



SRI LANKA INSTITUTE OF INFORMATION TECHNOLOGY

Enterprise Standards and Best Practices for IT Infrastructure

**4<sup>th</sup> Year 2<sup>nd</sup> Semester 2016**

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Practical Session: <WD>

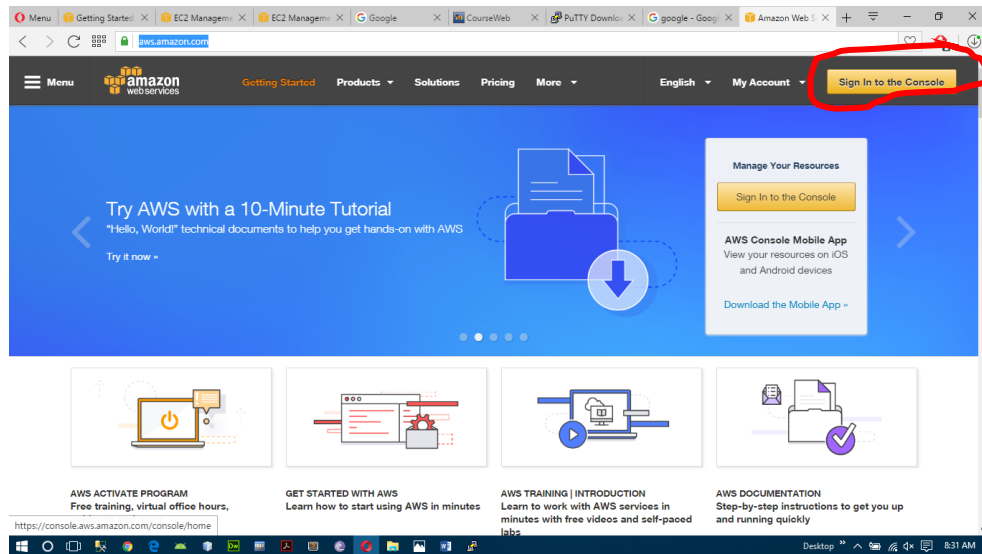
Date of Submission: 30/07/2016

Date of Evaluation : \_\_\_\_\_

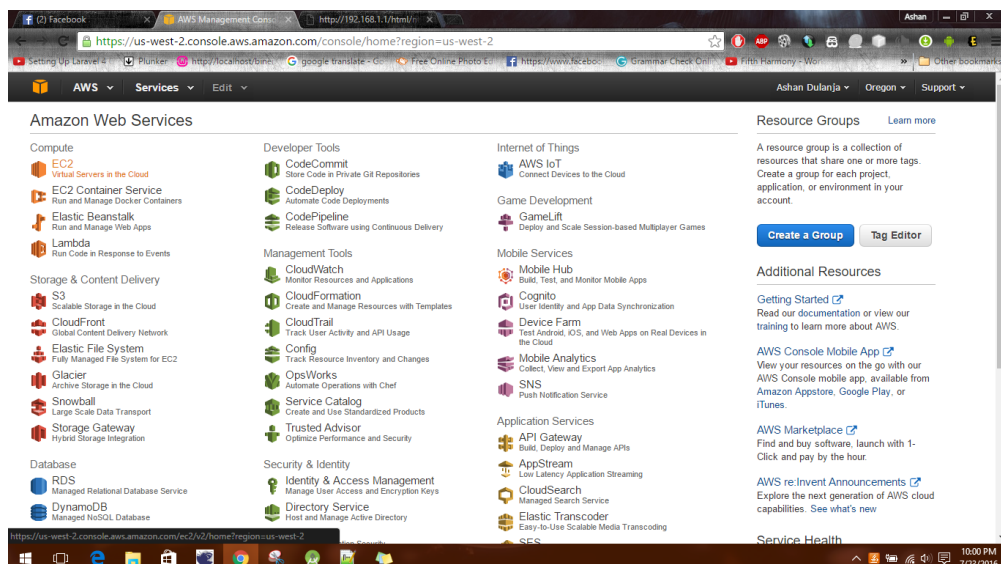
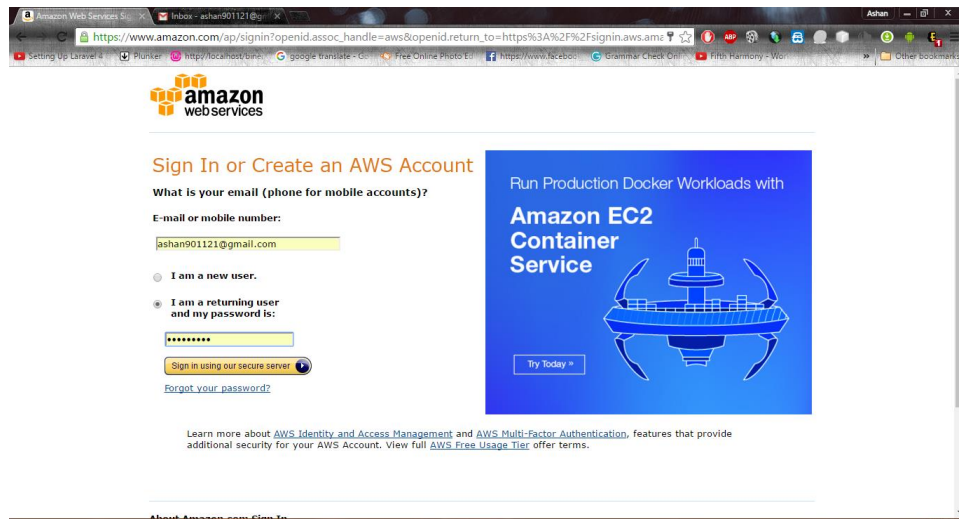
Evaluators Signature : \_\_\_\_\_

