



Configuring Windows and Linux Servers on AWS

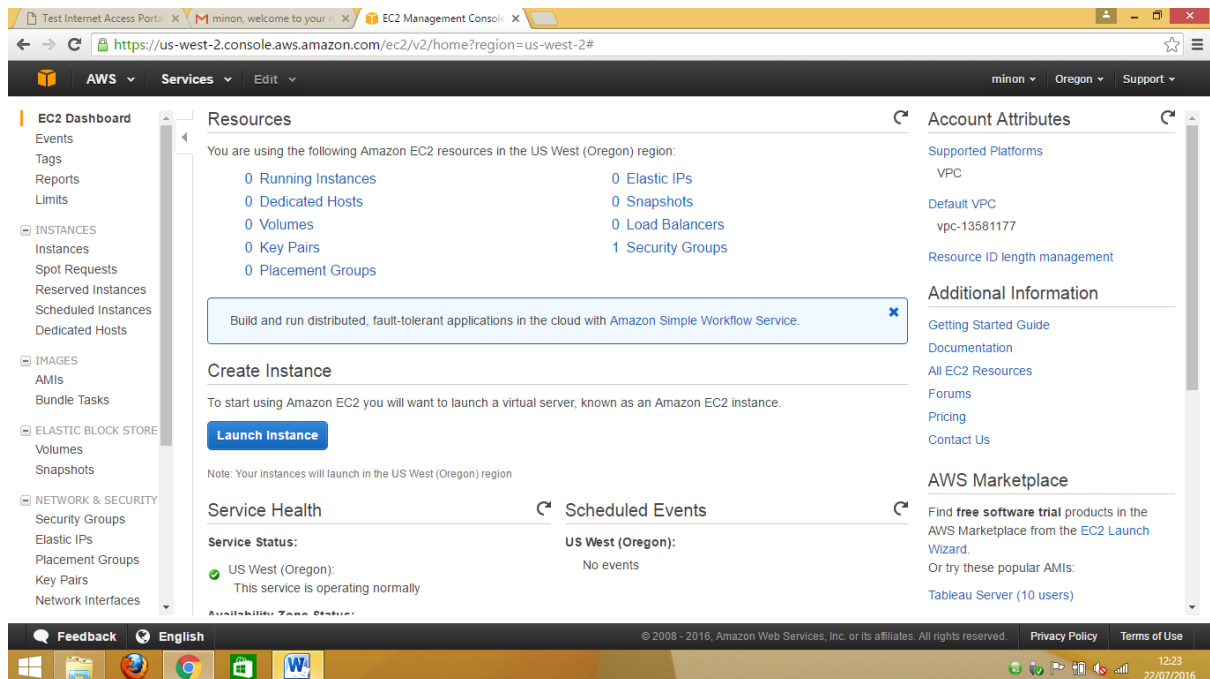
ESBPI LAB ASSIGNMENT 1

W.M.D Thenabandu

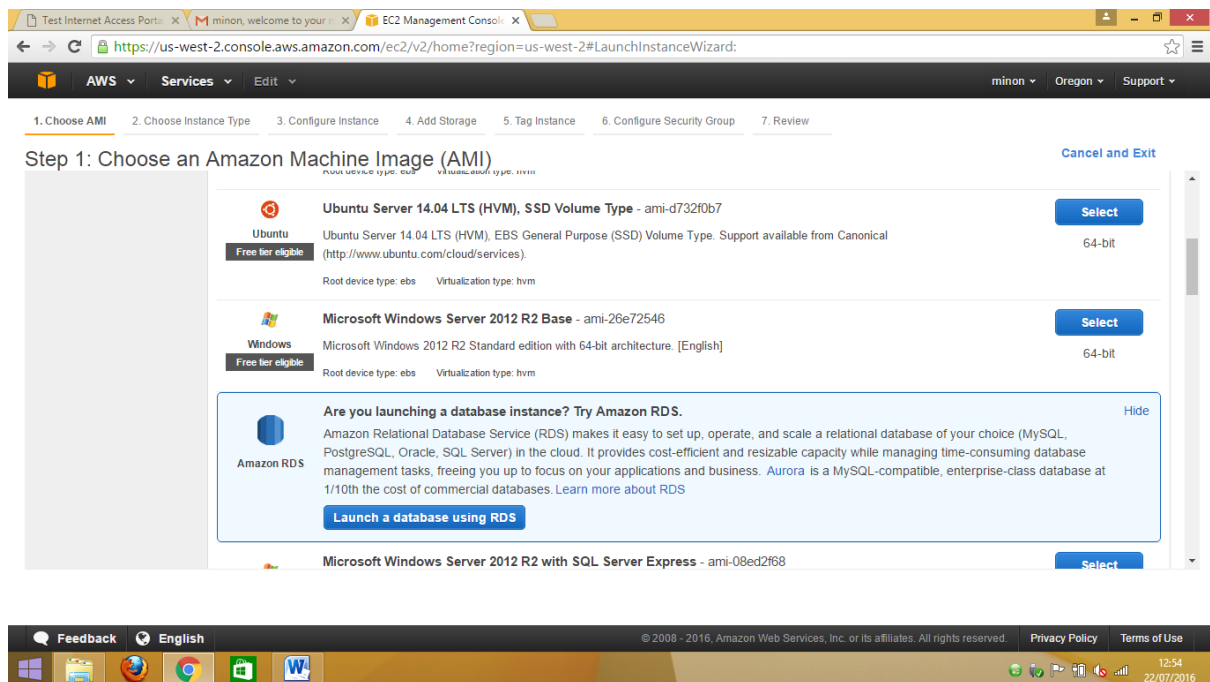
IT13074128

Windows

Windows EC2 Dashboard is seen below, Click 'Launch Instance' to create a new Windows instance.



Click 'Select' in 'Microsoft Windows Server 2012 R2 Base



Click ‘Review and Launch’

Test Internet Access Port... X minion, welcome to your... X EC2 Management Console X

https://us-west-2.console.aws.amazon.com/ec2/v2/home?region=us-west-2#LaunchInstanceWizard:

AWS Services Edit minion Oregon Support

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Tag Instance 6. Configure Security Group 7. Review

Step 2: Choose an Instance Type

Amazon EC2 provides a wide selection of instance types optimized to fit different use cases. Instances are virtual servers that can run applications. They have varying combinations of CPU, memory, storage, and networking capacity, and give you the flexibility to choose the appropriate mix of resources for your applications. [Learn more](#) about instance types and how they can meet your computing needs.

Filter by: All instance types Current generation Show/Hide Columns

Currently selected: t2.micro (Variable ECUs, 1 vCPUs, 2.5 GHz, Intel Xeon Family, 1 GiB memory, EBS only)

	Family	Type	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
<input type="checkbox"/>	General purpose	t2.nano	1	0.5	EBS only	-	Low to Moderate
<input checked="" type="checkbox"/>	General purpose	t2.micro Free tier eligible	1	1	EBS only	-	Low to Moderate
<input type="checkbox"/>	General purpose	t2.small	1	2	EBS only	-	Low to Moderate
<input type="checkbox"/>	General purpose	t2.medium	2	4	EBS only	-	Low to Moderate
<input type="checkbox"/>	General purpose	t2.large	2	8	EBS only	-	Low to Moderate
<input type="checkbox"/>	General purpose	m4.large	2	8	EBS only	Yes	Moderate

Cancel Previous **Review and Launch** Next: Configure Instance Details

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Click ‘Launch’

Test Internet Access Port... X minion, welcome to your... X EC2 Management Console X

https://us-west-2.console.aws.amazon.com/ec2/v2/home?region=us-west-2#LaunchInstanceWizard:

AWS Services Edit minion Oregon Support

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 Launch

Please review your instance launch details. You can go back to edit changes for each section. Click **Launch** to assign a key pair to your instance and complete the launch process.

⚠ Improve your instances' security. Your security group, launch-wizard-1, is open to the world.

