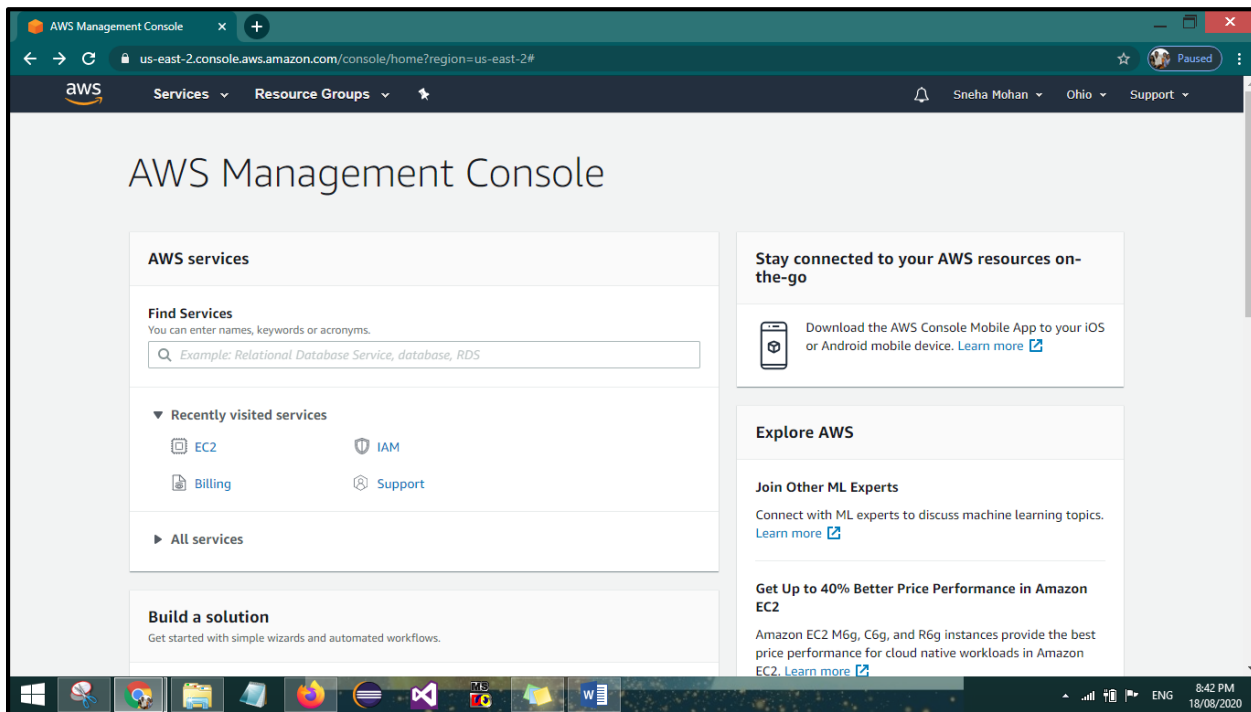


DAY-3 ASSIGNMENT

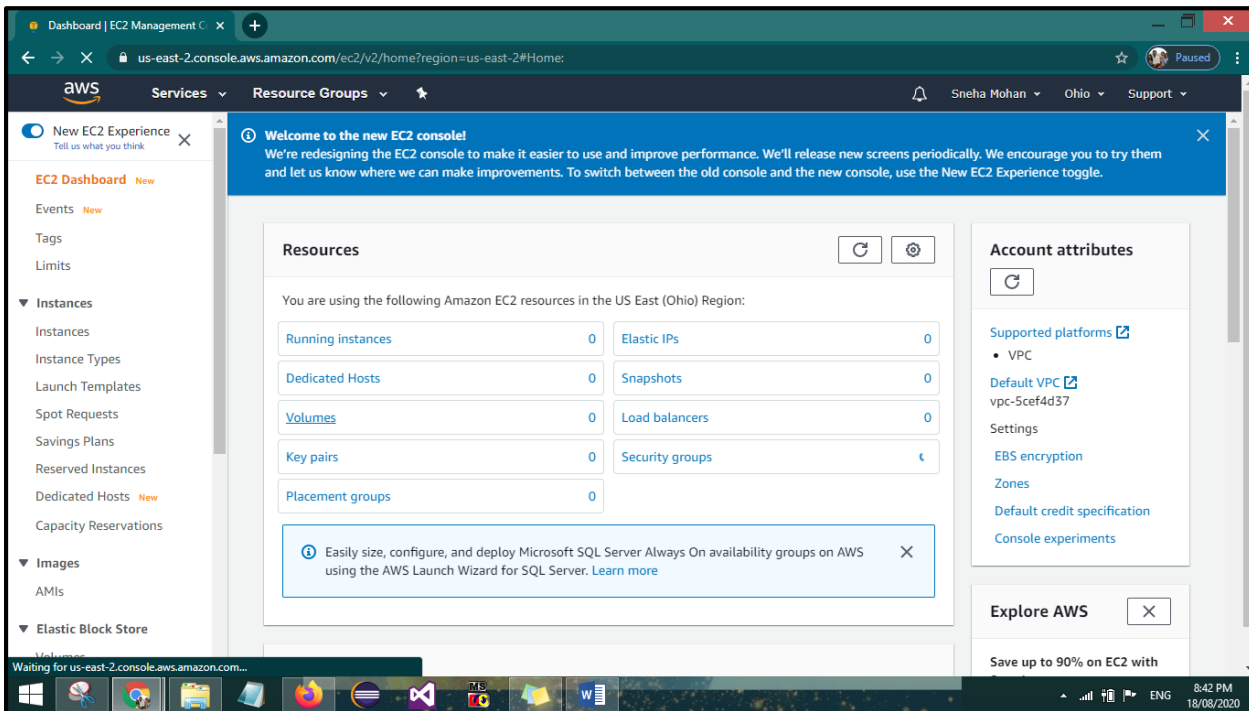
WINDOWS SERVER

STEPS:

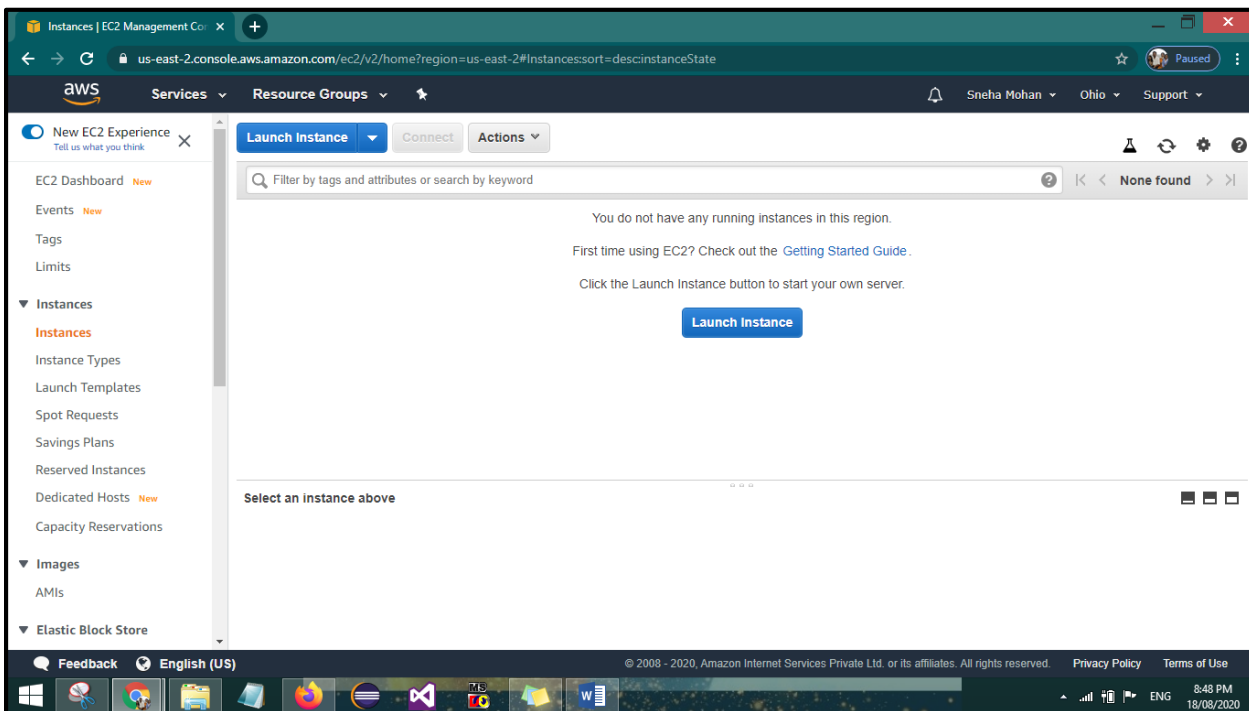
1. Open Aws Management Console
2. Click On Ec2



3. On The Right Sidebar Click On Instances



4. Now Click On Launch Instance



5. Select Microsoft Windows Server 2019 Base

Step 1: Choose an Amazon Machine Image (AMI)

Amazon RDS database management tasks. With RDS, you can easily deploy Amazon Aurora, MariaDB, MySQL, Oracle, PostgreSQL, and SQL Server databases on AWS. Aurora is a MySQL- and PostgreSQL-compatible, enterprise-class database at 1/10th the cost of commercial databases. [Learn more about RDS](#)