# • Create Amazon EC2 Windows Instance

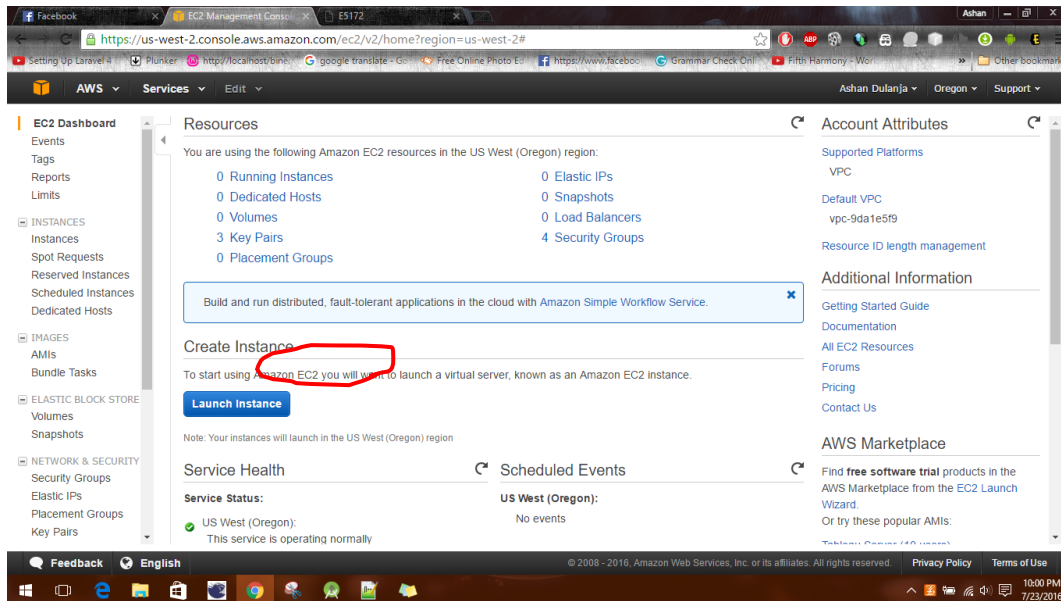
1. When create windows instance ,very first we want to create amazon account, it can do it below link,  
<https://aws.amazon.com>.