Your instances may be accessible from any IP address. We recommend that you update your security group rules to allow access from known IP addresses only. You can also open additional ports in your security group to facilitate access to the application or service you're running, e.g., HTTP (80) for web servers. [Edit security groups](#)

AMI Details [Edit AMI](#)

Microsoft Windows Server 2012 R2 Base - ami-26e72546

Free tier eligible Microsoft Windows 2012 R2 Standard edition with 64-bit architecture. [English]
Root Device Type: ebs Virtualization type: hvm

Instance Type [Edit instance type](#)

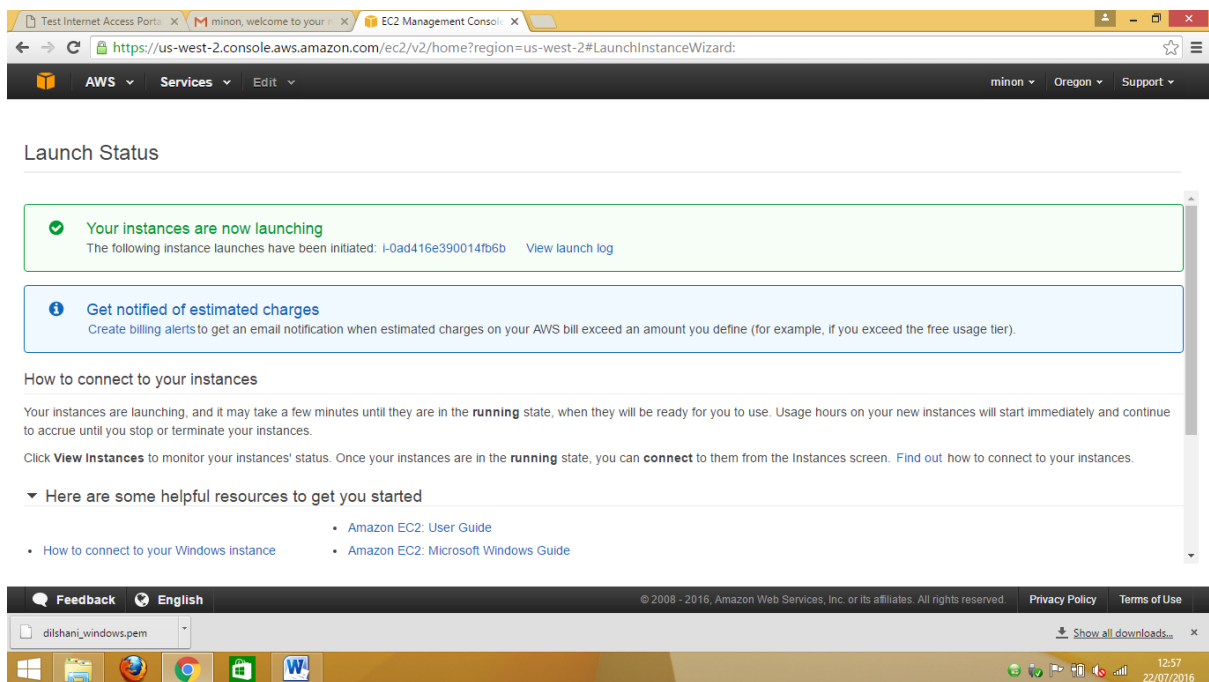
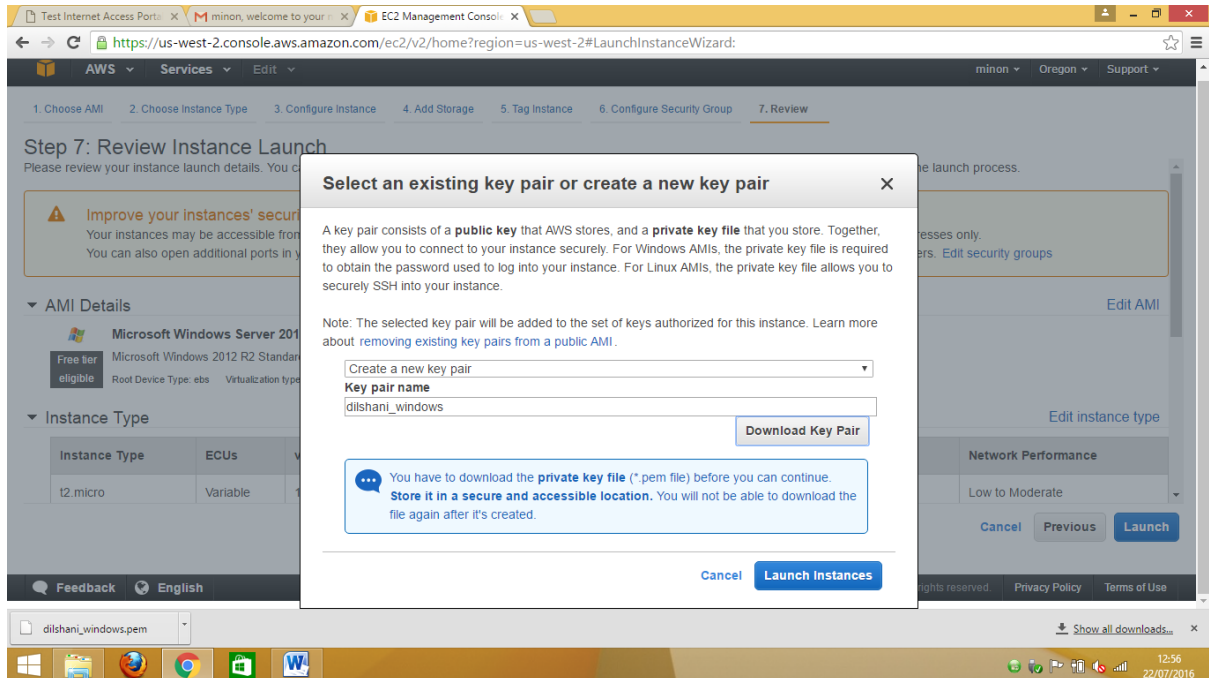
Instance Type	ECUs	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
t2.micro	Variable	1	1	EBS only	-	Low to Moderate

Security Groups [Edit security groups](#)

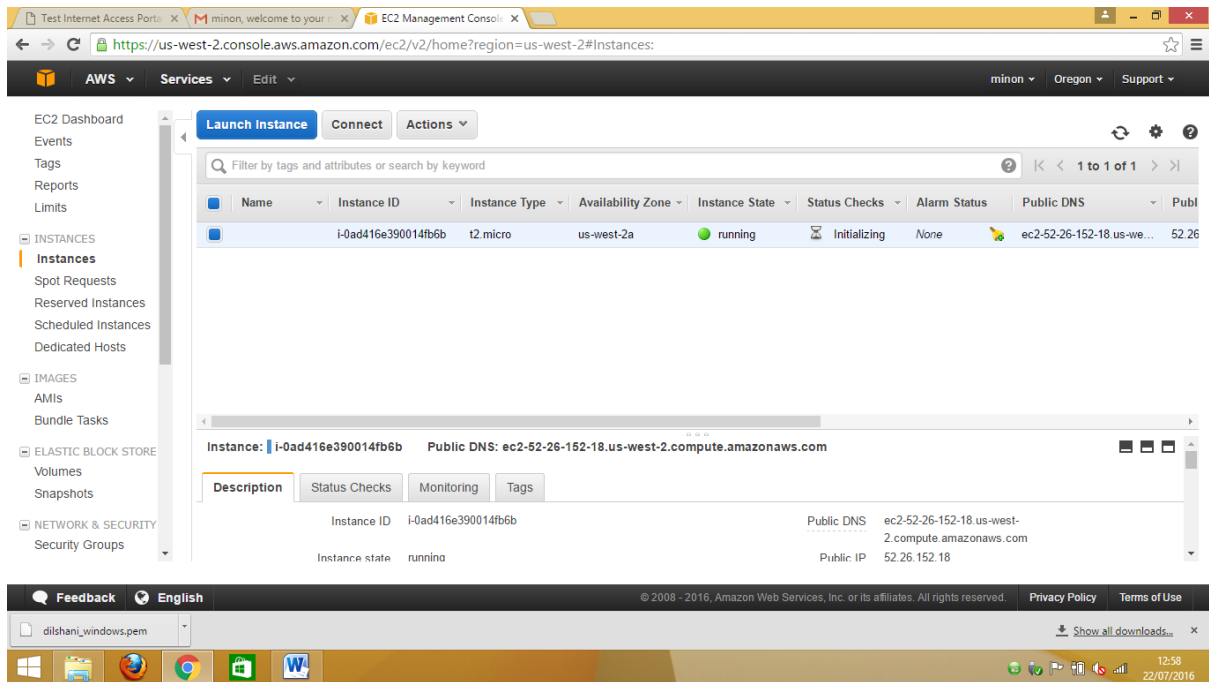
Cancel Previous **Launch**

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Select 'Create a new key pair' and give any name to 'Key pair name' and click 'Download Key Pair' then a file named minion.pem will download after that click 'Launch Instances'.

