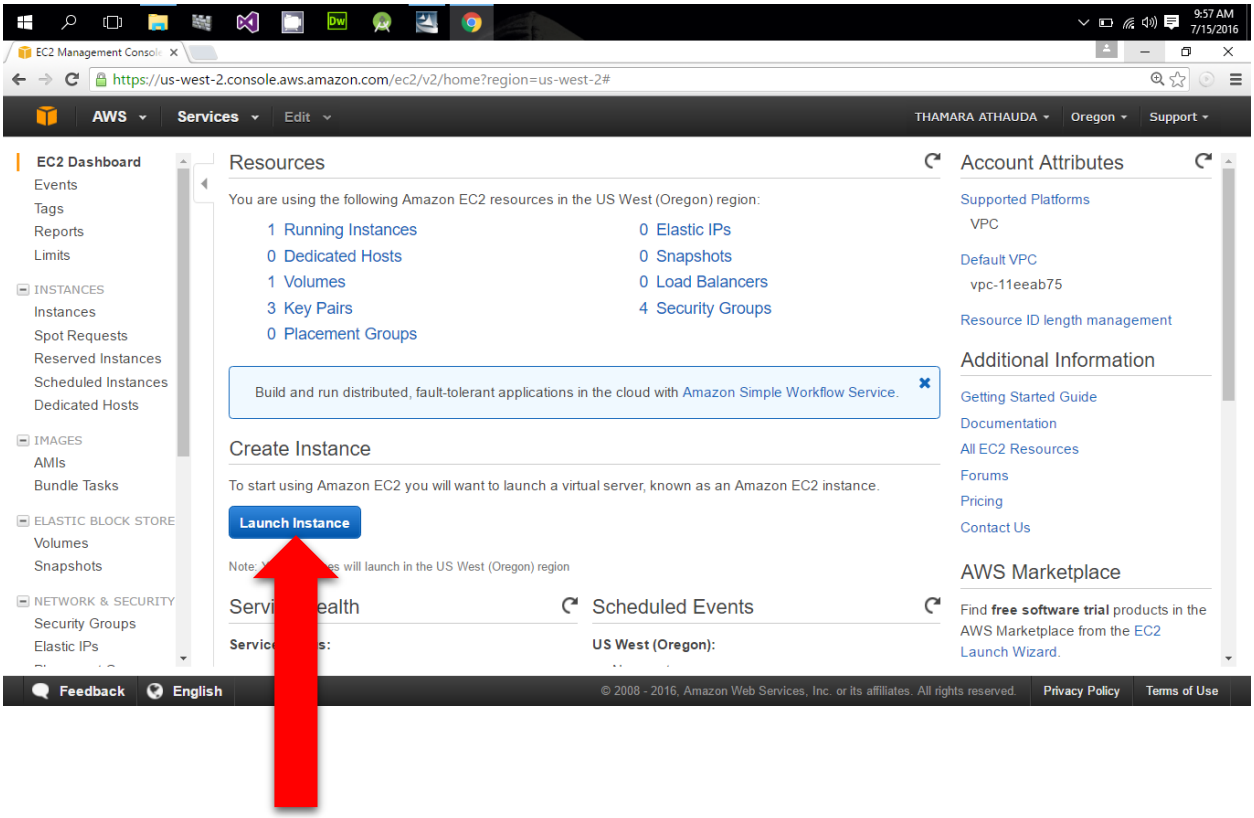
Practical 1

Create a windows instance

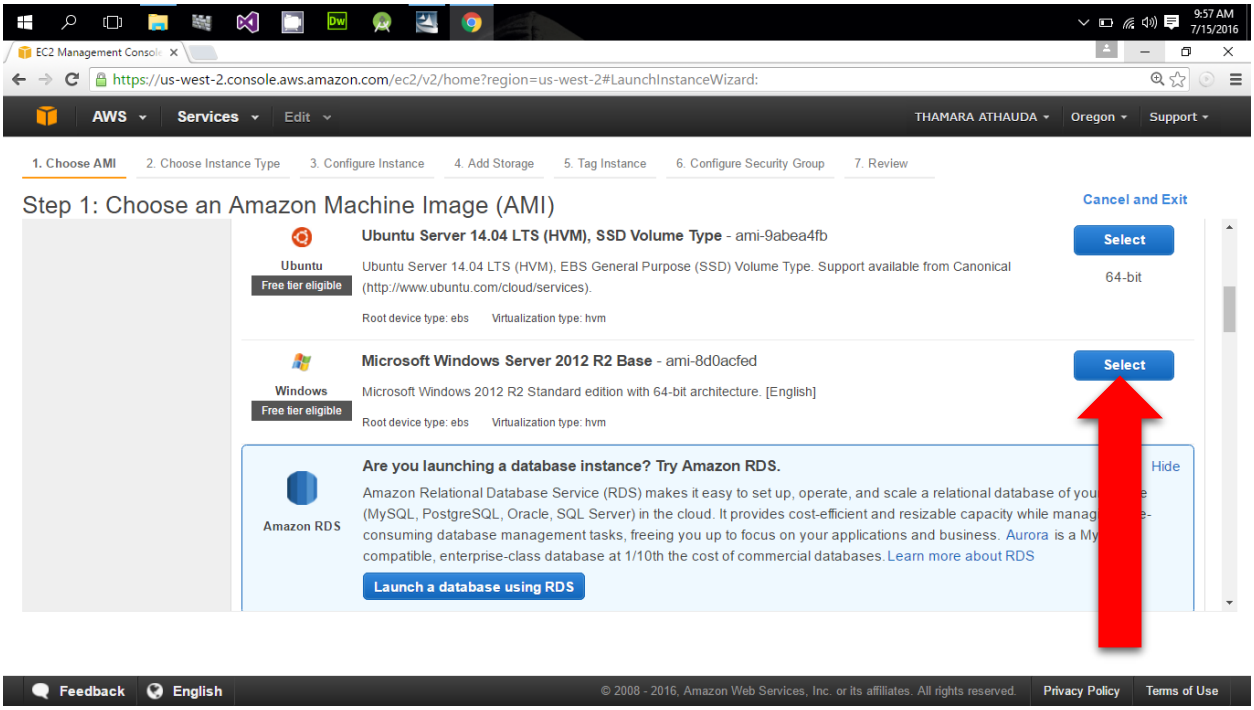
- ## Launch an instance

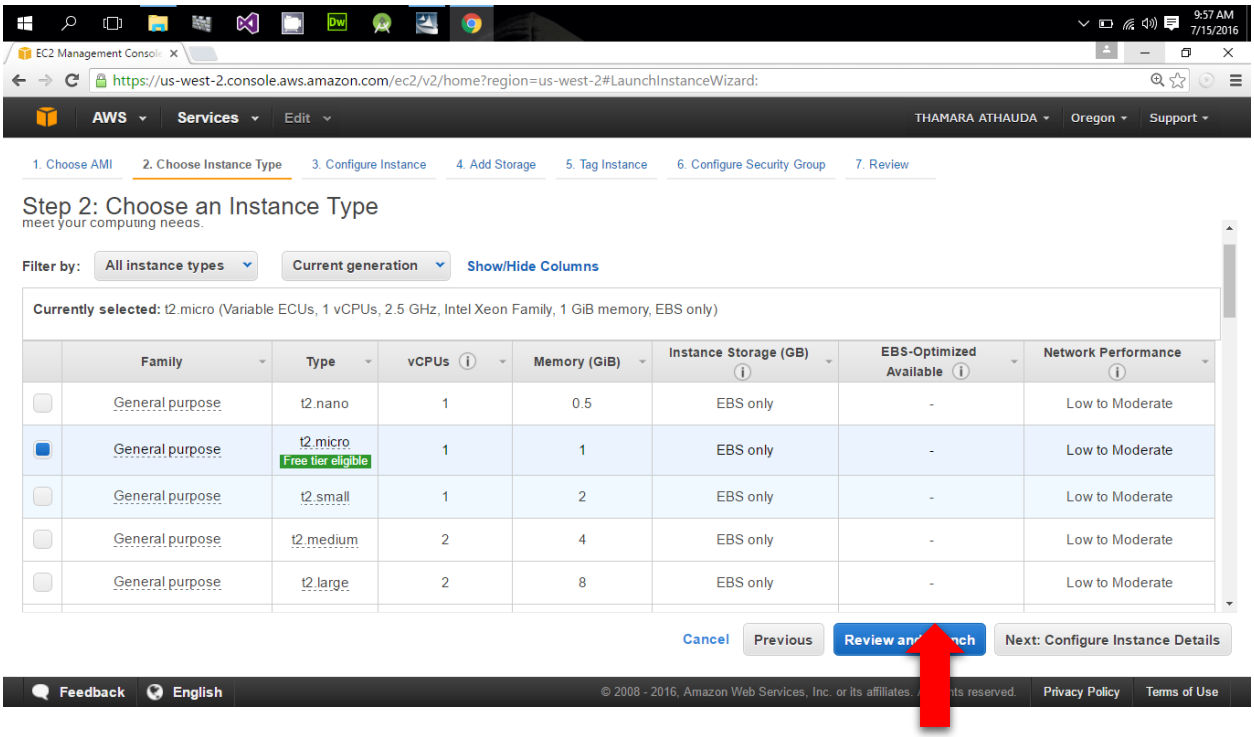
Open the Amazon EC2 console at https://console.aws.amazon.com/ec2/

And From the console dashboard, choose **Launch Instance**.