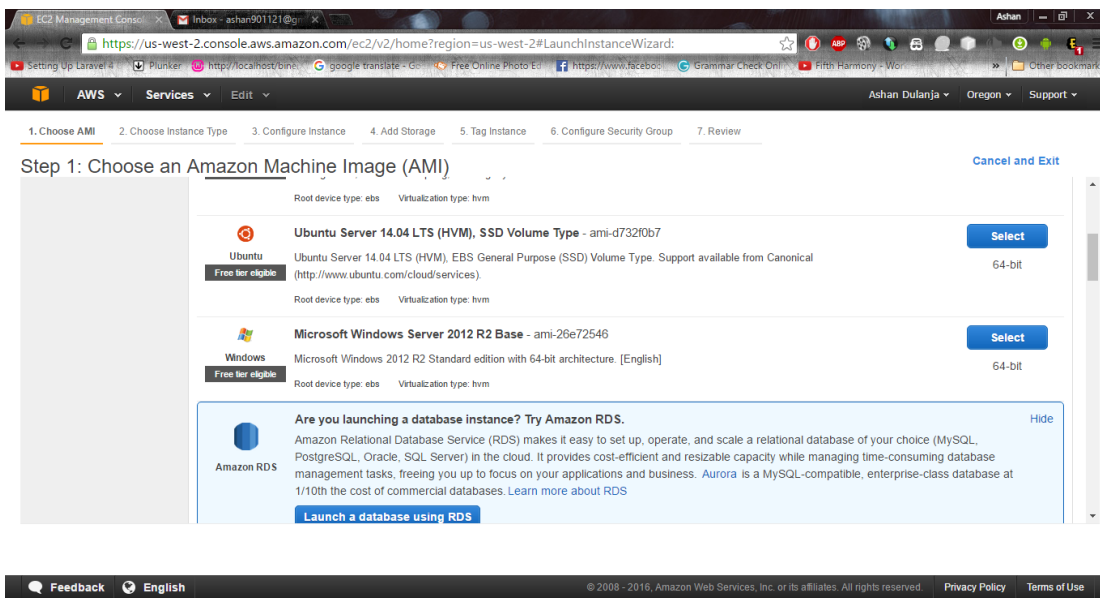
2. After creating the account log into the account and Open the Amazon EC2 console at <https://console.aws.amazon.com/ec2/>



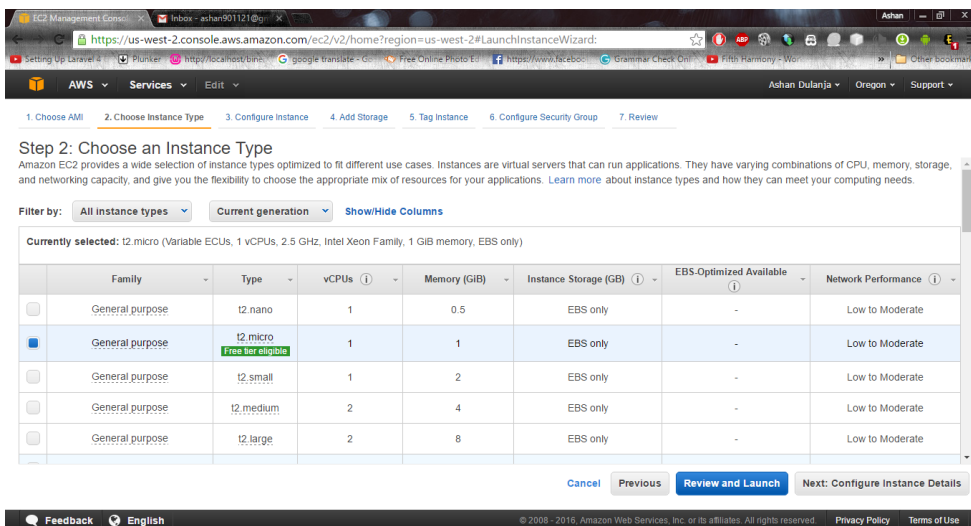
### 3. Then click the launch instance button



### 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-9da1e5f9 (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

[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-432bd8be	80	General Purpose SSD (GP2)	100 / 3000	N/A	<input checked="" type="checkbox"/>	<input type="checkbox"/> Not Encrypted

[Add New Volume](#)

Free tier eligible customers can get up to 30 GB 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-5, 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](#)