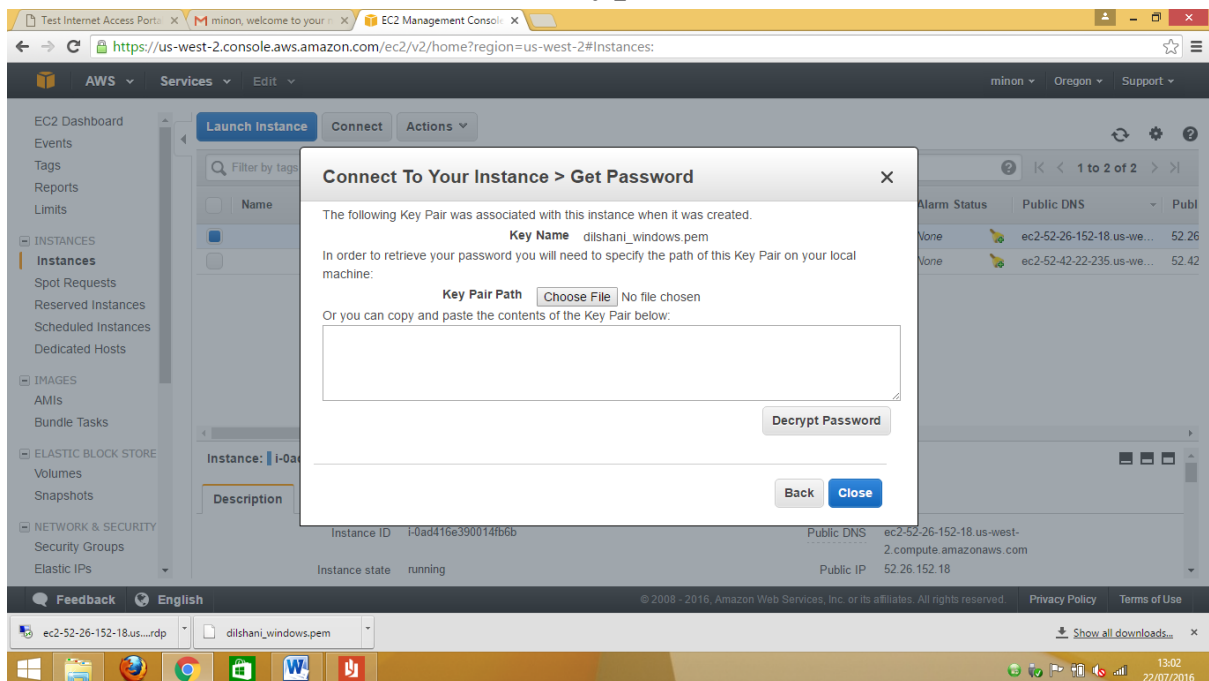


Connect to your instance.



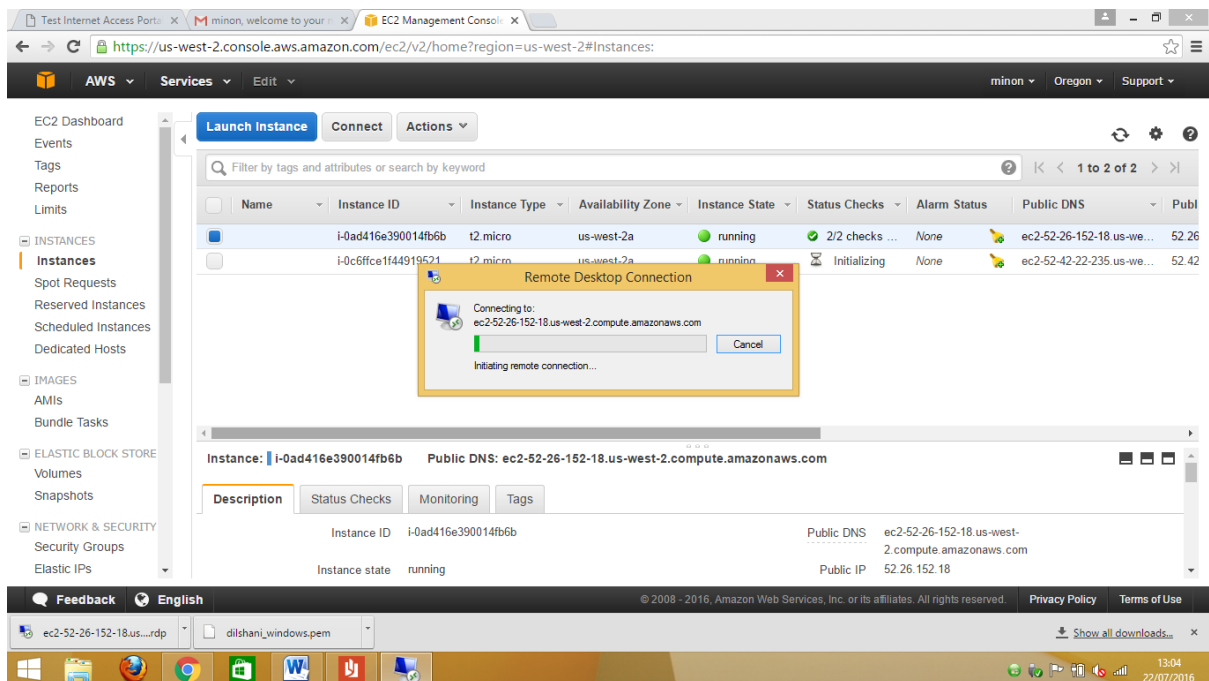
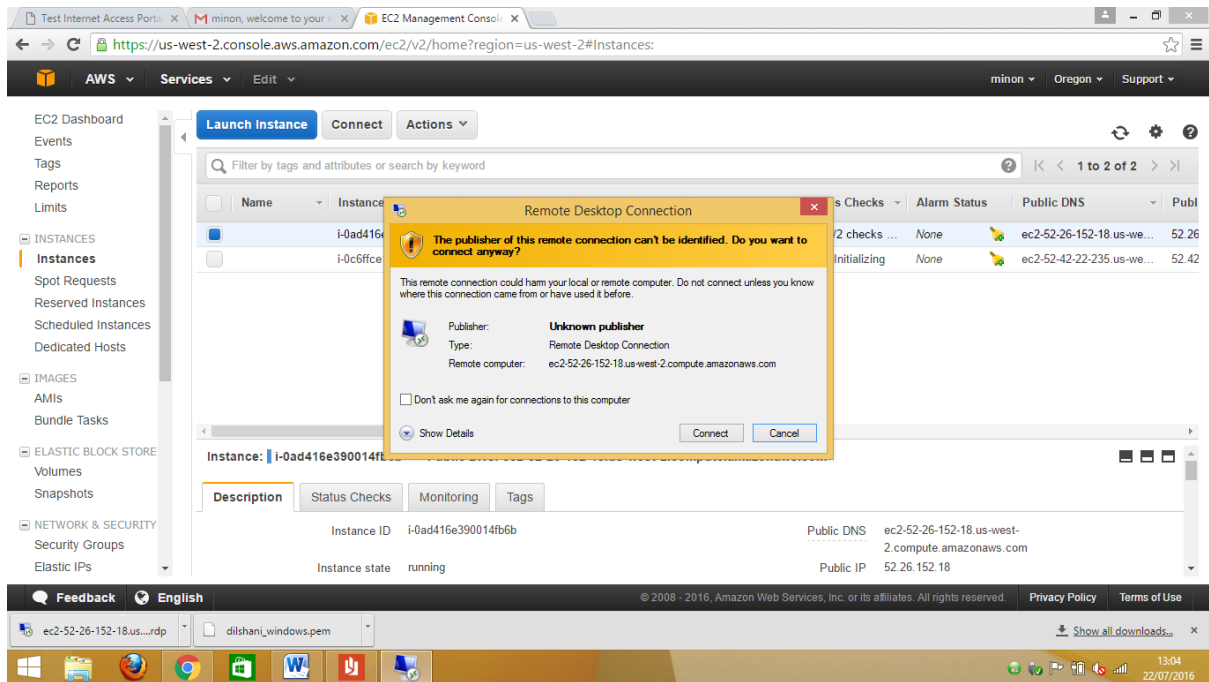
The screenshot shows the AWS Management Console for the us-west-2 region. The left sidebar contains navigation links for EC2 Dashboard, Events, Tags, Reports, Limits, INSTANCES, SPOT REQUESTS, RESERVED INSTANCES, SCHEDULED INSTANCES, DEDICATED HOSTS, IMAGES, AMIs, BUNDLE TASKS, ELASTIC BLOCK STORE, VOLUMES, SNAPSHOTS, NETWORK & SECURITY, SECURITY GROUPS, and ELASTIC IPs. The main content area displays a table of EC2 instances. The instance i-0ad416e390014fb6b is highlighted, showing its details: Name (i-0ad416e390014fb6b), Instance ID (i-0ad416e390014fb6b), Instance Type (t2.micro), Availability Zone (us-west-2a), Instance State (running), Status Checks (Initializing), Alarm Status (None), Public DNS (ec2-52-26-152-18.us-west-2.compute.amazonaws.com), and Public IP (52.26.152.18). The instance is running on the Amazon Linux AMI.

