



SRI LANKA INSTITUTE OF INFORMATION TECHNOLOGY

Enterprise Standards and Best Practices for IT Infrastructure

4th Year 2nd Semester 2014

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Practical Session: WD

Practical Number : lab-1

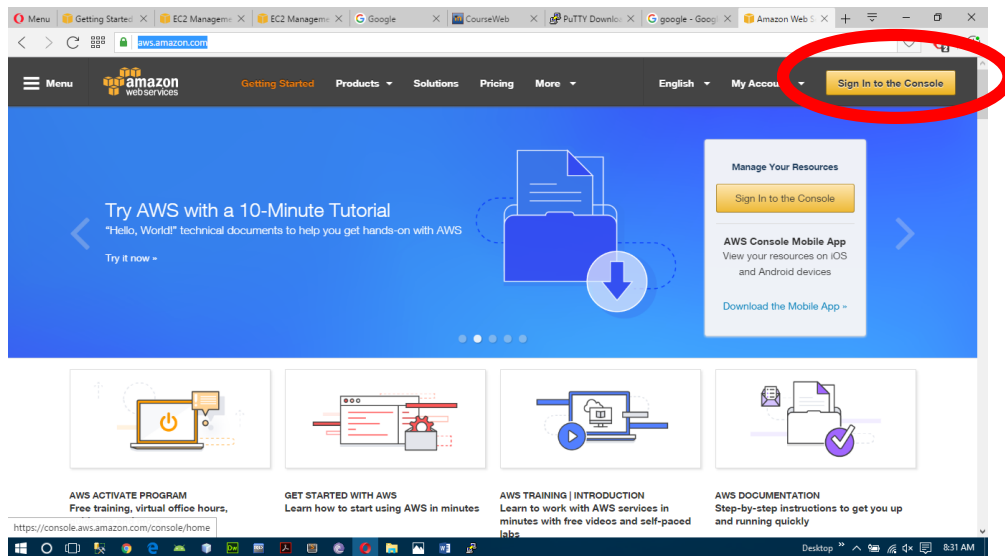
Date of Submission: 30-07-2016

Date of Evaluation : _____

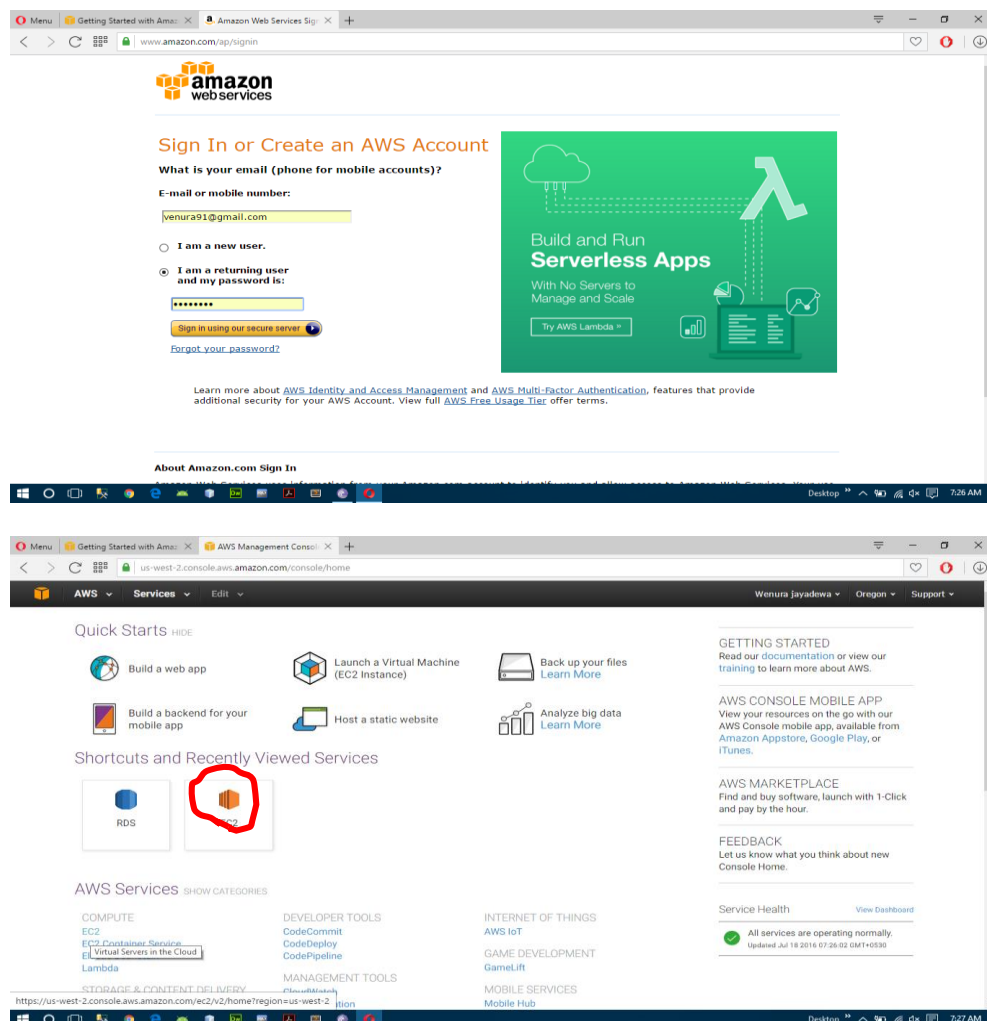