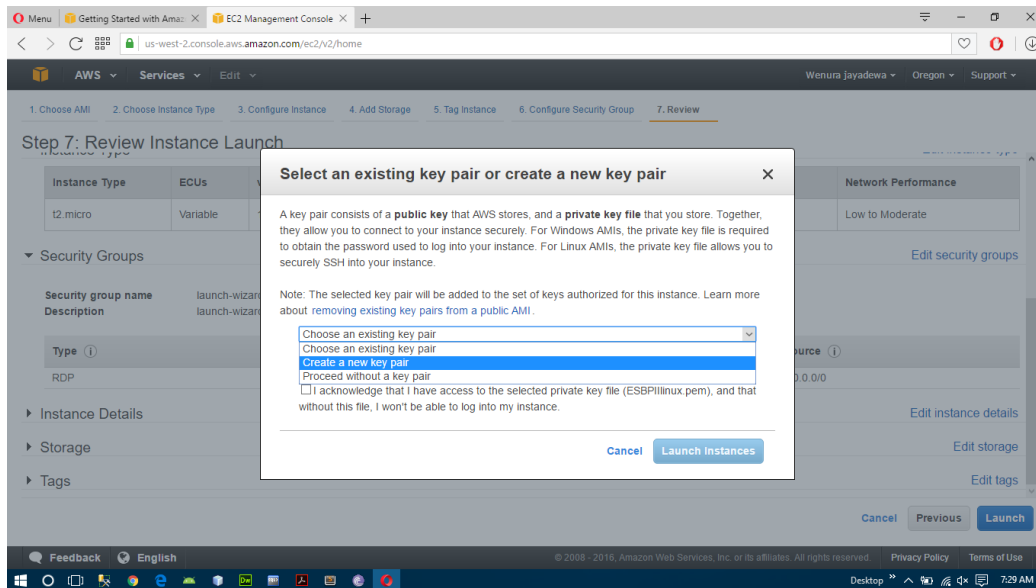
**AMI Details** [Edit AMI](#)  
Microsoft Windows Server 2012 R2 Base - ami-26e72546  
Free tier eligible  
Root Device Type: ebs  
Virtualization type: hvm  
If you plan to use this AMI for an application that benefits from Microsoft License Mobility, fill out the [License Mobility Form](#). Don't show me this again

**Instance Type** [Edit instance type](#)

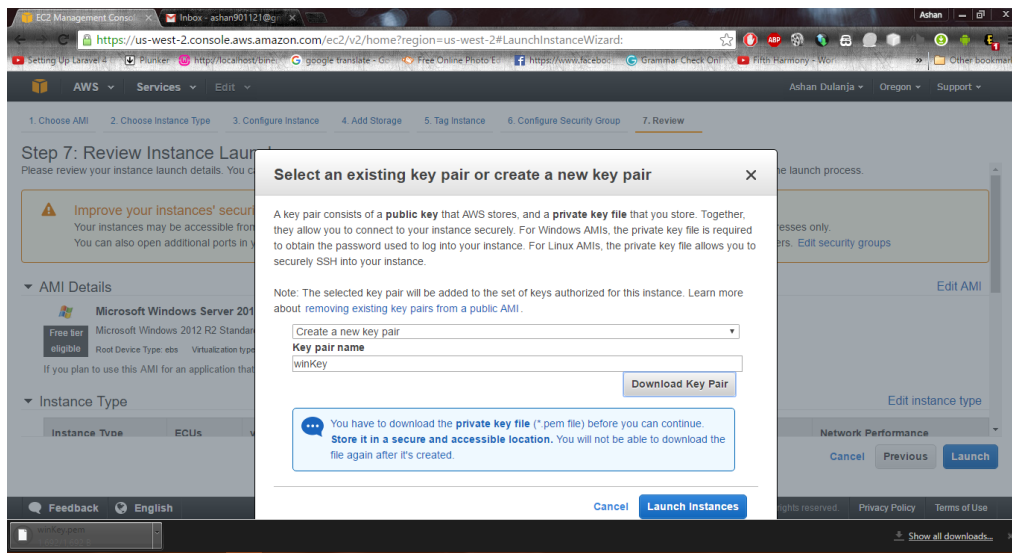
Instance Type	ECUs	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance
t2.micro	Variable	1	1	EBS only	-	Low to Moderate