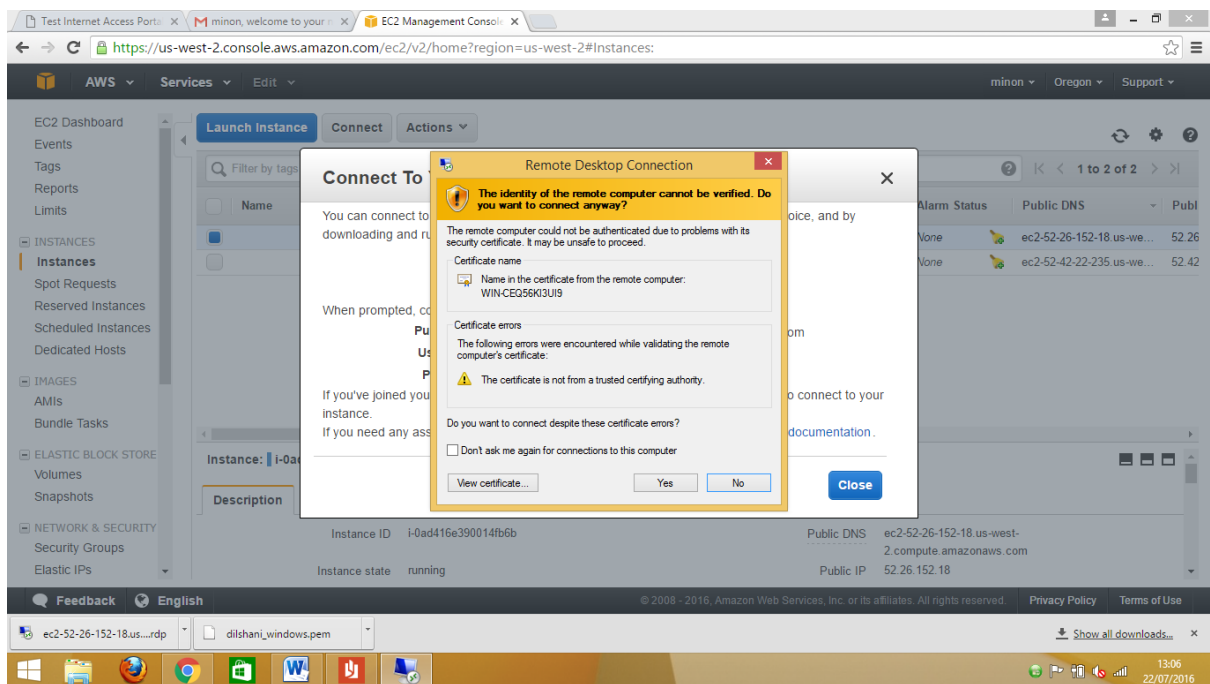
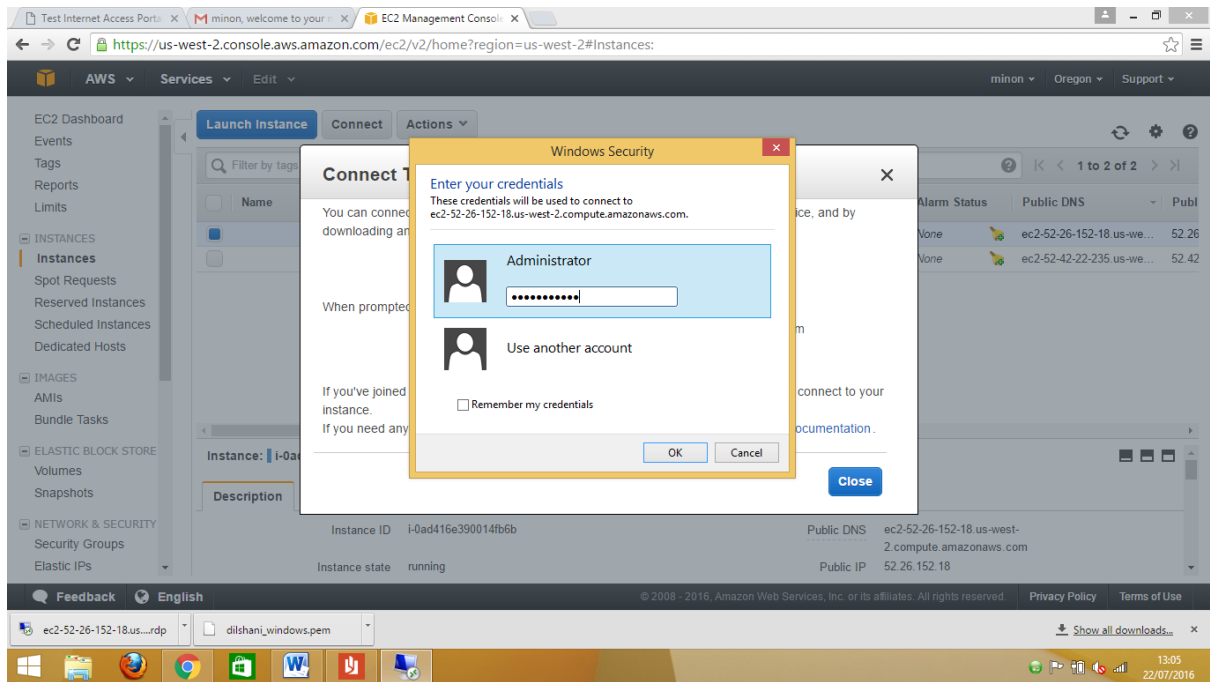
Click ‘Get Password’ & ‘Decrypt Password’.



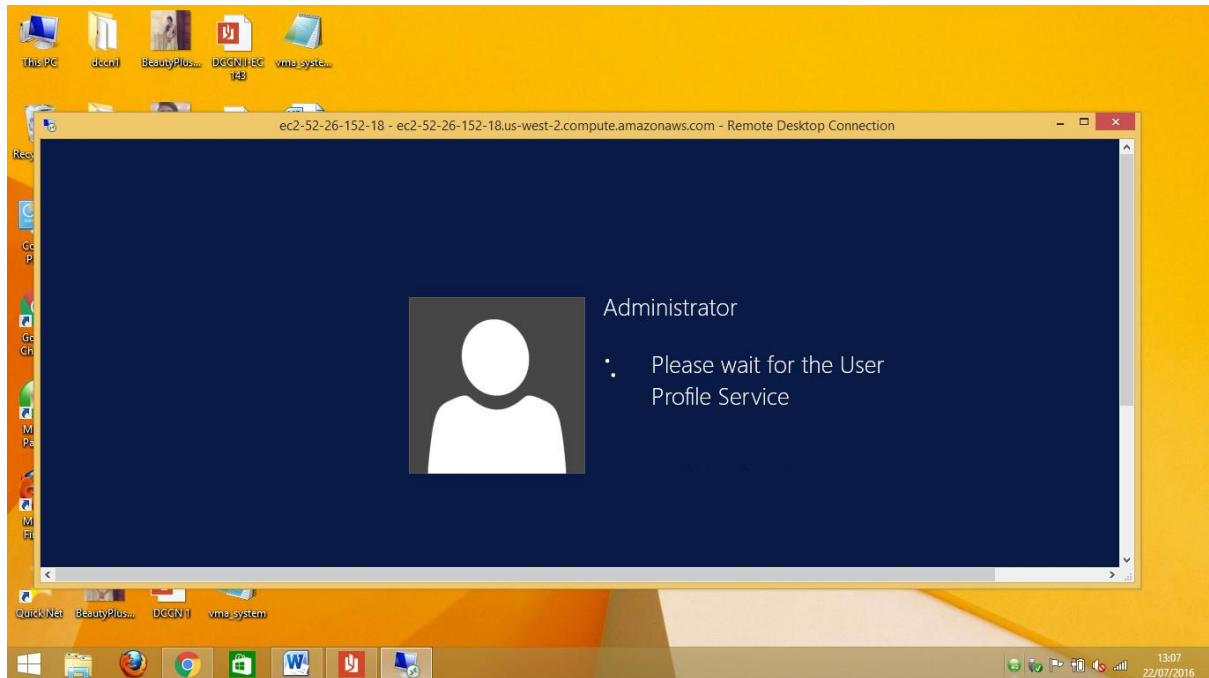
The screenshot shows the AWS Management Console with the 'Connect To Your Instance > Get Password' dialog box open. The dialog box contains the following text: 'The following Key Pair was associated with this instance when it was created. Key Name: dilshani_windows.pem. In order to retrieve your password you will need to specify the path of this Key Pair on your local machine: Key Pair Path: Choose File. No file chosen. Or you can copy and paste the contents of the Key Pair below:'. There is a text area for pasting the key pair contents and a 'Decrypt Password' button. The background shows the same EC2 instance details as the previous screenshot.