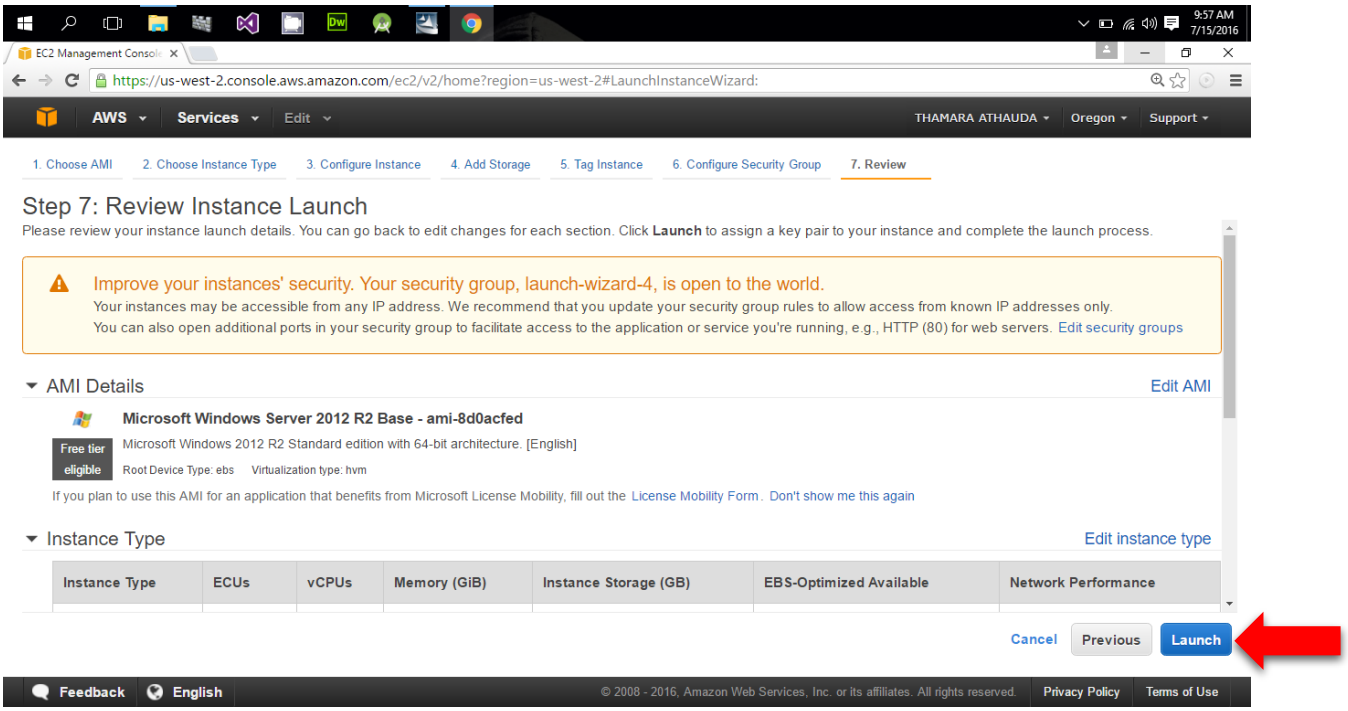
The **Choose an Amazon Machine Image (AMI)** page displays a list of basic configurations, called *Amazon Machine Images (AMIs)* that serve as templates for your instance. Select the AMI for Microsoft Windows Server 2012 R2 Base or Microsoft Windows Server 2008 R2 Base.