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

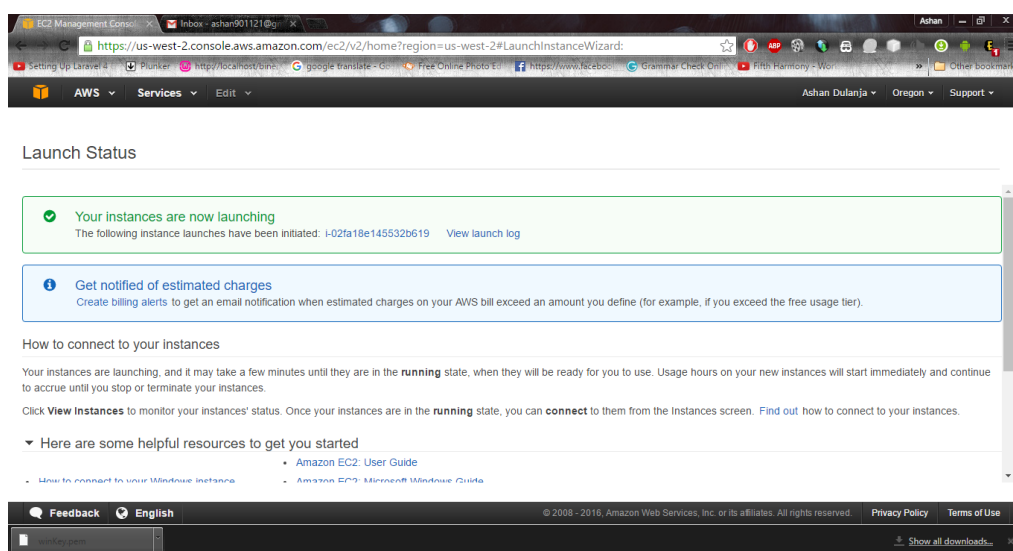
9. When login into our instance. we need the password ,in pair key windows create the key and user name , Select the create the new key pair and put the name into the key



10. And we want to download it



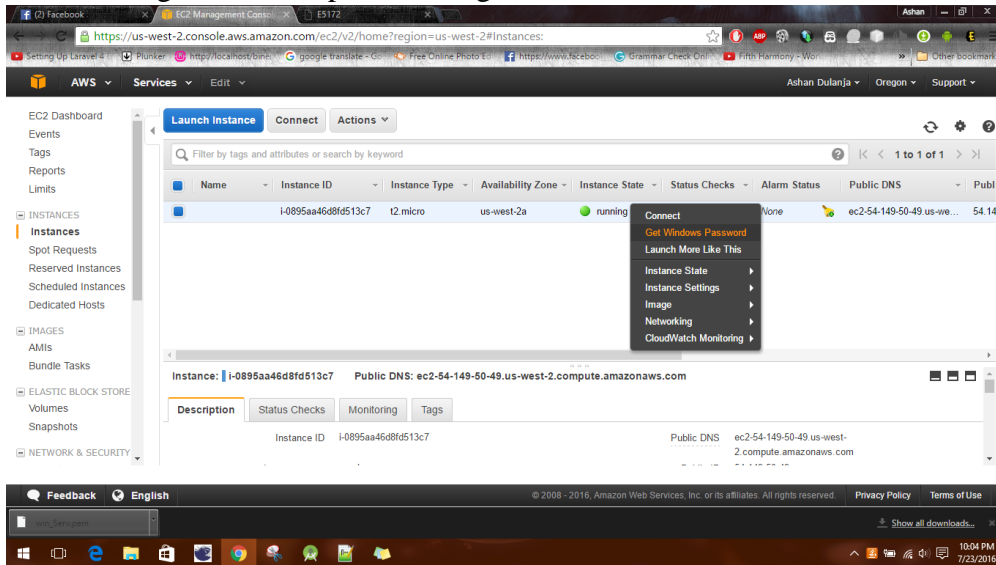
11. Successfully install the instance launch status like below