Click 'Choose File' and choose dilshani_windows.pem

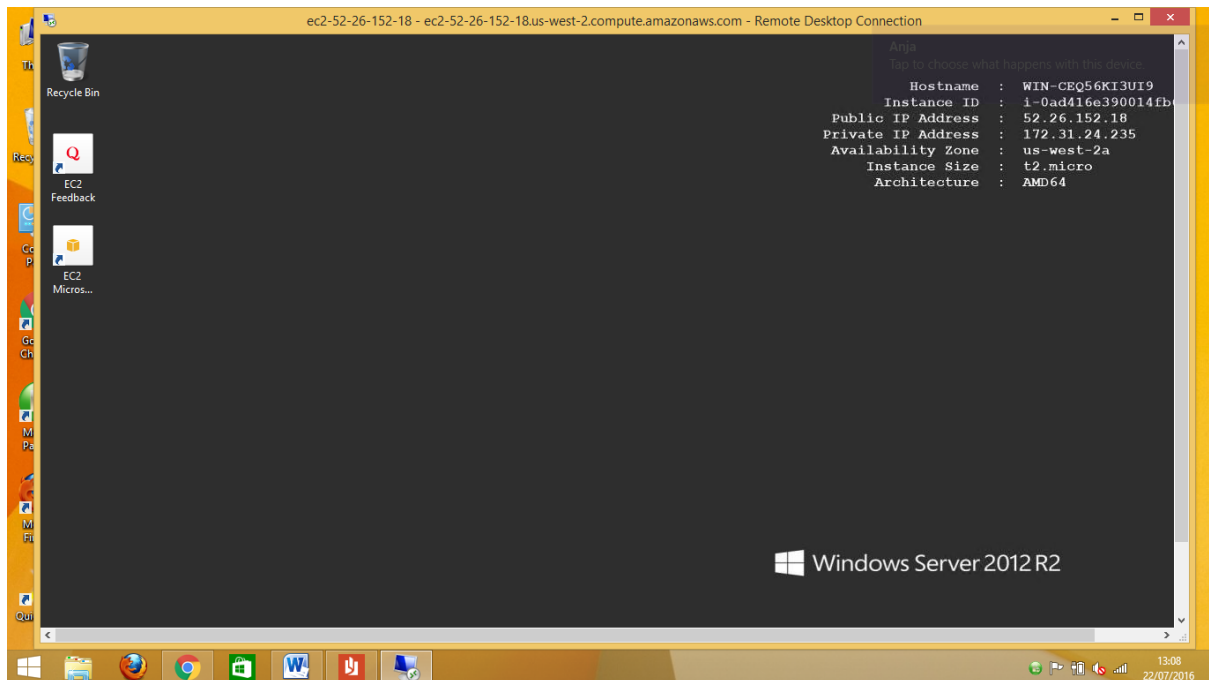




Now go to Remote Desktop Connection and provide the public IP and then click 'connect'

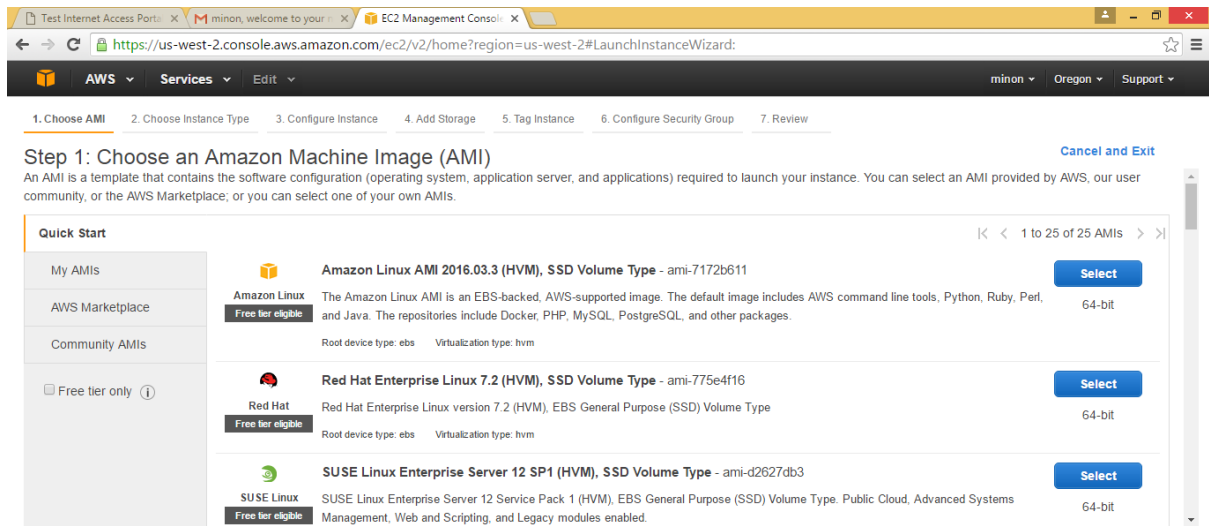


Now you can see the 'Windows Server'.



LINUX

Select Amazon Linux Now.



Test Internet Access Port... X minion, welcome to your... X EC2 Management Console X

← → ↻ <https://us-west-2.console.aws.amazon.com/ec2/v2/home?region=us-west-2#LaunchInstanceWizard:> ☆ ☰

AWS ▾ **Services** ▾ Edit ▾ minion ▾ Oregon ▾ Support ▾

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Tag Instance 6. Configure Security Group 7. Review


Step 1: Choose an Amazon Machine Image (AMI)

[Cancel and Exit](#)

An AMI is a template that contains the software configuration (operating system, application server, and applications) required to launch your instance. You can select an AMI provided by AWS, our user community, or the AWS Marketplace; or you can select one of your own AMIs.


Quick Start < 1 to 25 of 25 AMIs >

- My AMIs**
- AWS Marketplace**
- Community AMIs**
- ☐ Free tier only ⓘ

**Amazon Linux**
Free tier eligible


Amazon Linux AMI 2016.03.3 (HVM), SSD Volume Type - ami-7172b611
The Amazon Linux AMI is an EBS-backed, AWS-supported image. The default image includes AWS command line tools, Python, Ruby, Perl, and Java. The repositories include Docker, PHP, MySQL, PostgreSQL, and other packages.
Root device type: ebs Virtualization type: hvm

Select
64-bit

**Red Hat**
Free tier eligible

Red Hat Enterprise Linux 7.2 (HVM), SSD Volume Type - ami-775e4f16
Red Hat Enterprise Linux version 7.2 (HVM), EBS General Purpose (SSD) Volume Type
Root device type: ebs Virtualization type: hvm

Select
64-bit

**SUSE Linux**
Free tier eligible

SUSE Linux Enterprise Server 12 SP1 (HVM), SSD Volume Type - ami-d2627db3
SUSE Linux Enterprise Server 12 Service Pack 1 (HVM), EBS General Purpose (SSD) Volume Type. Public Cloud, Advanced Systems Management, Web and Scripting, and Legacy modules enabled.