Evaluators Signature : _____

• Create Amazon EC2 Windows Instance

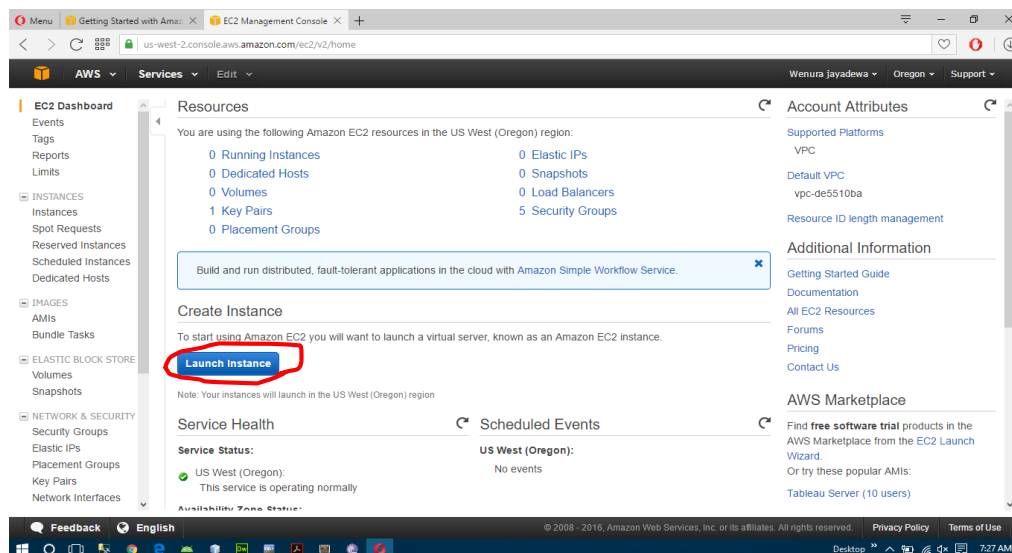
1. When create windows instance ,very first we want to create amazon account, it can do it below link,
<https://aws.amazon.com>.



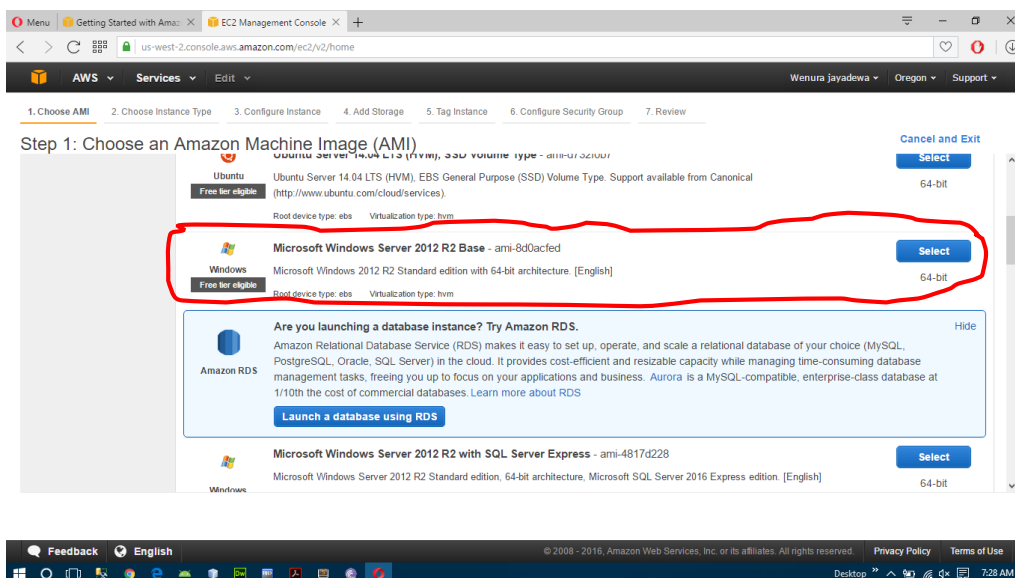
2. After creating the account log into the account and Open the Amazon EC2 console at <https://console.aws.amazon.com/ec2/>