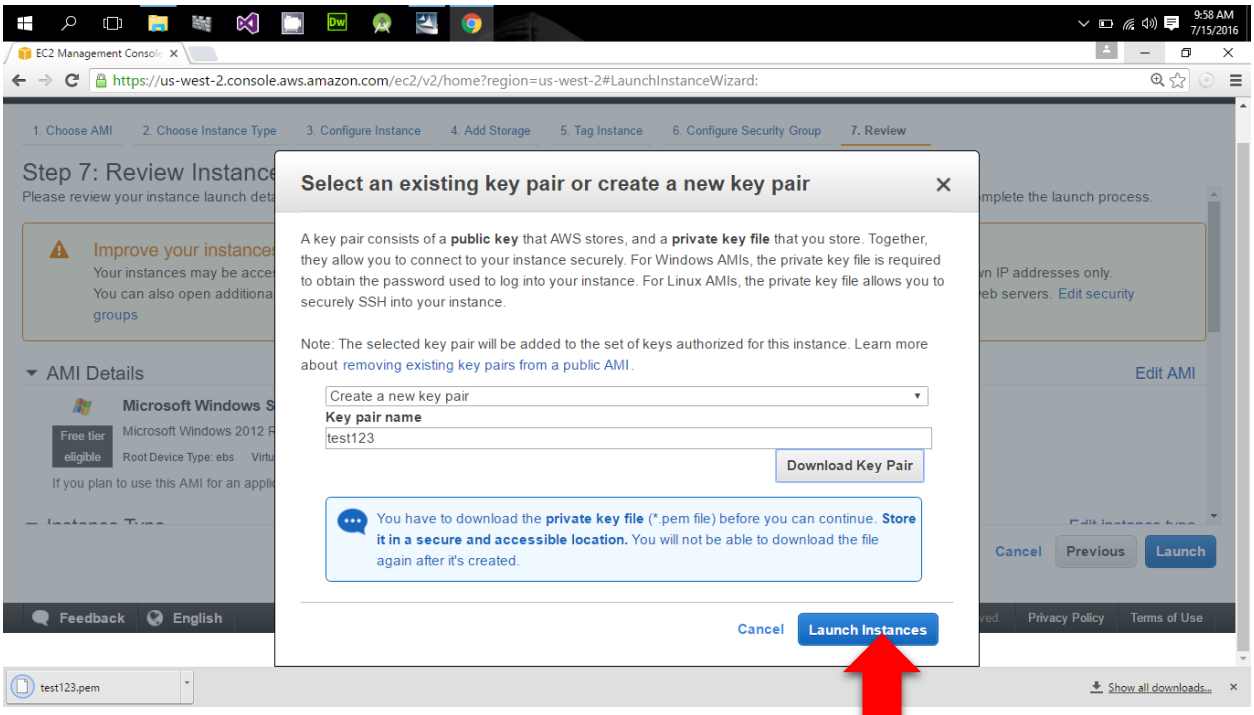


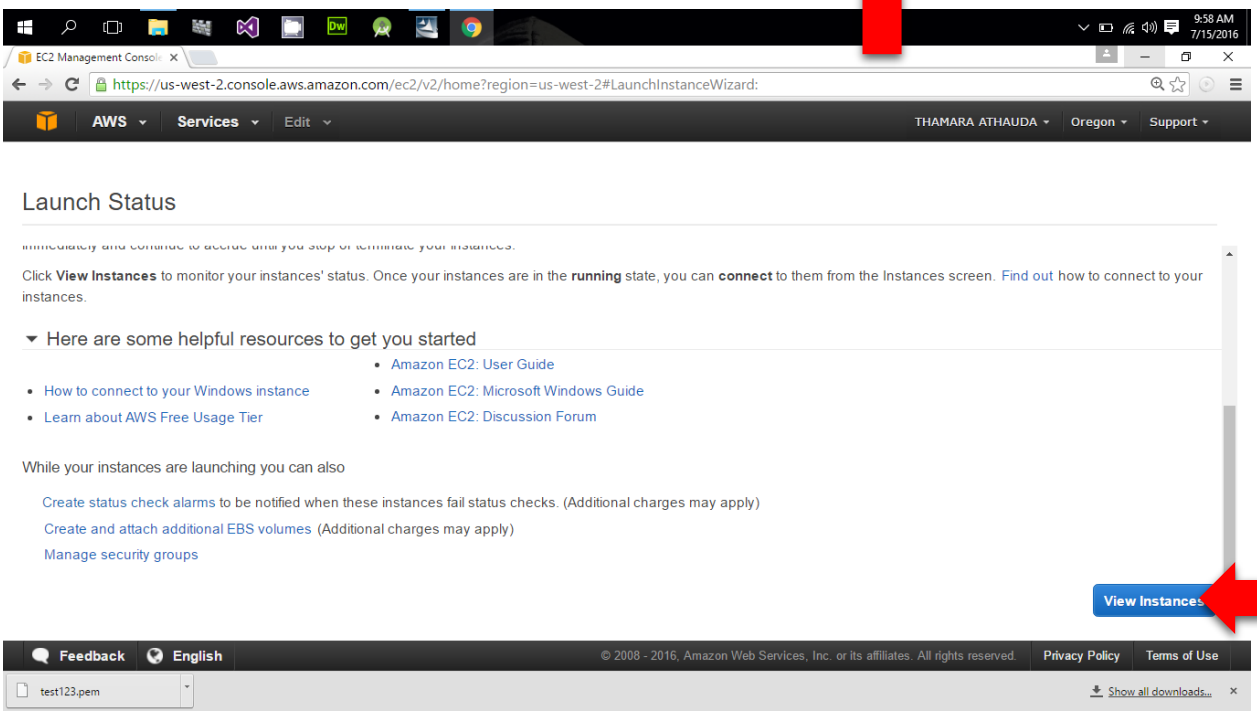
Choose **Review and Launch** to let the wizard complete the other configuration settings.

On the **Review Instance Launch** page, choose **Launch**.