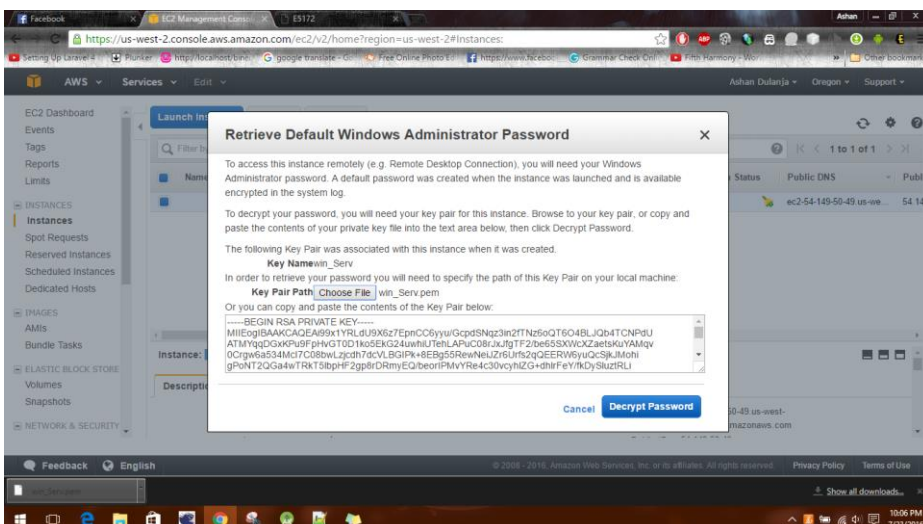
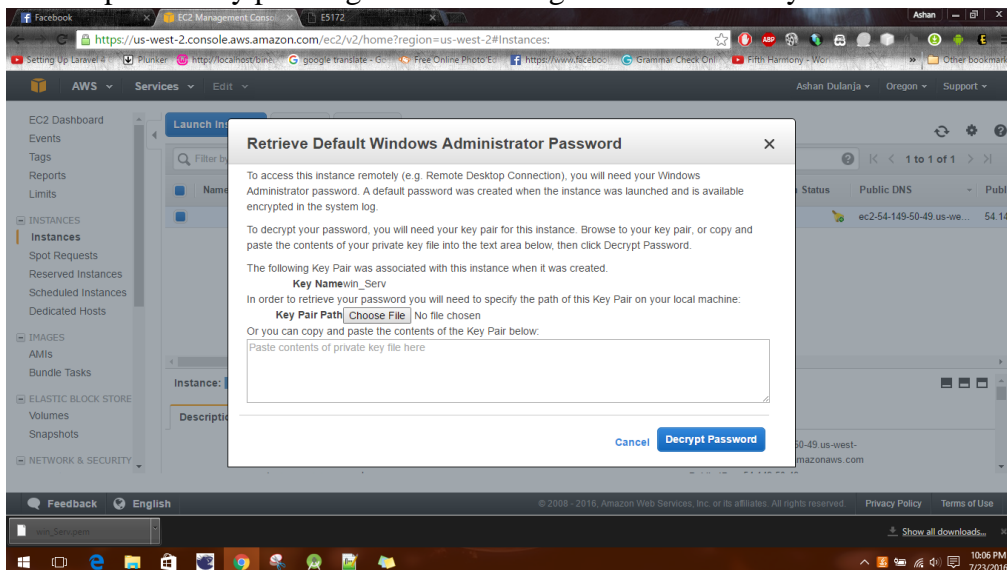