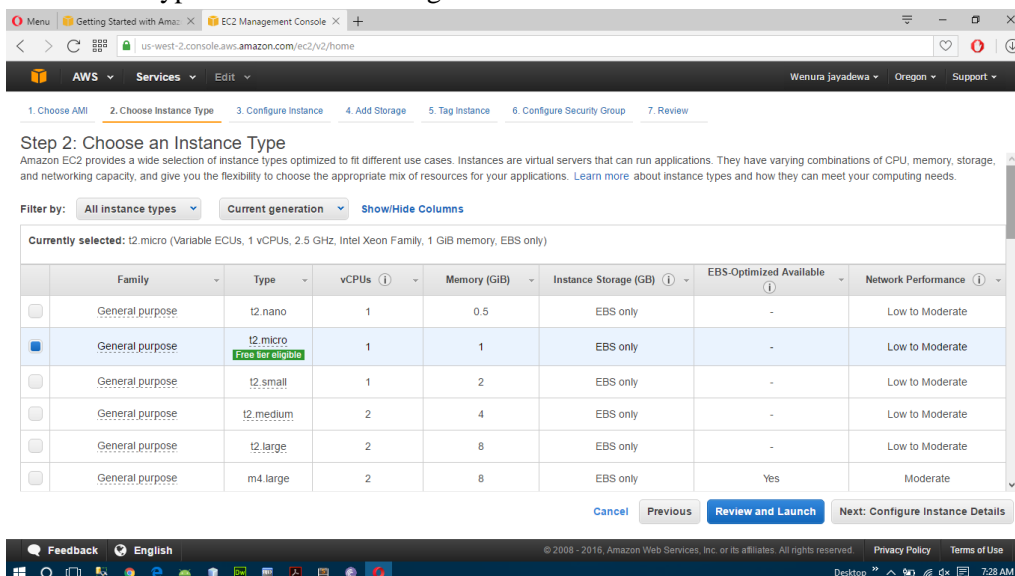
3. Then click the launch instance button



4. Choose the machine image



5. Select the instance type and click the configure instance details button



6. Configure the instance details and click the add storage

Step 3: Configure Instance Details

Configure the instance to suit your requirements. You can launch multiple instances from the same AMI, request Spot instances to take advantage of the lower pricing, assign an access management role to the instance, and more.

Number of Instances: 1 [Launch into Auto Scaling Group](#)

Purchasing option: ☐ Request Spot Instances

Network: vpc-de5510ba (172.31.0.0/16) (default) [Create new VPC](#)

Subnet: No preference (default subnet in any Availability Zone) [Create new subnet](#)

Auto-assign Public IP: Use subnet setting (Enable)

Domain join directory: None [Create new directory](#)

IAM role: None [Create new IAM role](#)

Shutdown behavior: Stop

Enable termination protection: ☐ Protect against accidental termination

Monitoring: ☐ Enable CloudWatch detailed monitoring

[Cancel](#) [Previous](#) [Review and Launch](#) [Next: Add Storage](#)

7. Add the storage capacity to the instance and click the Review and launch button

Step 4: Add Storage

Your instance will be launched with the following storage device settings. You can attach additional EBS volumes and instance store volumes to your instance, or edit the settings of the root volume. You can also attach additional EBS volumes after launching an instance, but not instance store volumes. [Learn more](#) about storage options in Amazon EC2.

Volume Type	Device	Snapshot	Size (GiB)	Volume Type	IOPS	Throughput (MB/s)	Delete on Termination	Encrypted
Root	/dev/sda1	snap-1baab85d	30	General Purpose SSD (GP2)	100 / 3000	N/A	<input checked="" type="checkbox"/>	Not Encrypted

[Add New Volume](#)

Free tier eligible customers can get up to 30 GiB of EBS General Purpose (SSD) or Magnetic storage. [Learn more](#) about free usage tier eligibility and usage restrictions.

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

8. Finally review the instance we created

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-4, 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-8d0acfed

Free tier eligible: Microsoft Windows 2012 R2 Standard edition with 64-bit architecture (English)

Root Device Type: ebs Virtualization type: hvm

If you plan to use this AMI for an application that benefits from Microsoft License Mobility, fill out the License Mobility Form. Don't show me this again

Instance Type [Edit instance type](#)

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

Security Groups [Edit security groups](#)