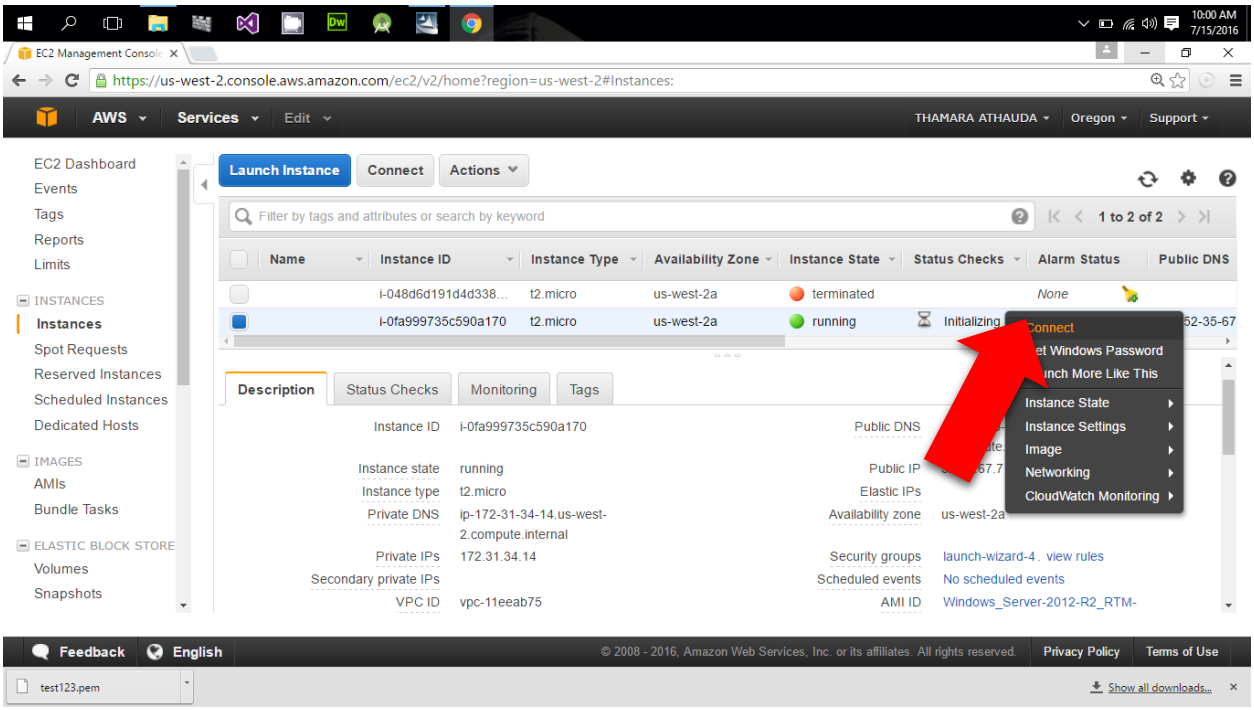


When prompted for a key pair, select **Create a new key pair**, then select the key pair that you created when getting set up. When you are ready, select the acknowledgement check box, and then choose **Launch Instances**.


https://us-west-2.console.aws.amazon.com/ec2/v2/home?region=us-west-2#LaunchInstanceWizard:
1. Choose AMI
2. Choose Instance Type
3. Configure Instance
4. Add Storage
5. Tag Instance
6. Configure Security Group
7. Review
Step 7: Review Instance
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
test123
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
AMI Details
Edit AMI
Cancel
Previous
Launch
Feedback
English
Privacy Policy
Terms of Use
test123.pem
Show all downloads...

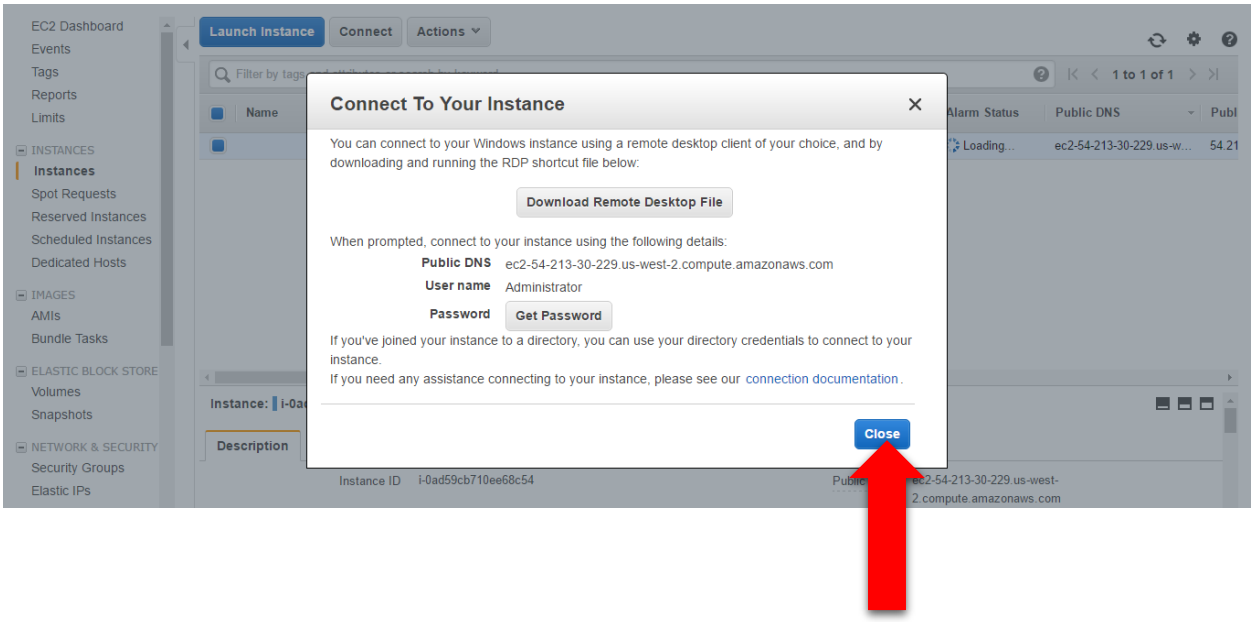

https://us-west-2.console.aws.amazon.com/ec2/v2/home?region=us-west-2#LaunchInstanceWizard:
AWS
Services
Edit
THAMARA ATHAUDA
Oregon
Support
Launch Status
Click View Instances to monitor your instances' status. Once your instances are in the running state, you can connect to them from the Instances screen. Find out how to connect to your instances.
Here are some helpful resources to get you started
Amazon EC2: User Guide
How to connect to your Windows instance
Amazon EC2: Microsoft Windows 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
Feedback
English
© 2008 - 2016, Amazon Web Services, Inc. or its affiliates. All rights reserved.
Privacy Policy
Terms of Use
test123.pem
Show all downloads...

On the **Instances** screen, you can view the status of the launch. It takes a short time for an instance to launch. When you launch an instance, its initial state is pending. After the instance starts, its state changes to running and it receives a public DNS name.