[Launch a database using RDS](#)

Microsoft Windows Server 2019 Base - ami-0239d3998515e9ed1 [Select](#)

Windows
Free tier eligible
Microsoft Windows 2019 Datacenter edition. [English]
64-bit (x86)
Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

Microsoft Windows Server 2019 Base with Containers - ami-0860285e3eeb23175 [Select](#)

Windows
Free tier eligible
Microsoft Windows 2019 Datacenter edition with Containers. [English]
64-bit (x86)
Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

Microsoft Windows Server 2019 Core Base - ami-0a631ae0cabf56a92 [Select](#)

Windows
Free tier eligible
Microsoft Windows Server 2019 Semi-Annual Channel release [English]
64-bit (x86)
Root device type: ebs Virtualization type: hvm ENA Enabled: Yes

6. Select The General Purpose Family For Free Tier

7. Click On Configure Instance Details

Step 2: Choose an Instance Type

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	IPv6 Support
<input type="checkbox"/>	General purpose	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
<input checked="" type="checkbox"/>	General purpose	t2.micro Free tier eligible	1	1	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.small	1	2	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.medium	2	4	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.large	2	8	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.xlarge	4	16	EBS only	-	Moderate	Yes

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

8. Do Changes As Shown Below And Click On Next: Add Storage

Launch instance wizard | EC2 M... x +

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

Services Resource Groups

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

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-5cef4d37 (default) Create new VPC

Subnet No preference (default subnet in any Availability Zone) Create new subnet

Auto-assign Public IP Enable

Placement group ☐ Add instance to placement group

Capacity Reservation Open

Domain join directory No directory Create new directory

IAM role None Create new IAM role

Cancel Previous Review and Launch Next: Add Storage

Launch instance wizard | EC2 M... x +

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

Services Resource Groups

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

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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.

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Network vpc-5cef4d37 (default) Create new VPC

Subnet No preference (default subnet in any Availability Zone) Create new subnet

Auto-assign Public IP Enable

Placement group ☐ Add instance to placement group

Capacity Reservation Open

Domain join directory No directory Create new directory

IAM role None Create new IAM role

Shutdown behavior Stop

Stop - Hibernate behavior ☐ Enable hibernation as an additional stop behavior

Enable termination protection ☒ Protect against accidental termination

Monitoring ☐ Enable CloudWatch detailed monitoring Additional charges apply.

Tenancy Shared - Run a shared hardware instance Additional charges will apply for dedicated tenancy.

Elastic Graphics ☐ Add Graphics Acceleration Additional charges apply.

T2/T3 Unlimited ☐ Enable Additional charges may apply

Advanced Details

Metadata accessible Enabled

Cancel Previous Review and Launch Next: Add Storage

The screenshot shows the AWS Management Console's Launch Instance Wizard at Step 3: Configure Instance Details. The breadcrumb trail at the top indicates the steps: 1. Choose AMI, 2. Choose Instance Type, 3. Configure Instance, 4. Add Storage, 5. Add Tags, 6. Configure Security Group, and 7. Review. The current step, Step 3, includes options for Elastic Graphics (Add Graphics Acceleration), T2/T3 Unlimited (Enable), and Advanced Details (Metadata accessible, Metadata version, Metadata token response hop limit, and User data). The 'Review and Launch' button is highlighted in blue, and the 'Next: Add Storage' button is visible. The bottom of the screen shows a Windows taskbar with various application icons and a system clock indicating 8:51 PM on 18/08/2020.

Launch instance wizard | EC2 M... x

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

aws Services Resource Groups

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

Step 3: Configure Instance Details

Additional charges will apply for dedicated tenancy.

Elastic Graphics *i* ☐ Add Graphics Acceleration
Additional charges apply.

T2/T3 Unlimited *i* ☐ Enable
Additional charges may apply

▼ Advanced Details

Metadata accessible *i* Enabled

Metadata version *i* V1 and V2 (token optional)

Metadata token response hop limit *i* 1

User data *i* ☒ As text ☐ As file ☐ Input is already base64 encoded
(Optional)

Cancel Previous **Review and Launch** Next: Add Storage

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8:51 PM 18/08/2020

9. No Changes Are Required So Click On Next: Add Tags

The screenshot shows the AWS Management Console's Launch Instance Wizard at Step 4: Add Storage. The breadcrumb trail at the top indicates the steps: 1. Choose AMI, 2. Choose Instance Type, 3. Configure Instance, 4. Add Storage, 5. Add Tags, 6. Configure Security Group, and 7. Review. The current step, Step 4, displays a table for storage volumes with columns for Volume Type, Device, Snapshot, Size (GiB), Volume Type, IOPS, Throughput (MB/s), Delete on Termination, and Encryption. A single volume is listed for the root device (/dev/sda1) with a size of 30 GiB, General Purpose SSD (gp2) volume type, 100 / 3000 IOPS, and N/A throughput. The 'Delete on Termination' checkbox is checked, and 'Encryption' is set to 'Not Encrypt'. An 'Add New Volume' button is present. A blue box contains information about the free tier for EBS. The 'Review and Launch' button is highlighted in blue, and the 'Next: Add Tags' button is visible. The bottom of the screen shows a Windows taskbar with various application icons and a system clock indicating 8:52 PM on 18/08/2020.