Security group name: launch-wizard-4

Description: launch-wizard-4 created 2016-07-18T07:38:54.145+05:30

Type	Protocol	Port Range	Source
RDP	TCP	3389	0.0.0.0/0

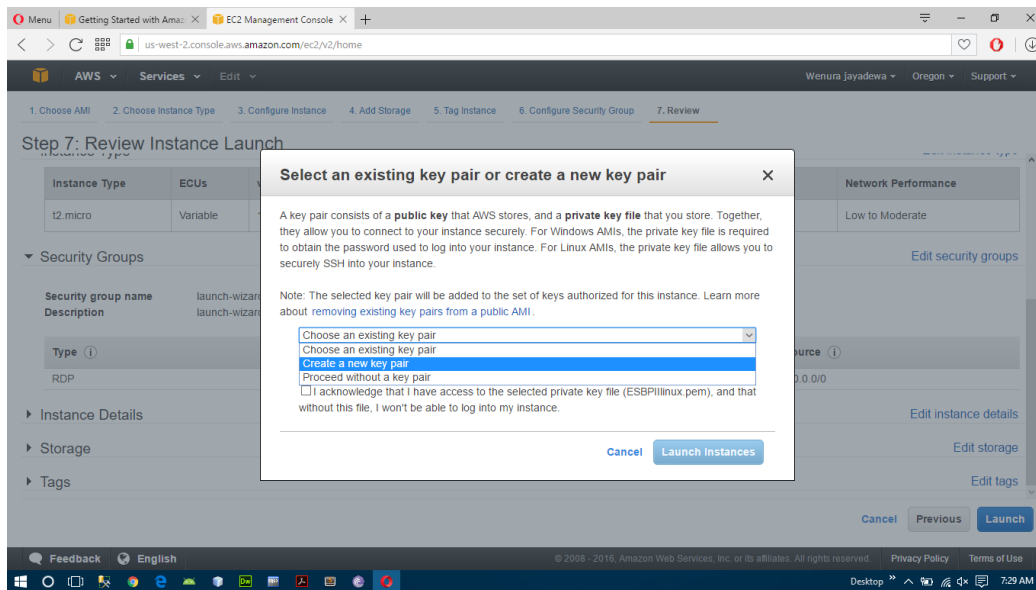
[Edit instance details](#)

[Edit storage](#)

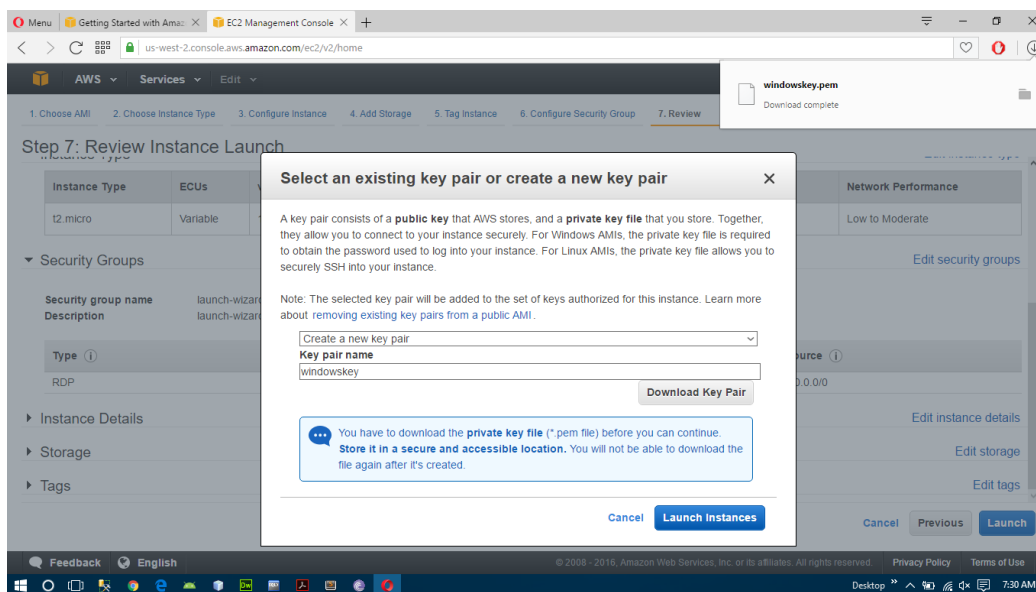
[Edit tags](#)

[Cancel](#) [Previous](#) [Launch](#)


9. When login into our instance. we need the password ,in pair key windows create the key and user name , Select the create the new key pair and put the name into the key