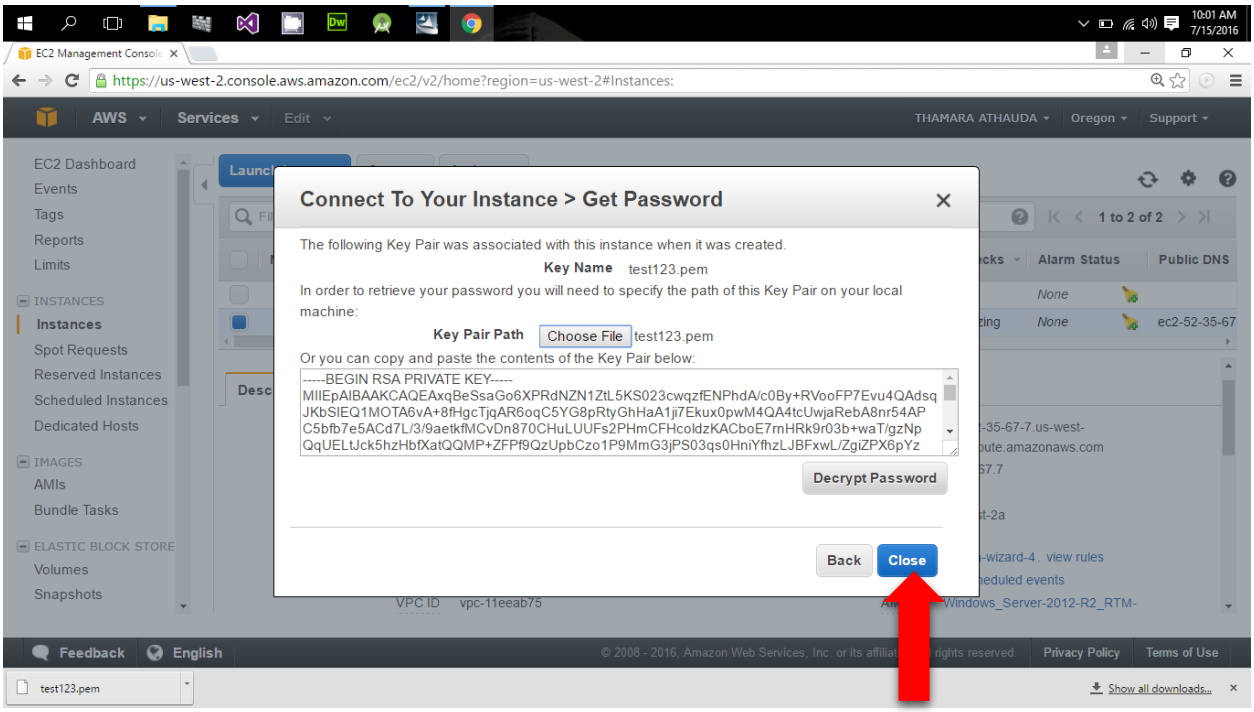


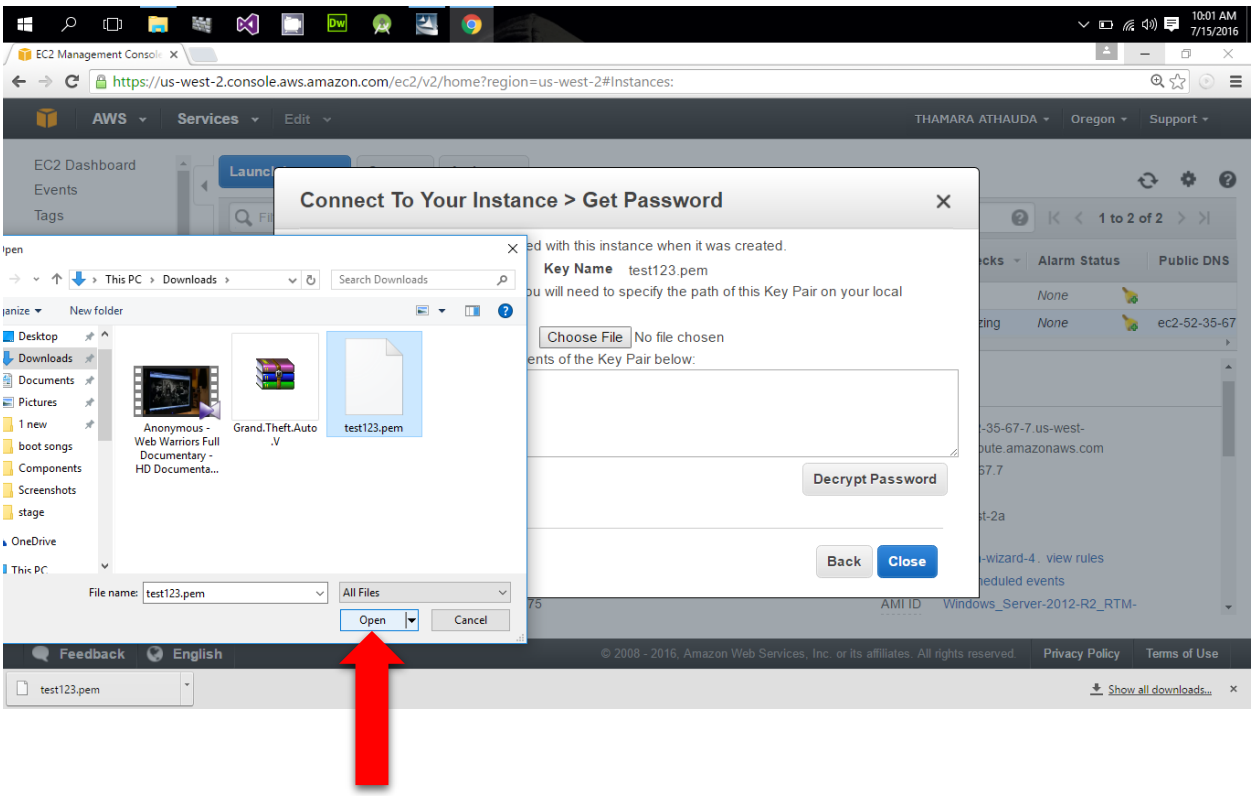
- **Connect the instance.**

In the **Connect to Your Instance** dialog box, choose **Get Password**

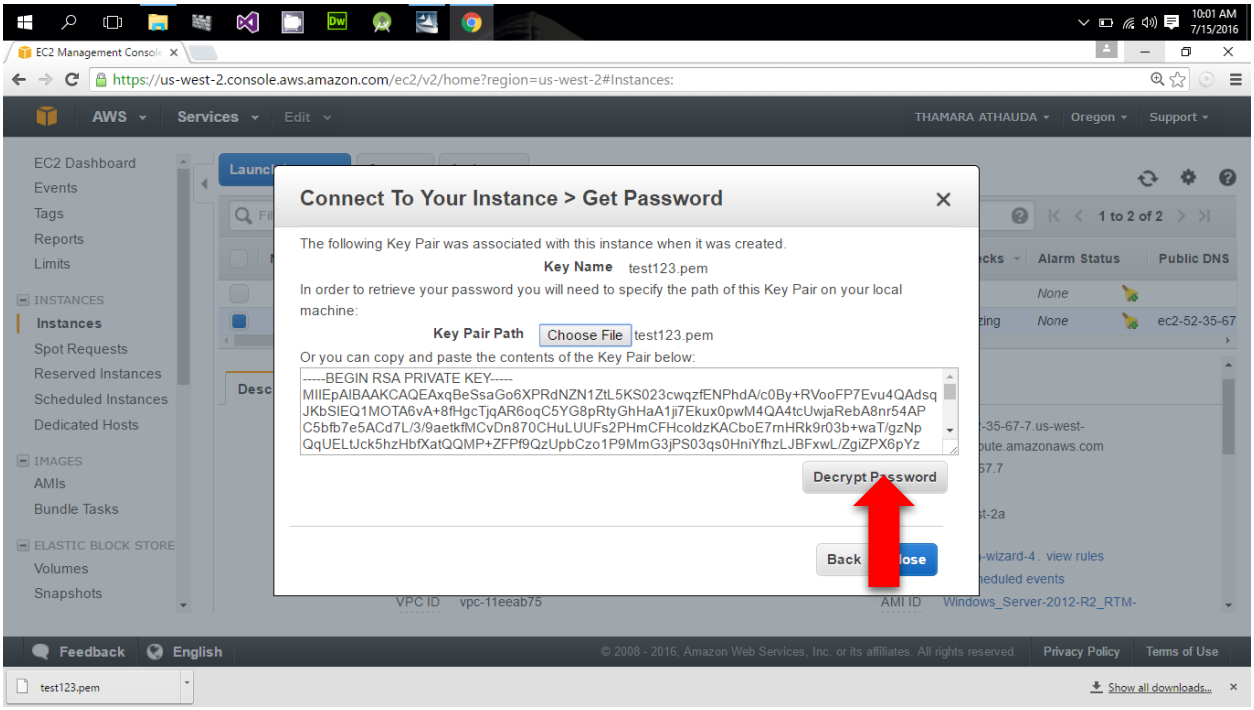


Choose **Browse** and navigate to the private key file you created when you launched the instance. Select the file and choose **Open** to copy the entire contents of the file into contents box.