Launch instance wizard | EC2 M... x

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

aws Services Resource Groups

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

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 <i>i</i>	Device <i>i</i>	Snapshot <i>i</i>	Size (GiB) <i>i</i>	Volume Type <i>i</i>	IOPS <i>i</i>	Throughput (MB/s) <i>i</i>	Delete on Termination <i>i</i>	Encryption <i>i</i>
Root	/dev/sda1	snap-0fce5b6ed98763b3e	30	General Purpose SSD (gp2)	100 / 3000	N/A	<input checked="" type="checkbox"/>	Not Encrypt

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: Add Tags

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8:52 PM 18/08/2020

10. If You Want You Can Add Name Tag And Then Click On Next: Configure Security Groups

The screenshot shows the AWS Management Console's Launch Instance Wizard at Step 5: Add Tags. The breadcrumb trail at the top indicates the steps: 1. Choose AMI, 2. Choose Instance Type, 3. Configure Instance, 4. Add Storage, 5. Add Tags (current step), 6. Configure Security Group, and 7. Review. The page title is "Step 5: Add Tags". Below the title, there is explanatory text: "A tag consists of a case-sensitive key-value pair. For example, you could define a tag with key = Name and value = Webserver. A copy of a tag can be applied to volumes, instances or both. Tags will be applied to all instances and volumes. [Learn more](#) about tagging your Amazon EC2 resources." Below this text is a table with two columns: "Key" (128 characters maximum) and "Value" (256 characters maximum). There are also tabs for "Instances" and "Volumes". A message states "This resource currently has no tags". Below this, it says "Choose the Add tag button or [click to add a Name tag](#). Make sure your [IAM policy](#) includes permissions to create tags." At the bottom left is an "Add Tag" button with the note "(Up to 50 tags maximum)". At the bottom right are buttons for "Cancel", "Previous", "Review and Launch", and "Next: Configure Security Group". The footer shows the AWS logo, "Feedback", "English (US)", copyright notice "© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.", "Privacy Policy", "Terms of Use", and system status "ENG 8:52 PM 18/08/2020".

11. In The Type Dropdown Change To All Traffic And In Source Select Anywhere

12. Click On Review And Launch

The screenshot shows the AWS Management Console's Launch Instance Wizard at Step 6: Configure Security Group. The breadcrumb trail at the top indicates the steps: 1. Choose AMI, 2. Choose Instance Type, 3. Configure Instance, 4. Add Storage, 5. Add Tags, 6. Configure Security Group (current step), and 7. Review. The page title is "Step 6: Configure Security Group". Below the title, there is explanatory text: "A security group is a set of firewall rules that control the traffic for your instance. On this page, you can add rules to allow specific traffic to reach your instance. For example, if you want to set up a web server and allow Internet traffic to reach your instance, add rules that allow unrestricted access to the HTTP and HTTPS ports. You can create a new security group or select from an existing one below. [Learn more](#) about Amazon EC2 security groups." Below this text, under "Assign a security group:", there are two radio buttons: "Create a new security group" (selected) and "Select an existing security group". Below these are input fields for "Security group name:" (containing "launch-wizard-1") and "Description:" (containing "launch-wizard-1 created 2020-08-18T20:52:35.756+05:30"). Below these fields is a table with columns: "Type", "Protocol", "Port Range", "Source", and "Description". The first row has "All traffic" in the Type dropdown, "All" in the Protocol dropdown, "0 - 65535" in the Port Range field, "Anywhere" in the Source dropdown, and "0.0.0.0/0, ::/0" in the Source field. The Description field contains "e.g. SSH for Admin Desktop". Below the table is an "Add Rule" button. Below the table is a yellow warning box with a warning icon and the text: "Warning Rules with source of 0.0.0.0/0 allow all IP addresses to access your instance. We recommend setting security group rules to allow access from known IP addresses only." At the bottom right are buttons for "Cancel", "Previous", and "Review and Launch". The footer shows the AWS logo, "Feedback", "English (US)", copyright notice "© 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved.", "Privacy Policy", "Terms of Use", and system status "ENG 8:52 PM 18/08/2020".