## • Connect the instance

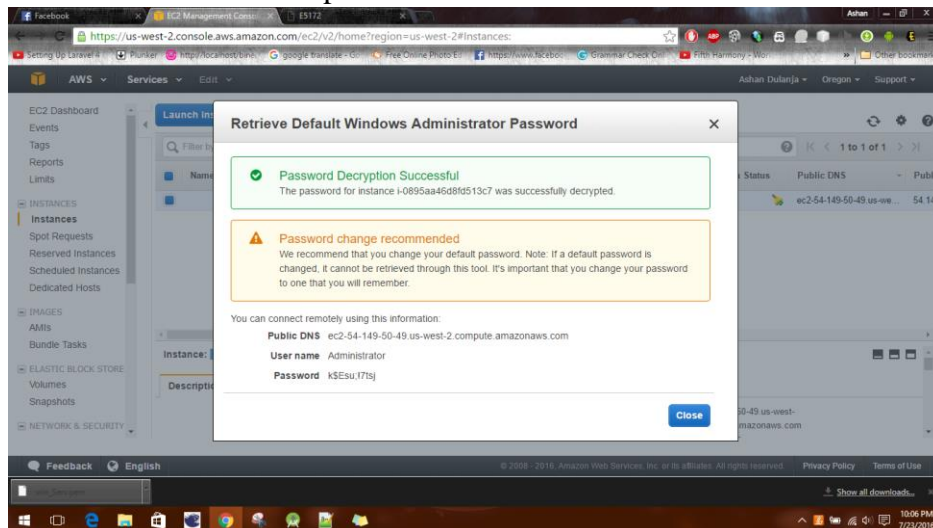
1. Choose the get windows password right click on the instance .



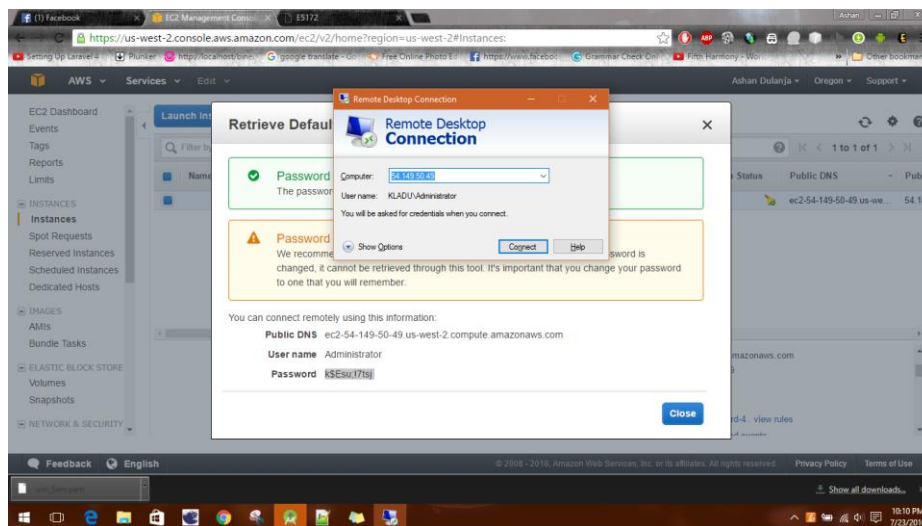
2. Then input the key pair to give brows and get the instance key.



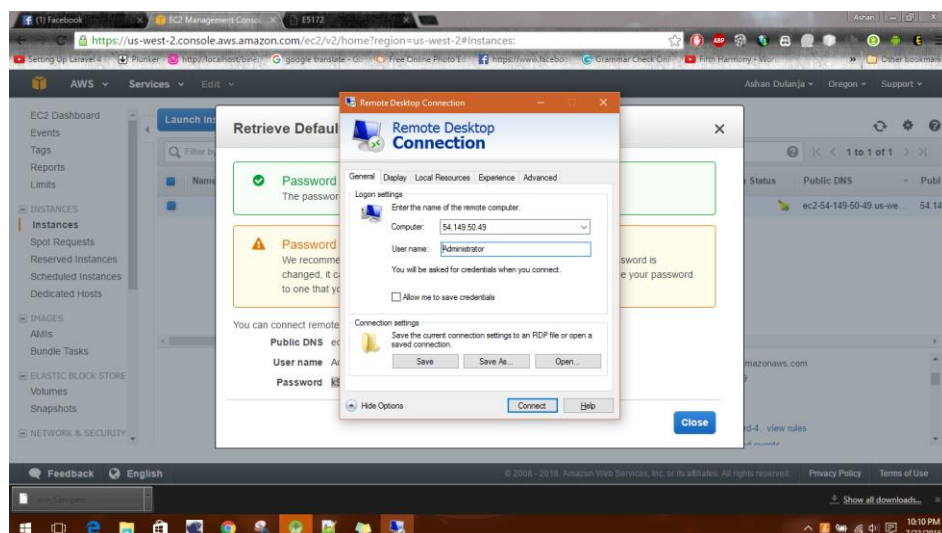
3. Instance user name and password are show as a below window