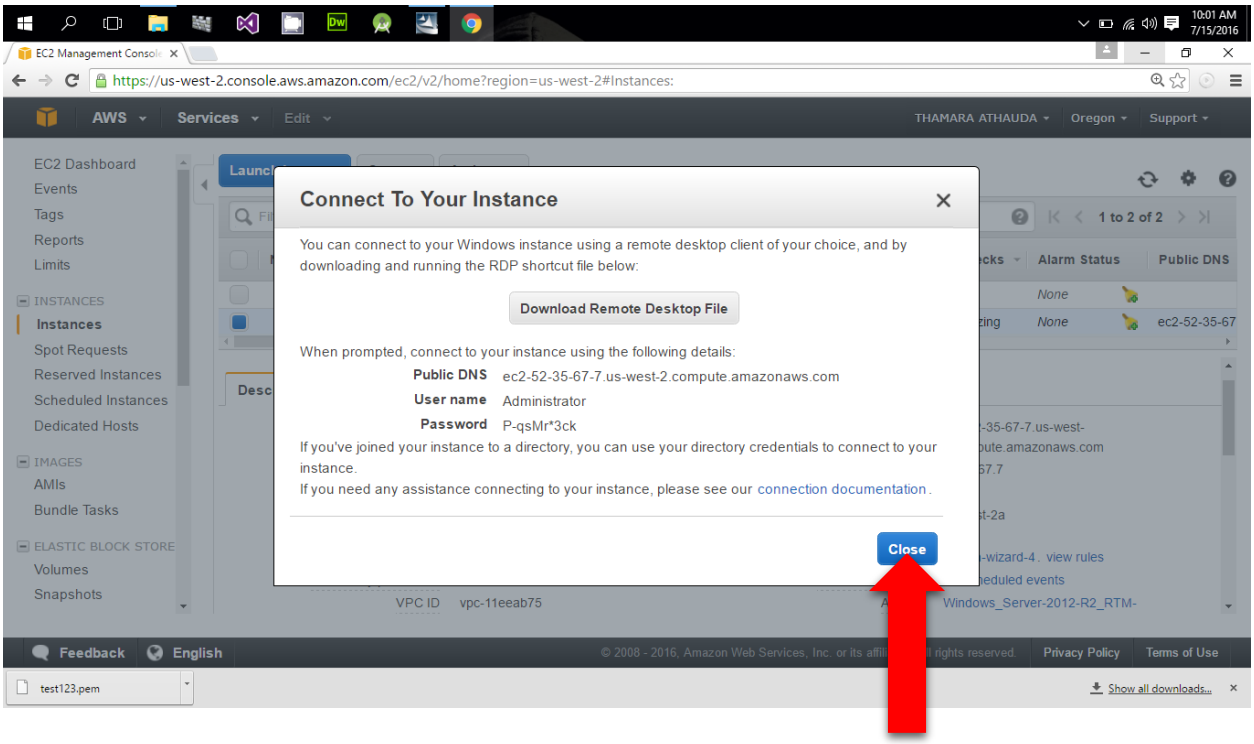




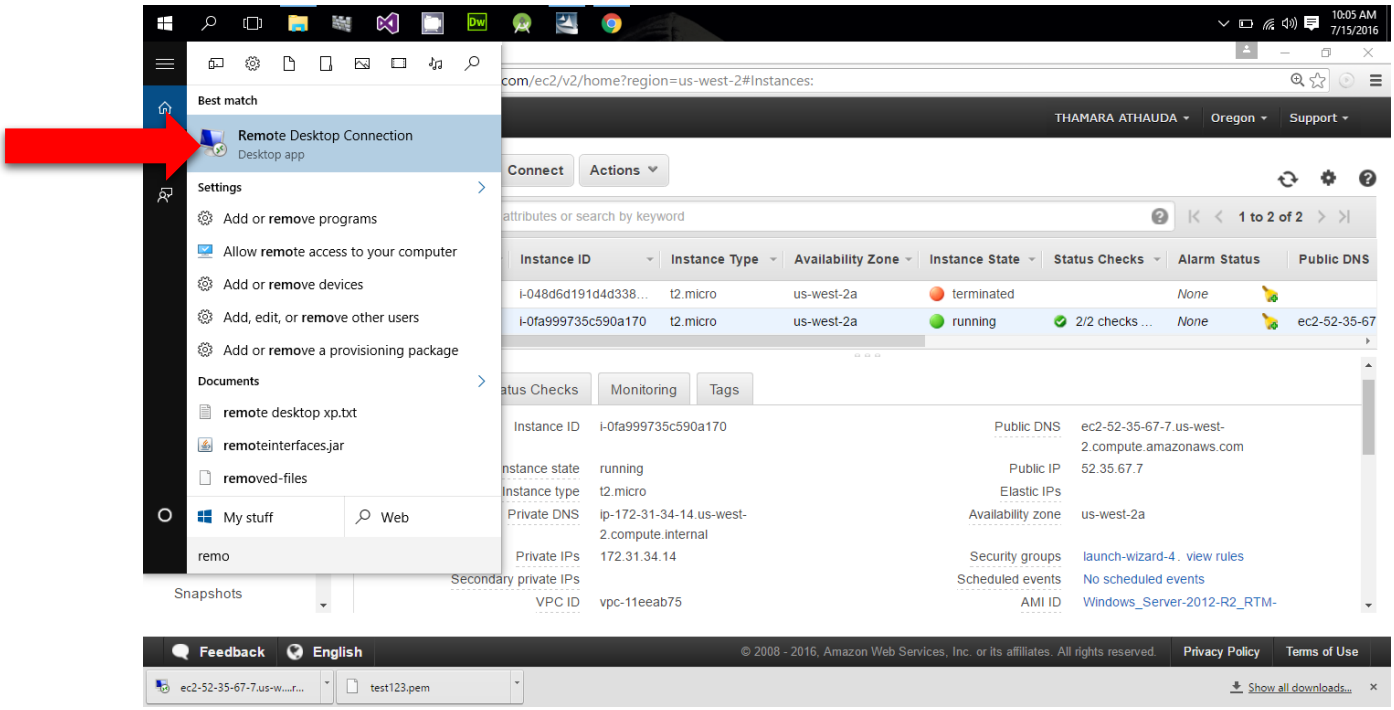
Choose **Decrypt Password**. The console displays the default administrator password for the instance in the **Connect to Your Instance** dialog box, replacing the link to **Get Password** shown previously with the actual password.