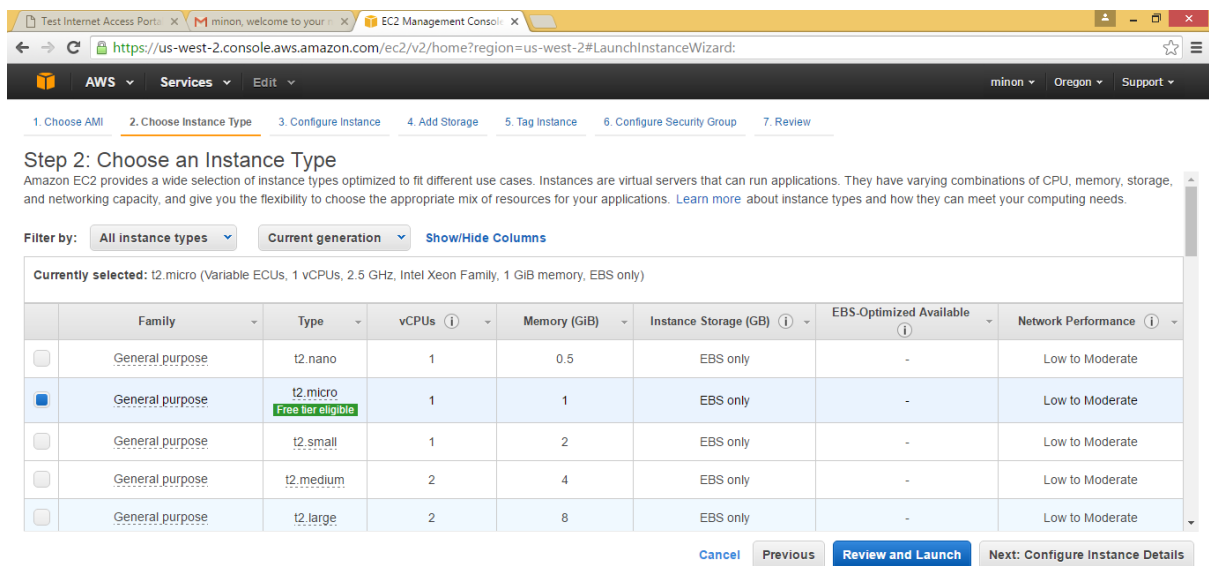
Select
64-bit

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ec2-52-26-152-18.us...rdp dilshani_windows.pem Show all downloads x

13:10 22/07/2016

Now click 'Review and Launch'.



Test Internet Access Port... X minion, welcome to your... X EC2 Management Console X

← → ↻ <https://us-west-2.console.aws.amazon.com/ec2/v2/home?region=us-west-2#LaunchInstanceWizard:> ☆ ☰

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Filter by: **All instance types** ▾ **Current generation** ▾ [Show/Hide Columns](#)

Currently selected: t2.micro (Variable ECUs, 1 vCPUs, 2.5 GHz, Intel Xeon Family, 1 GiB memory, EBS only)

	Family ▾	Type ▾	vCPUs ⓘ ▾	Memory (GiB) ▾	Instance Storage (GB) ⓘ ▾	EBS-Optimized Available ⓘ ▾	Network Performance ⓘ ▾
<input type="checkbox"/>	General purpose	t2.nano	1	0.5	EBS only	-	Low to Moderate
<input checked="" type="checkbox"/>	General purpose	t2.micro <small>Free tier eligible</small>	1	1	EBS only	-	Low to Moderate
<input type="checkbox"/>	General purpose	t2.small	1	2	EBS only	-	Low to Moderate
<input type="checkbox"/>	General purpose	t2.medium	2	4	EBS only	-	Low to Moderate
<input type="checkbox"/>	General purpose	t2.large	2	8	EBS only	-	Low to Moderate

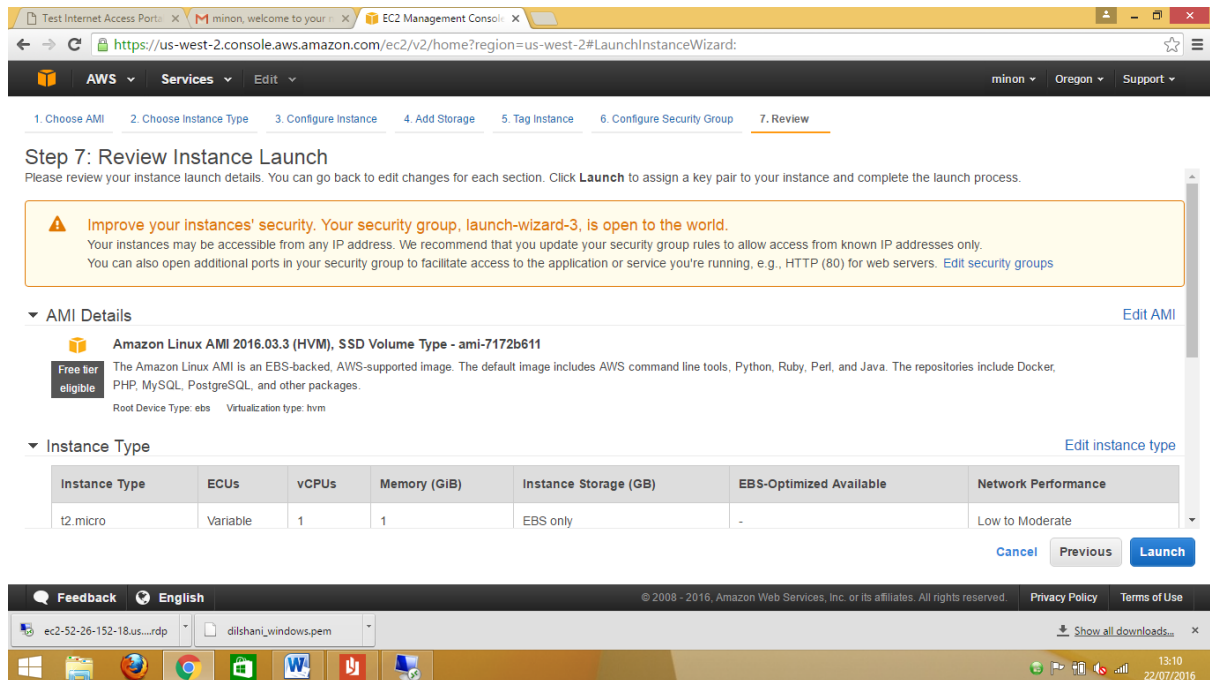
[Cancel](#) [Previous](#) [Review and Launch](#) [Next: Configure Instance Details](#)

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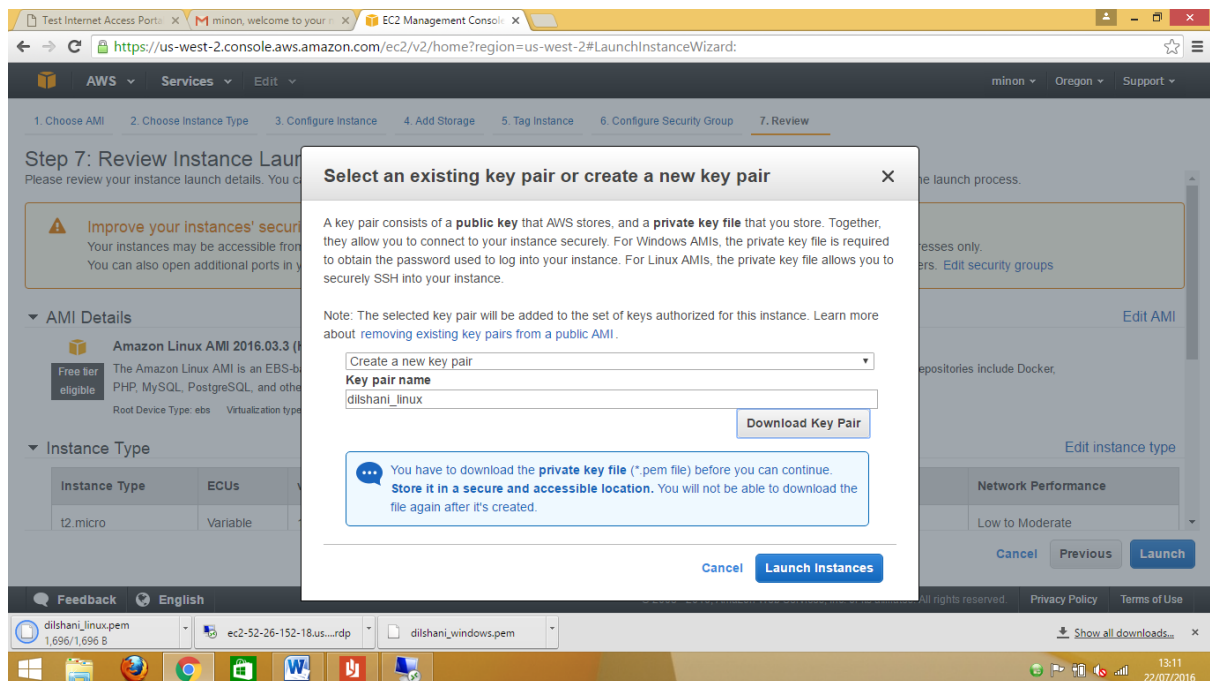
ec2-52-26-152-18.us...rdp dilshani_windows.pem Show all downloads x