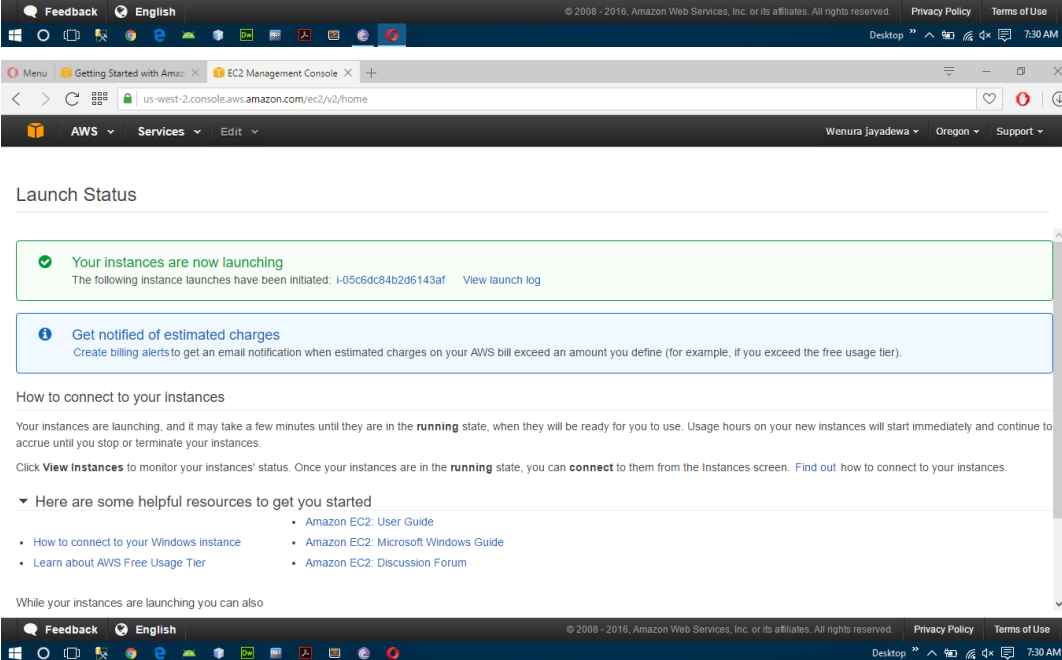
10. And we want to download it



11. Successfully install the instance launch status like below



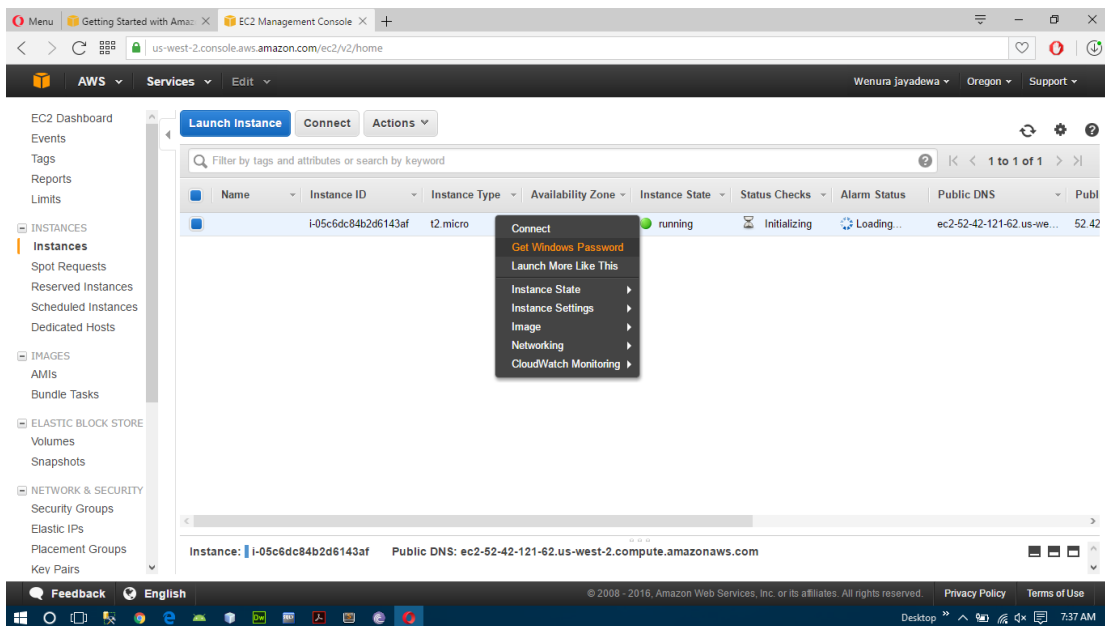
The screenshot shows the AWS Management Console interface. The top navigation bar includes the AWS logo, 'Services', 'Edit', and user information 'Wenura Jayadewa' in 'Oregon'. The main content area is titled 'Launch Status' and displays a large blue circular loading icon. Below the icon, the text reads 'Initiating Instance Launches' followed by 'Please do not close your browser while this is loading'. A progress list shows 'Creating security groups... Successful' and 'Authorizing inbound rules... Successful', with 'Initiating launches...' currently in progress.