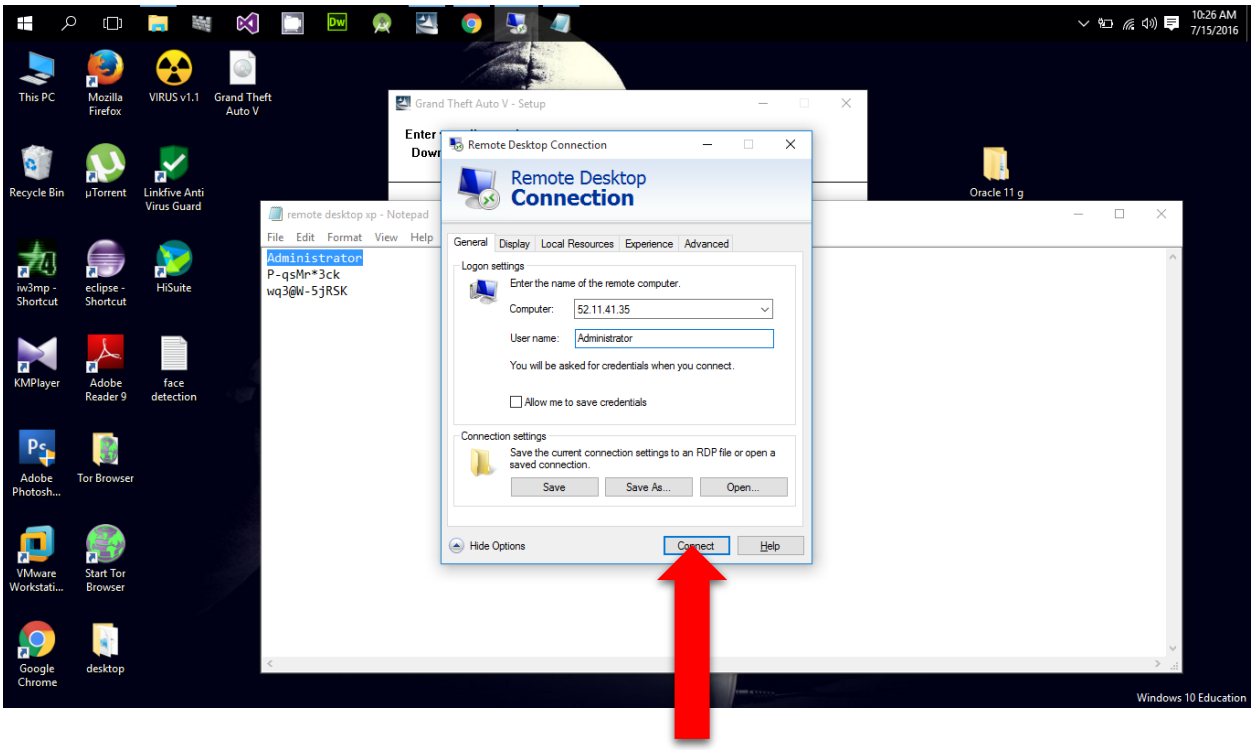
When you have finished, you can choose **Close** to dismiss the **Connect to Your Instance** dialog box.



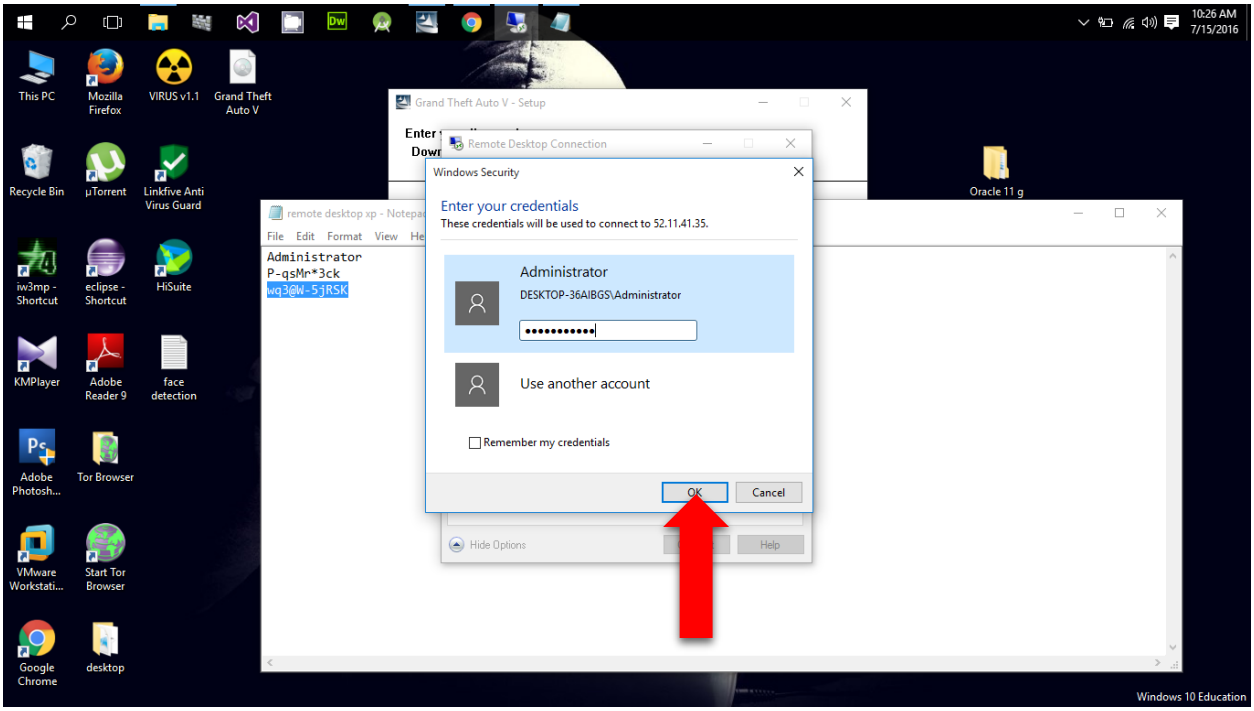
Open **Remote Desktop Connection**. And continue as following.