13:10 22/07/2016

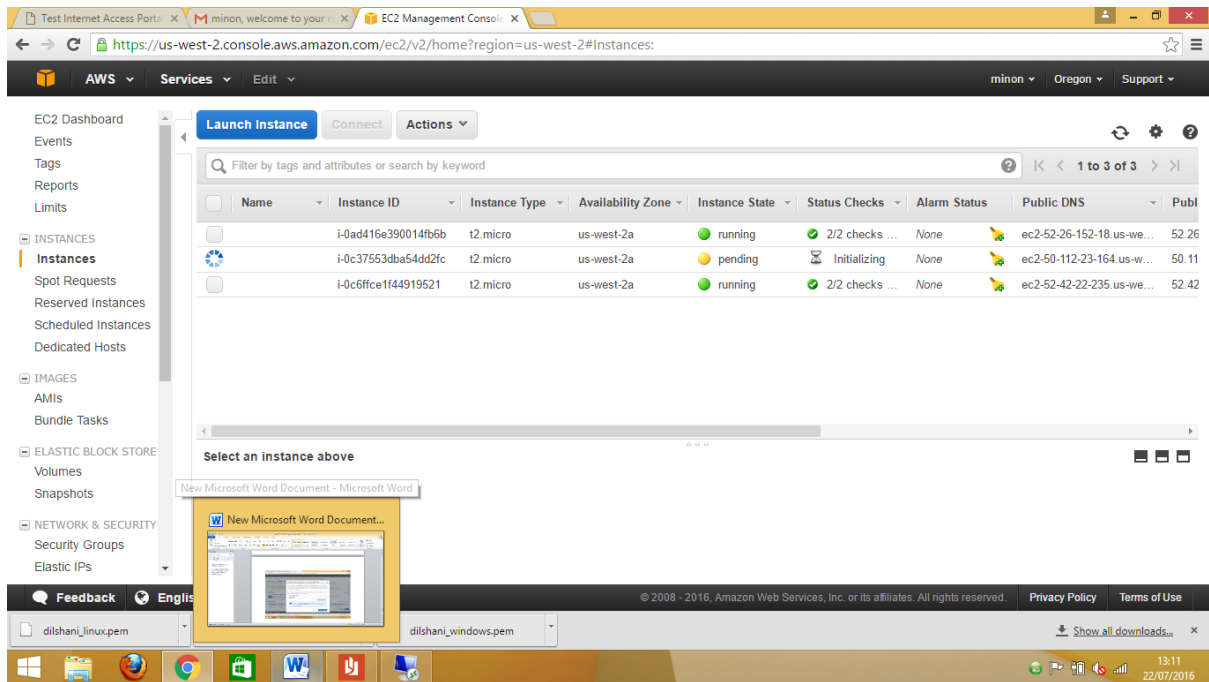
Click 'Launch'



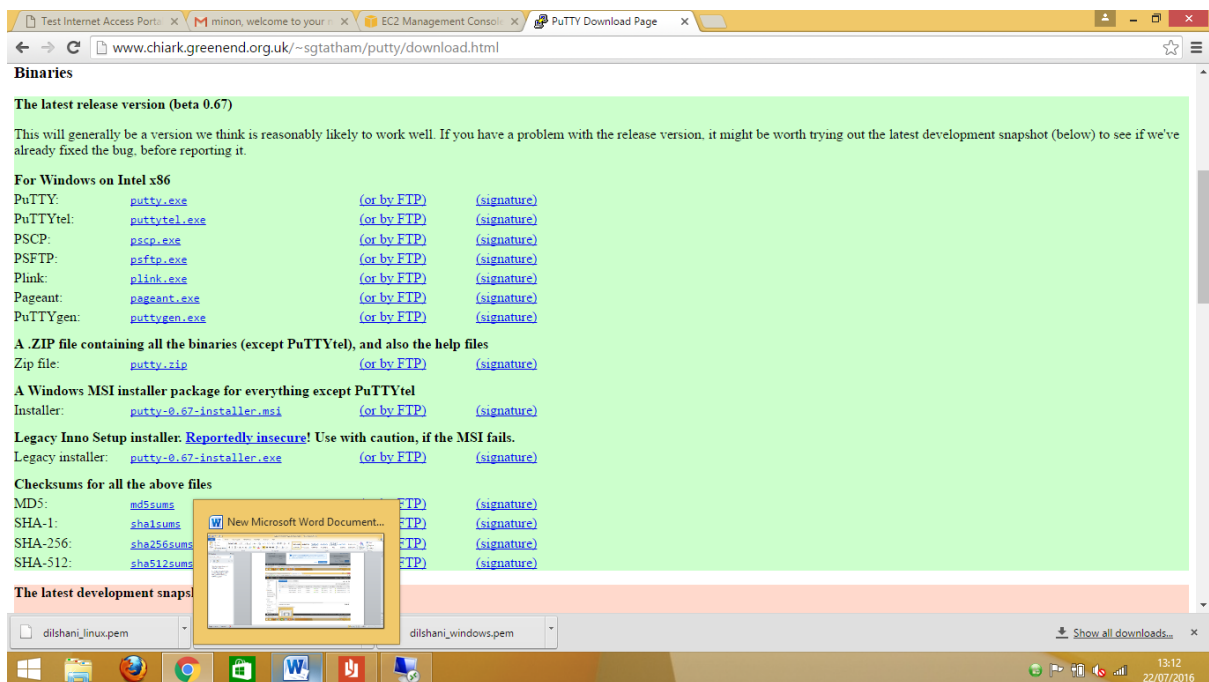
Select 'Create a new key pair' from the dropdown and give any name to 'Key pair name' and click 'Download Key Pair'.

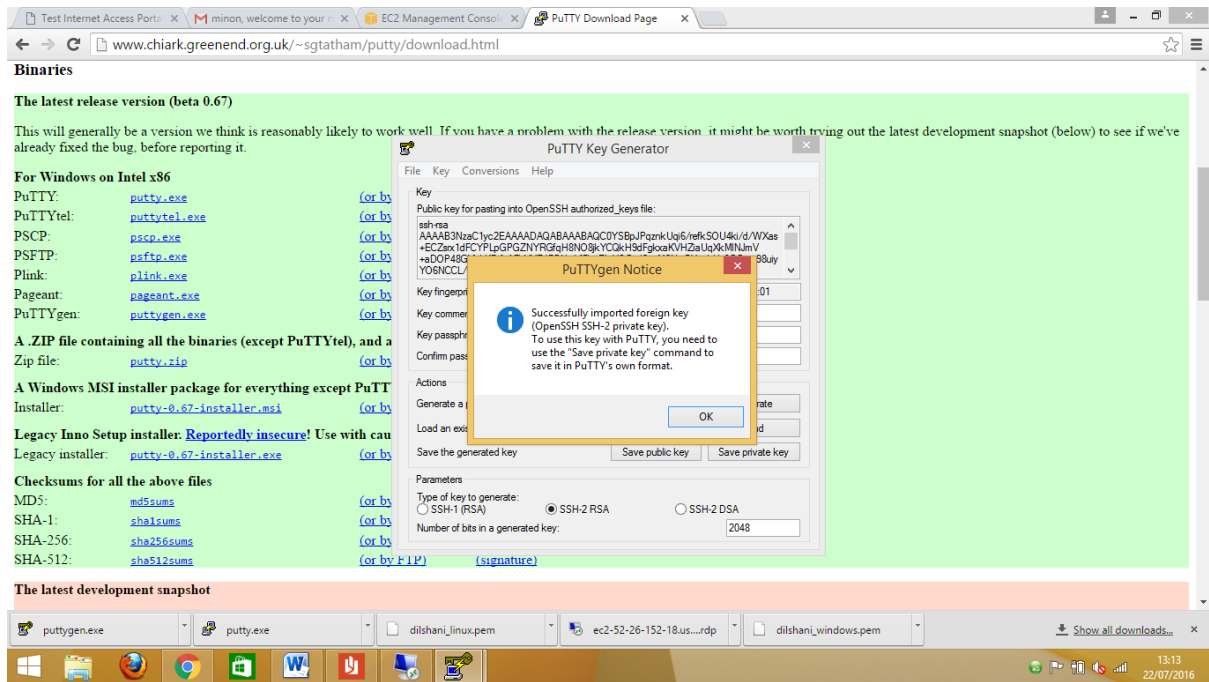


Instance is running.