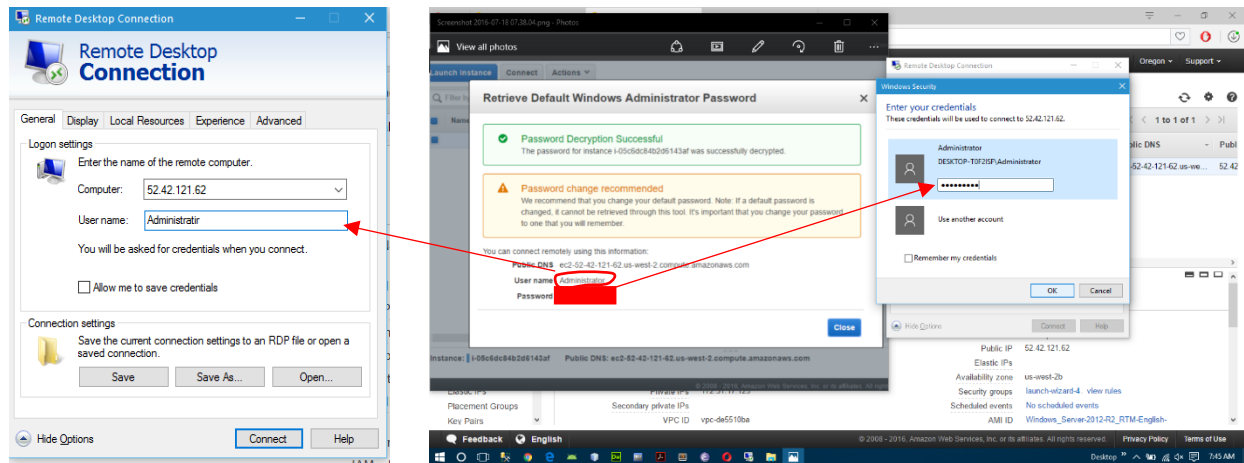
4. Open the Remote desktop application in your computer



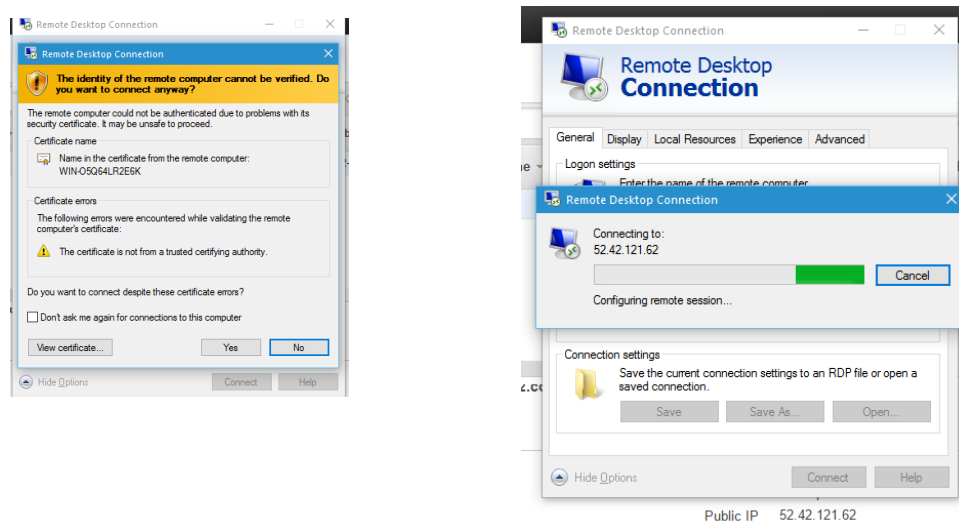
5. Copy the public ip address from the launched instance details



## 6. Enter the user name and password



## 7. Confirm the remote desktop connection certification



## 8. Now user can login to the remote machine