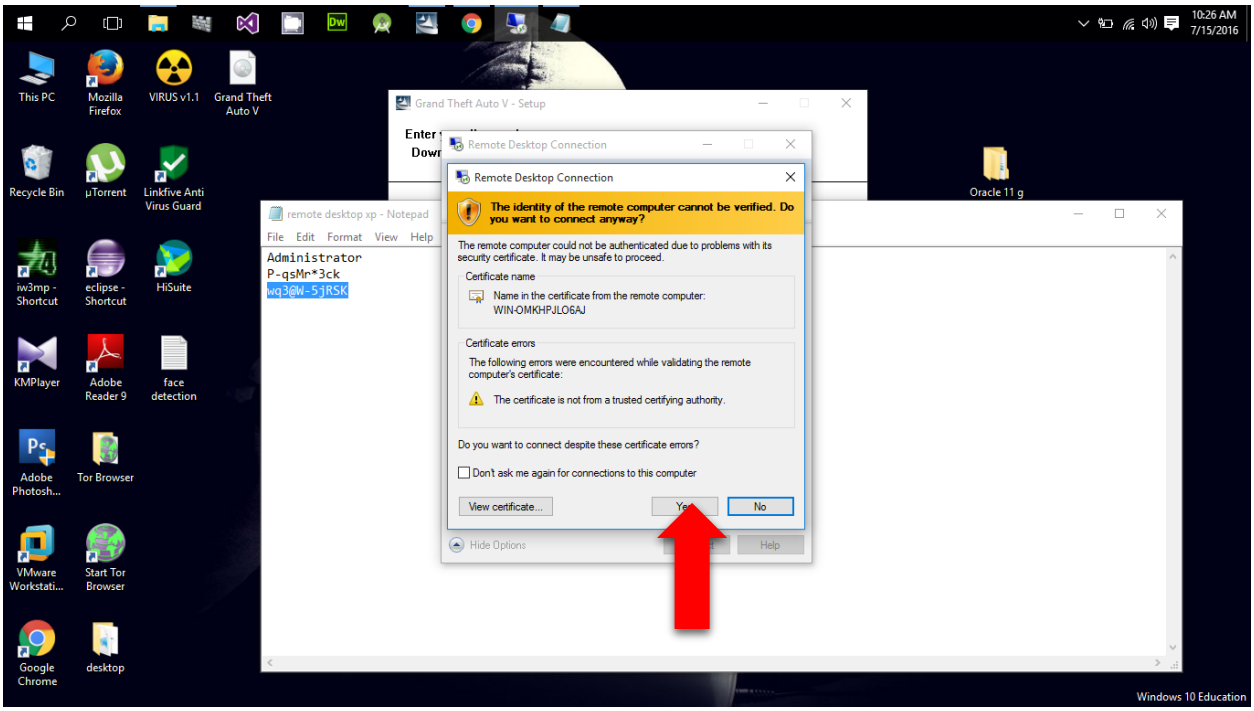


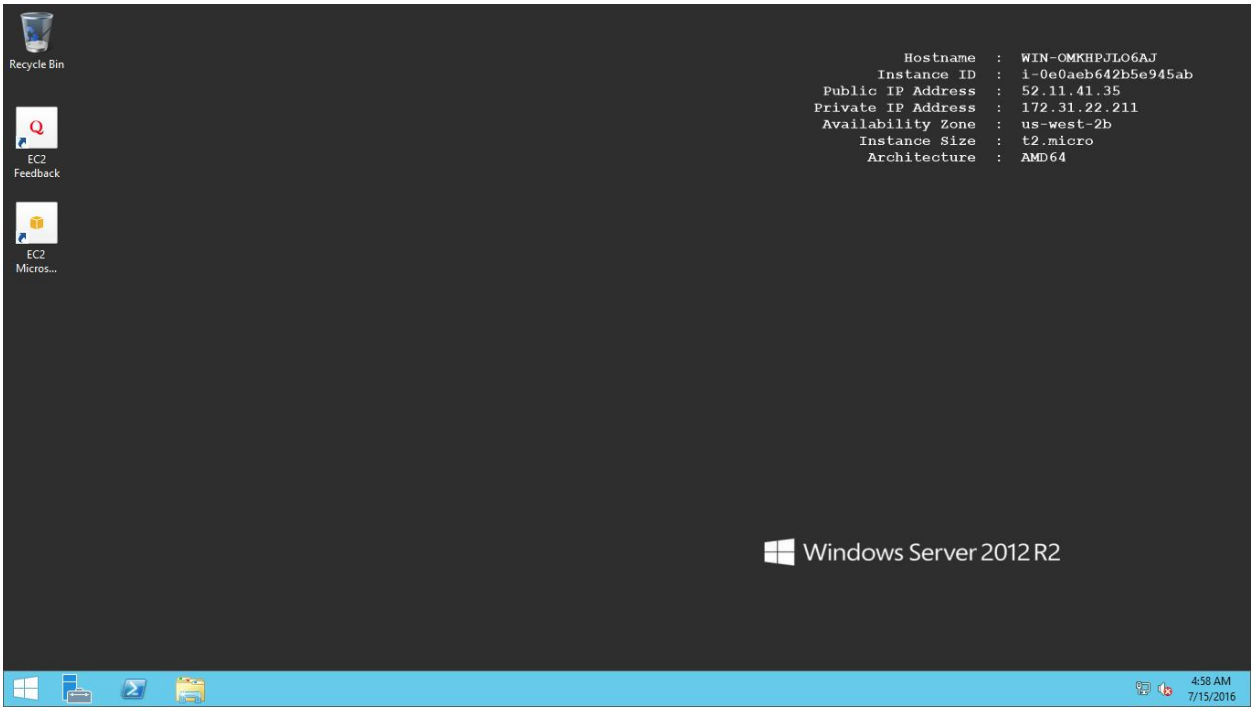
Enter the previously generated public ip address and user name in remote desktop connection dialog box and select connect.



Next prompt dialog box enter the password under administrator and click ok.




This PC
Mozilla Firefox
VIRUS v1.1
Grand Theft Auto V
Recycle Bin
µTorrent
Linkfive Anti Virus Guard
iw3mp - Shortcut
eclipse - Shortcut
HiSuite
KMPlayer
Adobe Reader 9
face detection
Adobe Photosh...
Tor Browser
VMware Workstati...
Start Tor Browser
Google Chrome
desktop
Oracle 11 g
Grand Theft Auto V - Setup
Remote Desktop Connection
Remote Desktop Connection
The identity of the remote computer cannot be verified. Do you want to connect anyway?
The remote computer could not be authenticated due to problems with its security certificate. It may be unsafe to proceed.
Certificate name
Name in the certificate from the remote computer:
WIN-OMKHPJLO6AJ
Certificate errors
The following errors were encountered while validating the remote computer's certificate:
The certificate is not from a trusted certifying authority.
Do you want to connect despite these certificate errors?
Don't ask me again for connections to this computer
View certificate...
Yes
No
Hide Options
Help
remote desktop xp - Notepad
File Edit Format View Help
Administrator
P-qsMr*3ck
wq3@W-5jRSK
10:26 AM
7/15/2016
Windows 10 Education


Recycle Bin
EC2 Feedback
EC2 Micros...
Hostname : WIN-OMKHPJLO6AJ
Instance ID : i-0e0aeb642b5e945ab
Public IP Address : 52.11.41.35
Private IP Address : 172.31.22.211
Availability Zone : us-west-2b
Instance Size : t2.micro
Architecture : AMD64
Windows Server 2012 R2
4:58 AM
7/15/2016

- **References:**

http://docs.aws.amazon.com/AWSEC2/latest/UserGuide/EC2_GetStarted.html

http://docs.aws.amazon.com/AWSEC2/latest/WindowsGuide/EC2_GetStarted.html