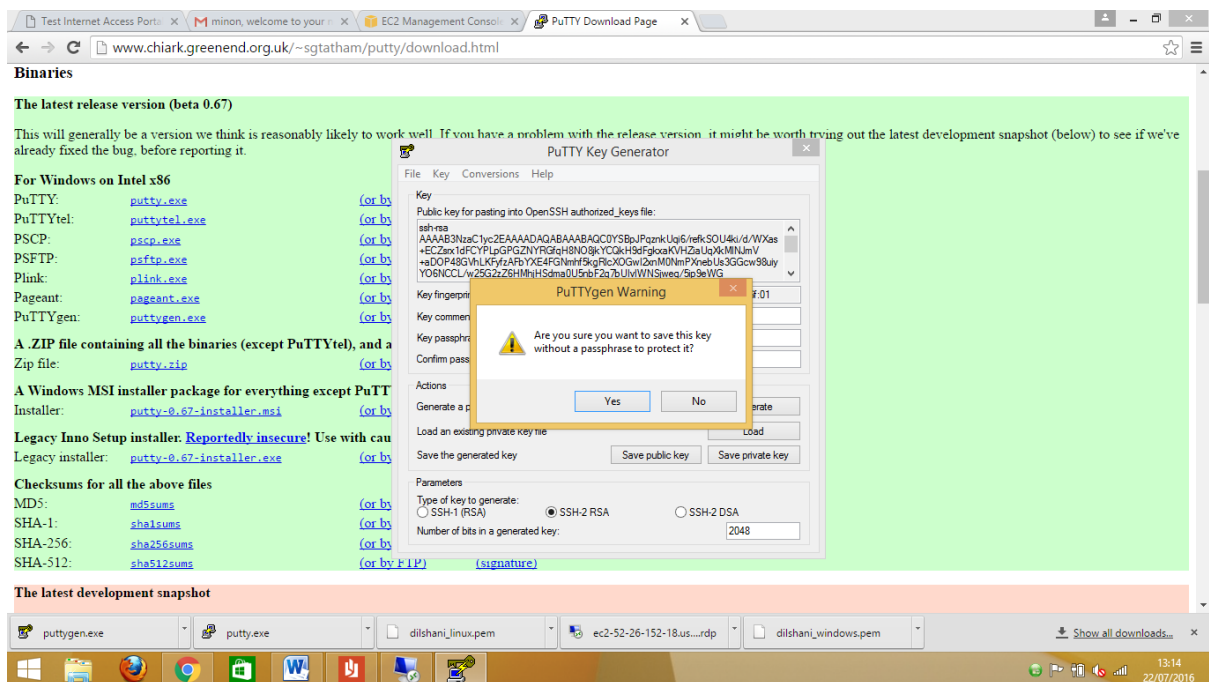


Download putty.exe and putygen.exe.

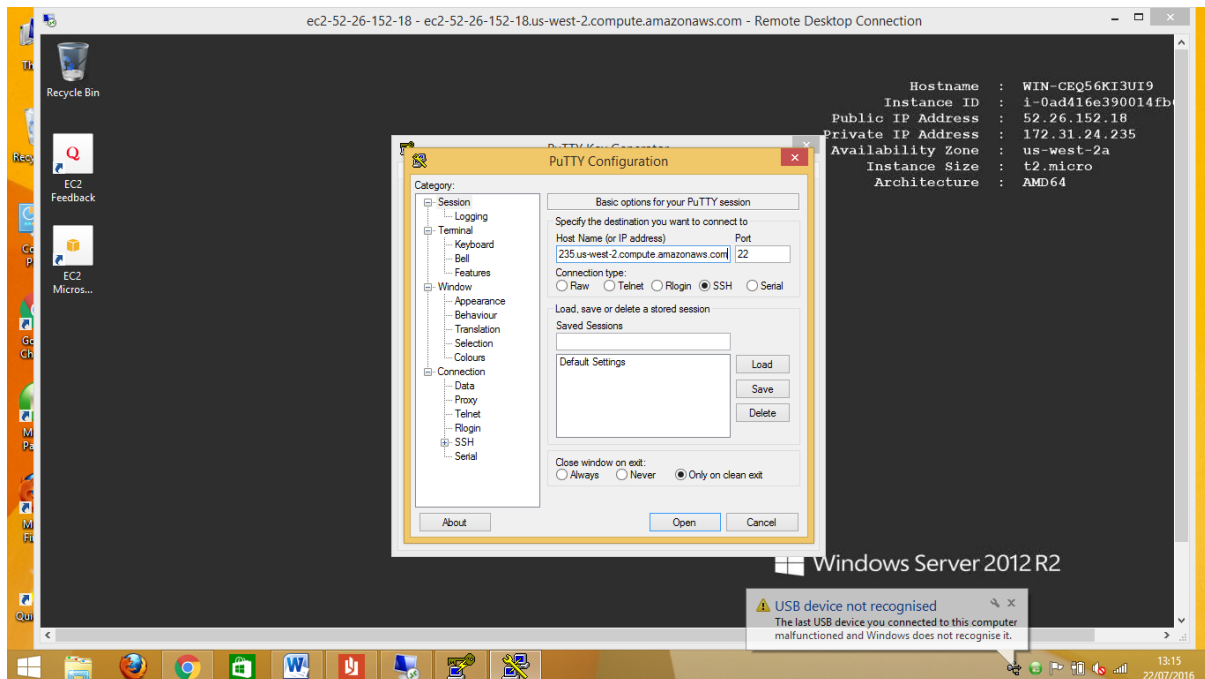




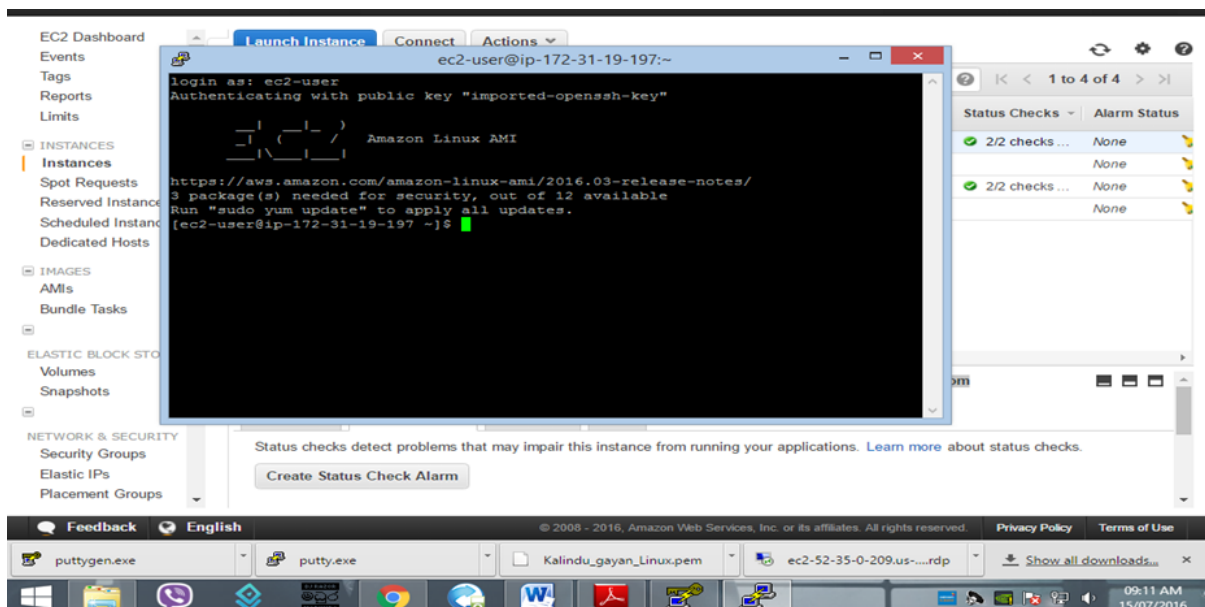
Run puttygen.exe and click ‘Load’ and browse Gims.pen.



Now run putty.exe. Copy public DNS . go to SSH -> Auth -> Browse & Go to SSH -> Auth -> Browse -> Open .



Click 'yes'



THANK YOU