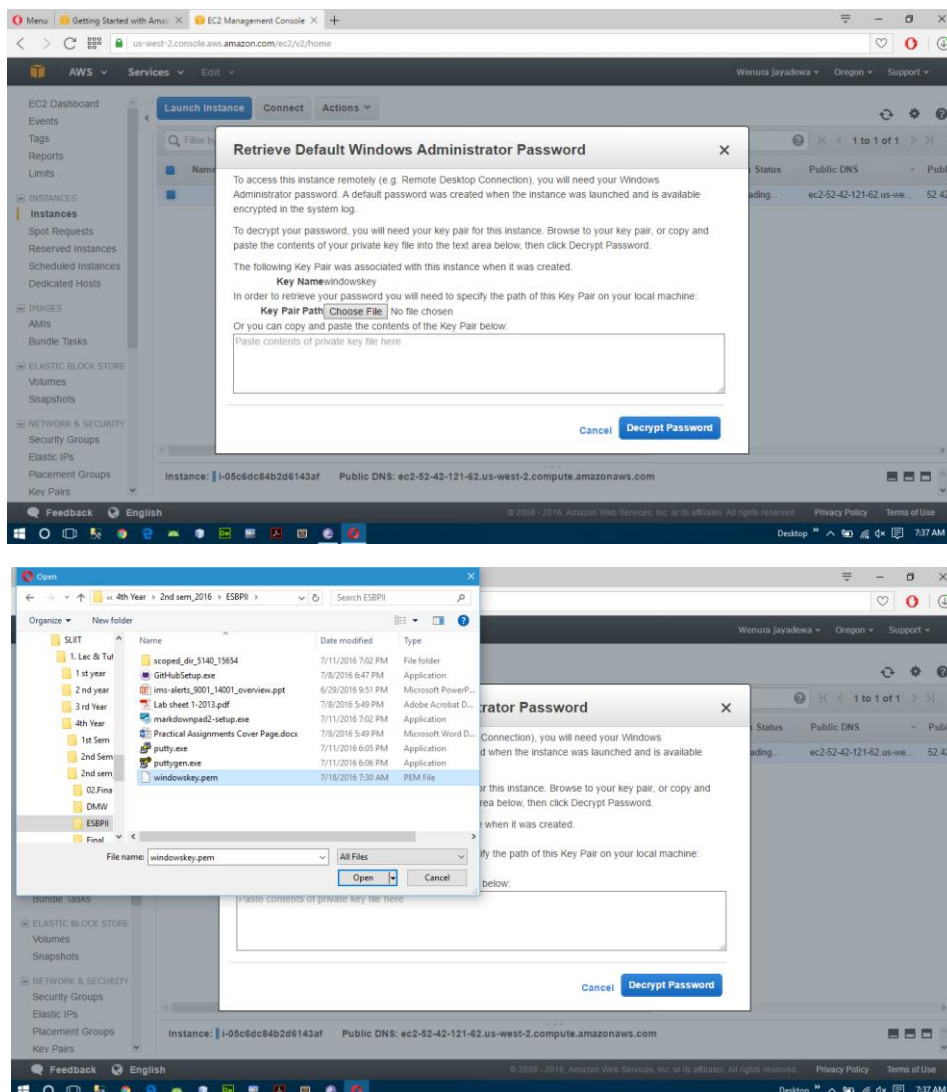
This screenshot shows the 'Launch Status' page after the instances have started launching. A green success message states 'Your instances are now launching' and lists the initiated instance launch IDs: 'i-05c6dc84b2d6143af'. Below this, a blue informational box prompts the user to 'Get notified of estimated charges'. The page also includes a section titled 'How to connect to your instances' with instructions on monitoring status and connecting to the running instances. A dropdown menu provides links to helpful resources like the 'Amazon EC2: User Guide' and 'Amazon EC2: Microsoft Windows Guide'. The footer contains copyright information and links to 'Privacy Policy' and 'Terms of Use'.