13. Click On Launch

Launch instance wizard | EC2 M... x +

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

Services Resource Groups

1. Choose AMI 2. Choose Instance Type 3. Configure Instance 4. Add Storage 5. Add Tags 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 2019 Base - ami-0239d3998515e9ed1

Free tier eligible

Microsoft Windows 2019 Datacenter edition. [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 (GB)	EBS-Optimized Available	Network Performance
t2.micro	Variable	1	1	EBS only	-	Low to Moderate

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

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Launch instance wizard | EC2 M... x +

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

Services Resource Groups

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

Step 7: Review Instance Launch

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](#)

Security group name launch-wizard-1

Description launch-wizard-1 created 2020-08-18T20:52:35.756+05:30

Type	Protocol	Port Range	Source	Description
All traffic	All	All	0.0.0.0/0	
All traffic	All	All	::/0	

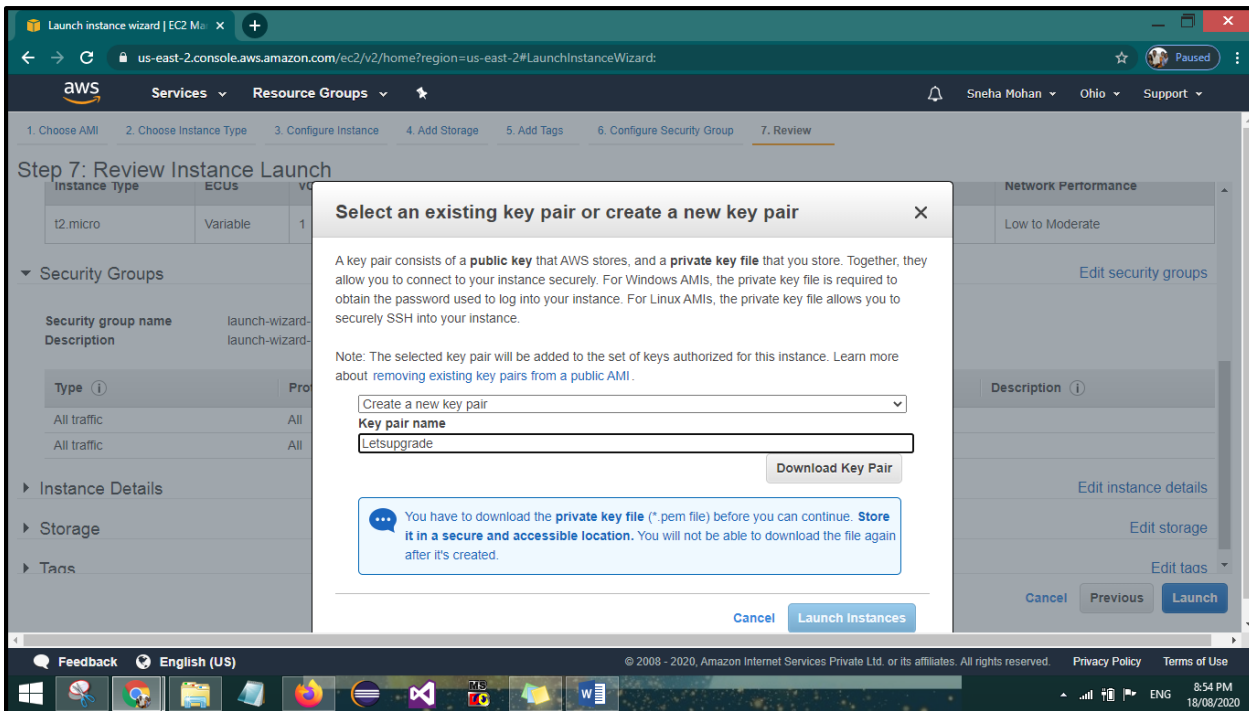
Instance Details [Edit instance details](#)

Storage [Edit storage](#)

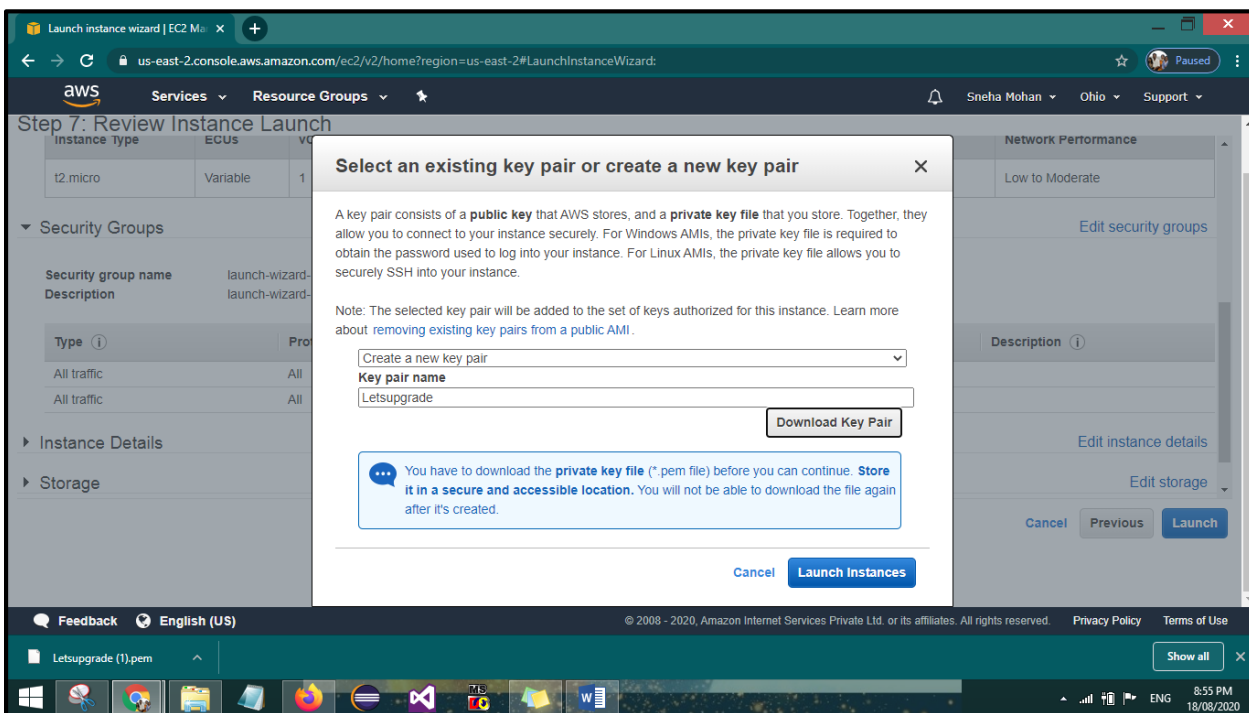
[Cancel](#) [Previous](#) [Launch](#)

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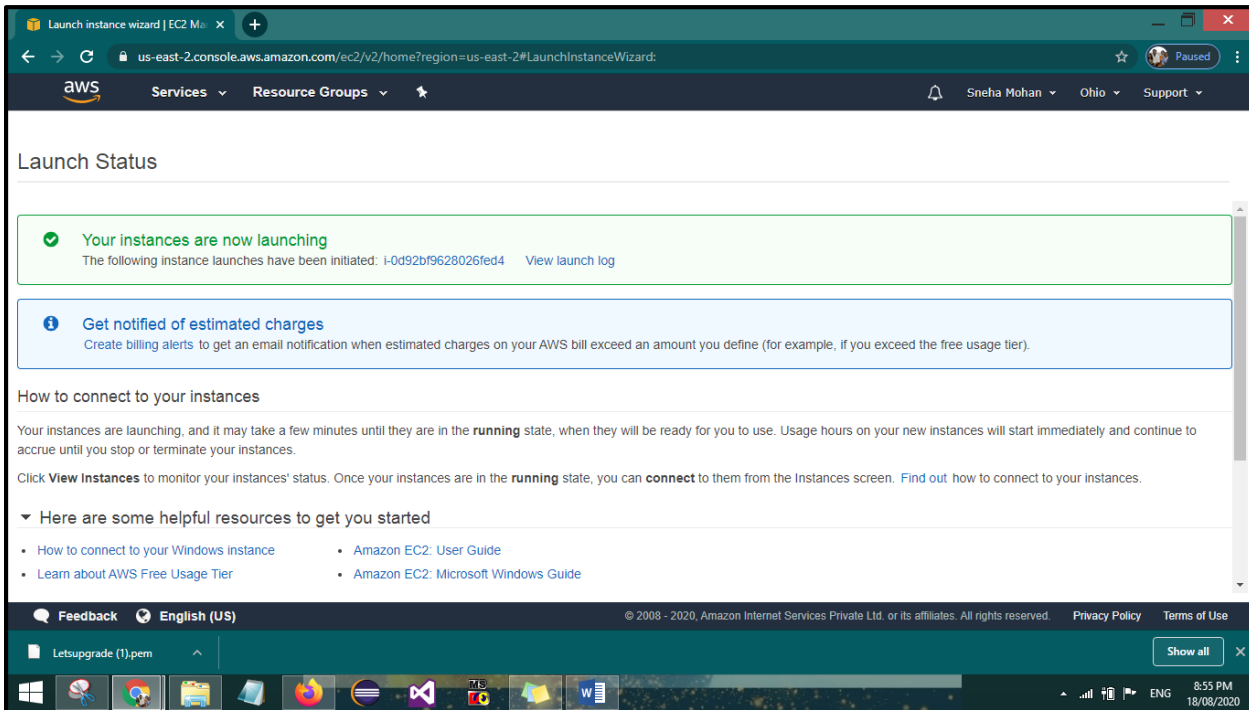
14. Click On Create A New Key Pair And Give Name Appropriately
15. Download The Key Pair