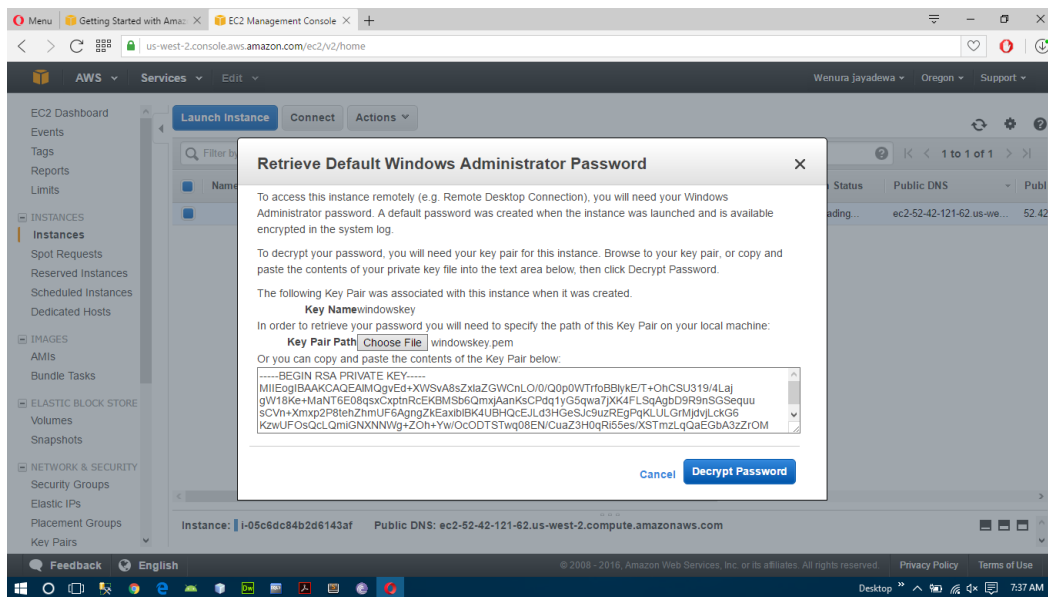
• Connect the instance

1. Choose the get windows password right click on the instance .

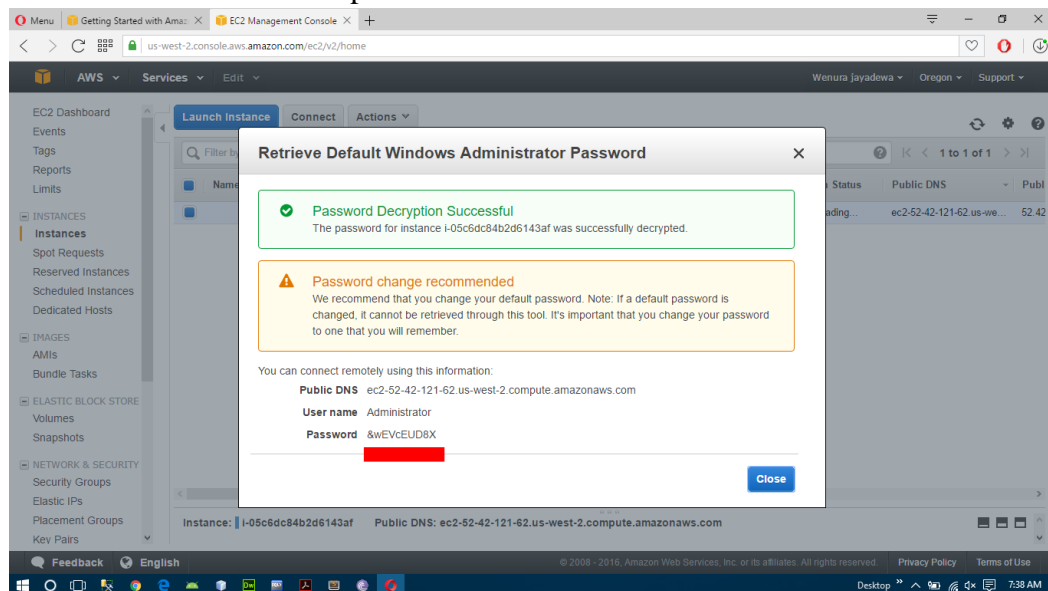


2. Then input the key pair to give brows and get the instance key.

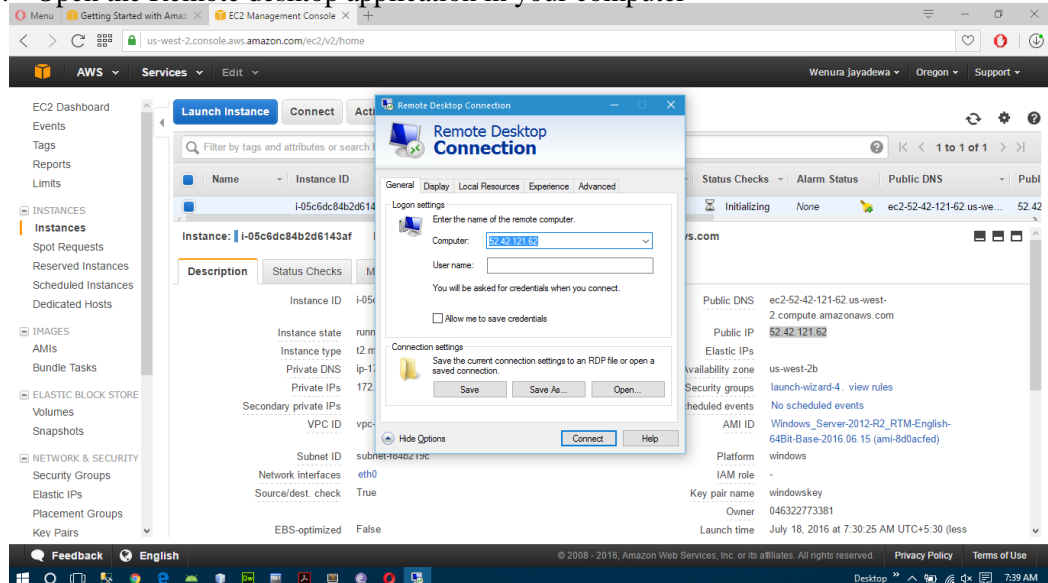




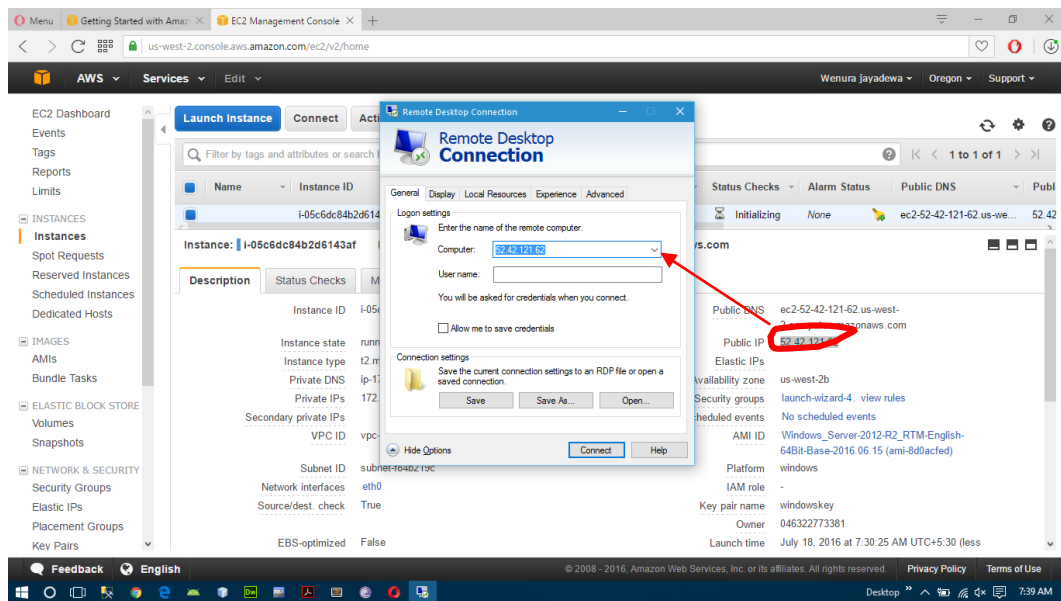
3. Instance user name and password are show as a below window