16. Click On Launch Instances

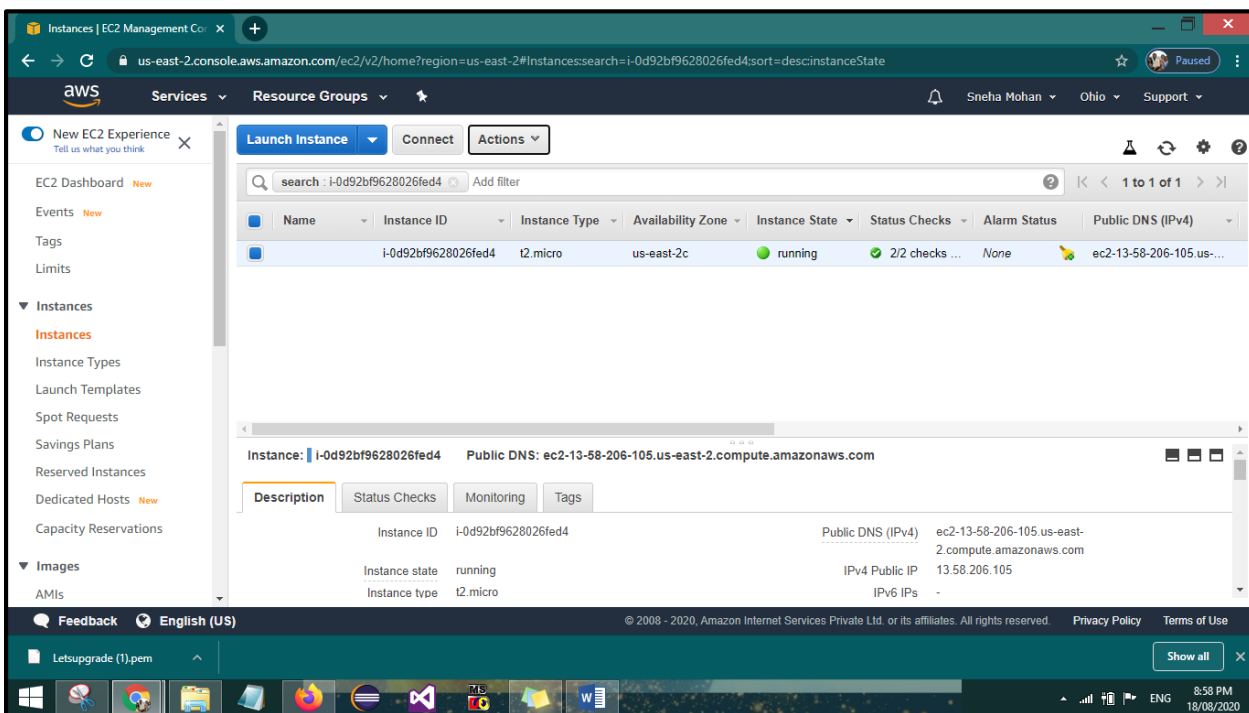


17. Open The Link Next To View Launch Tags



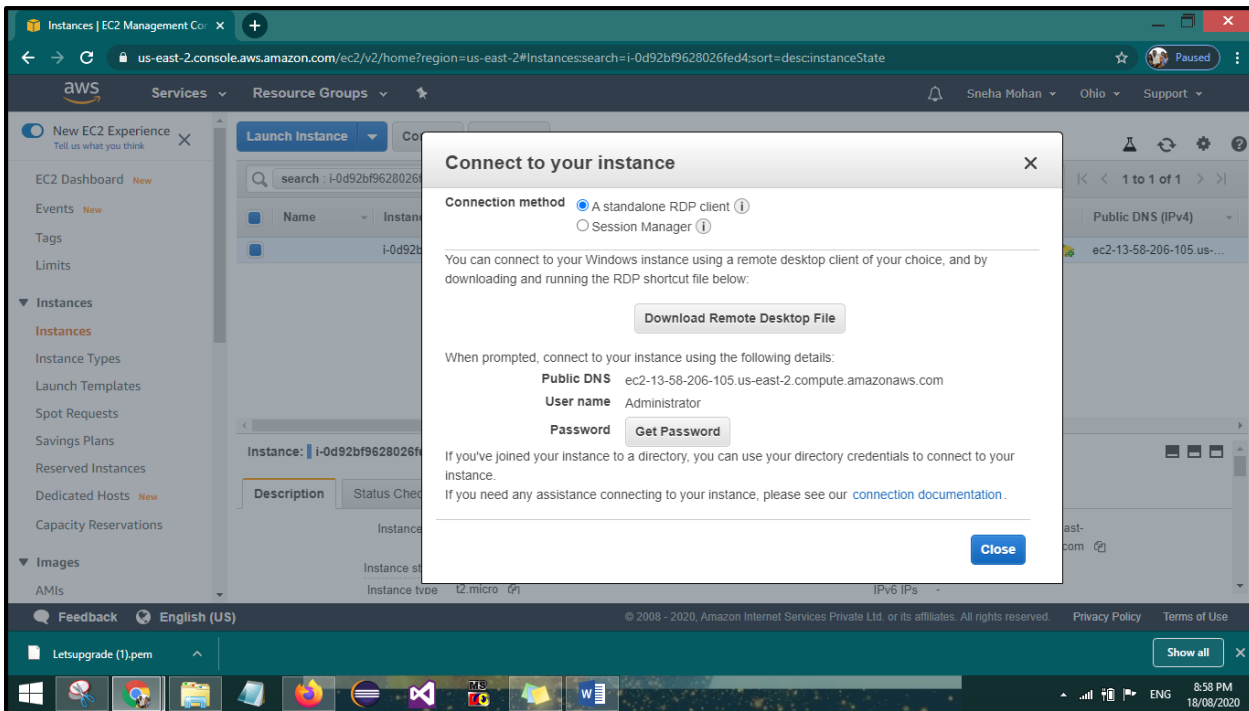
18. You Can See The Instance