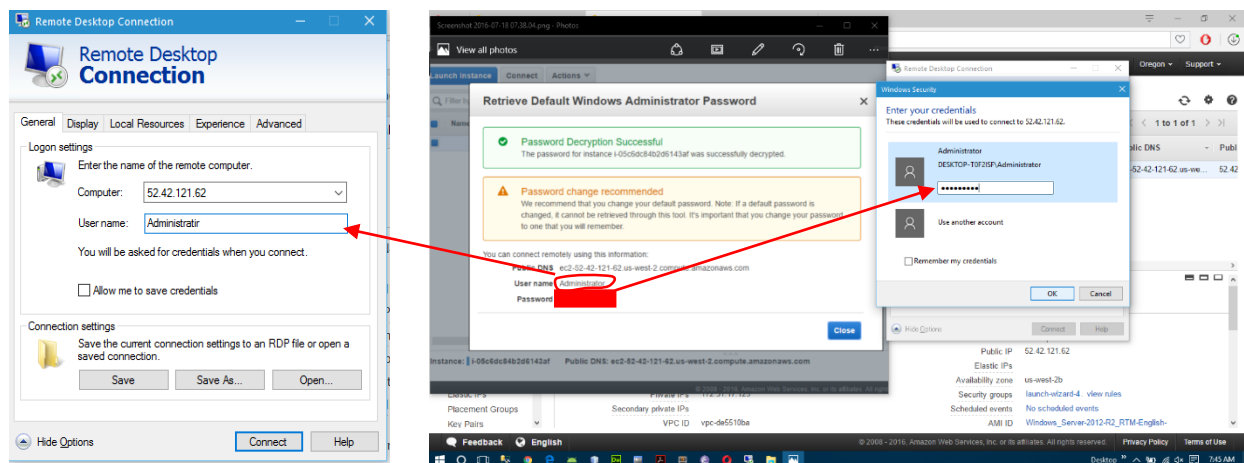
4. Open the Remote desktop application in your computer



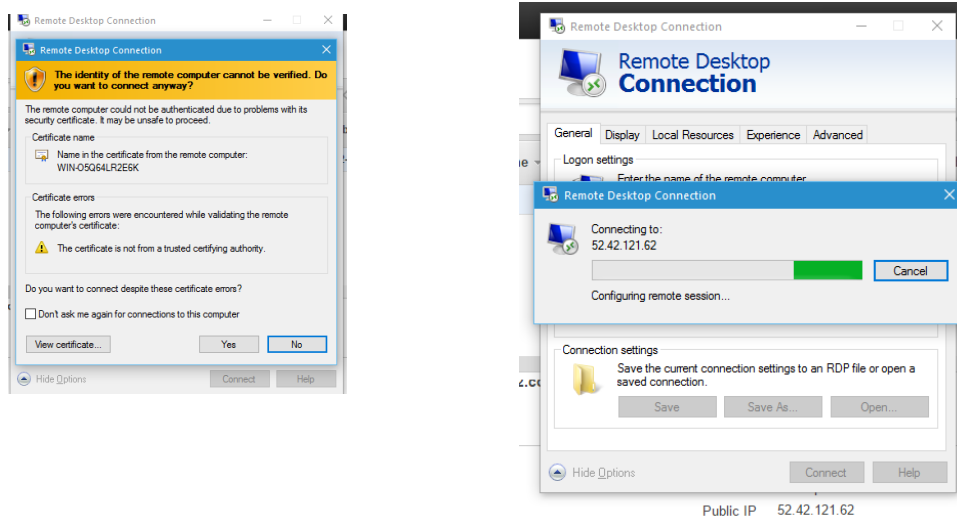
5. Copy the public ip address from the launched instance details



6. Enter the user name and password



7. Confirm the remote desktop connection certification



8. Now user can logon to the remote machine