Initializing, Let It Complete Initialization

19. Then Click On Connect Button Or Go To Actions And Click Connect



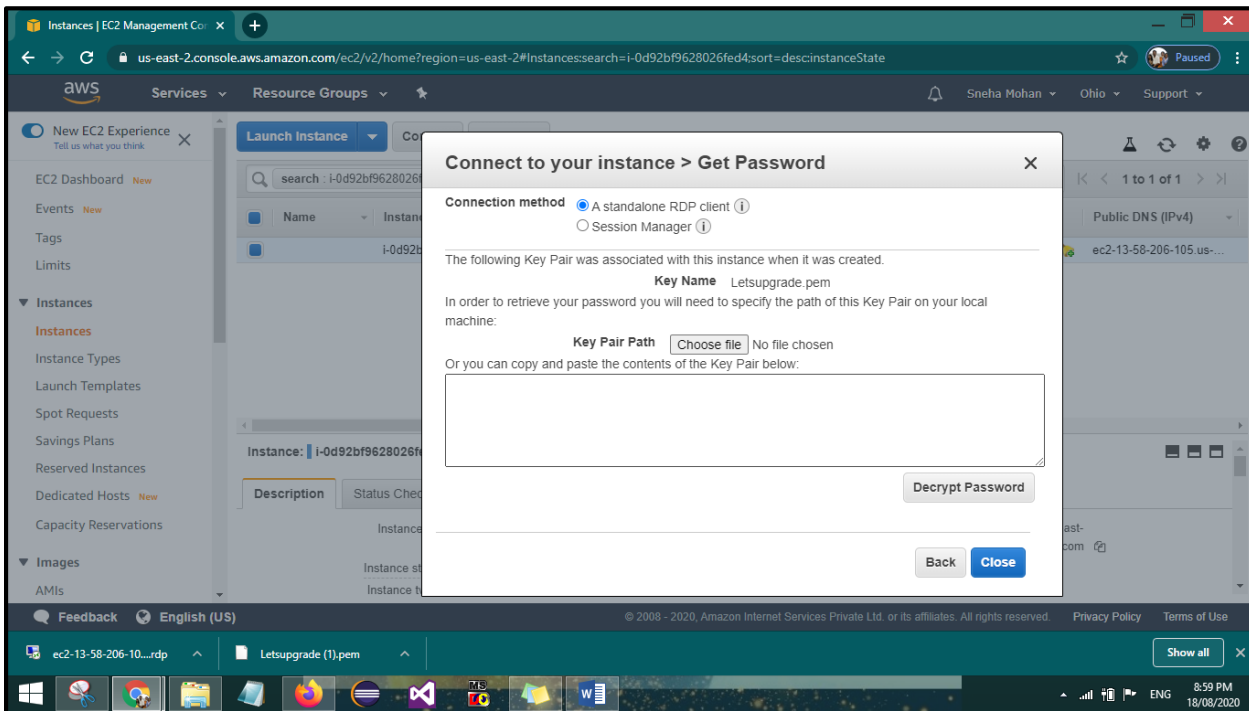
20. Download Remote Desktop File

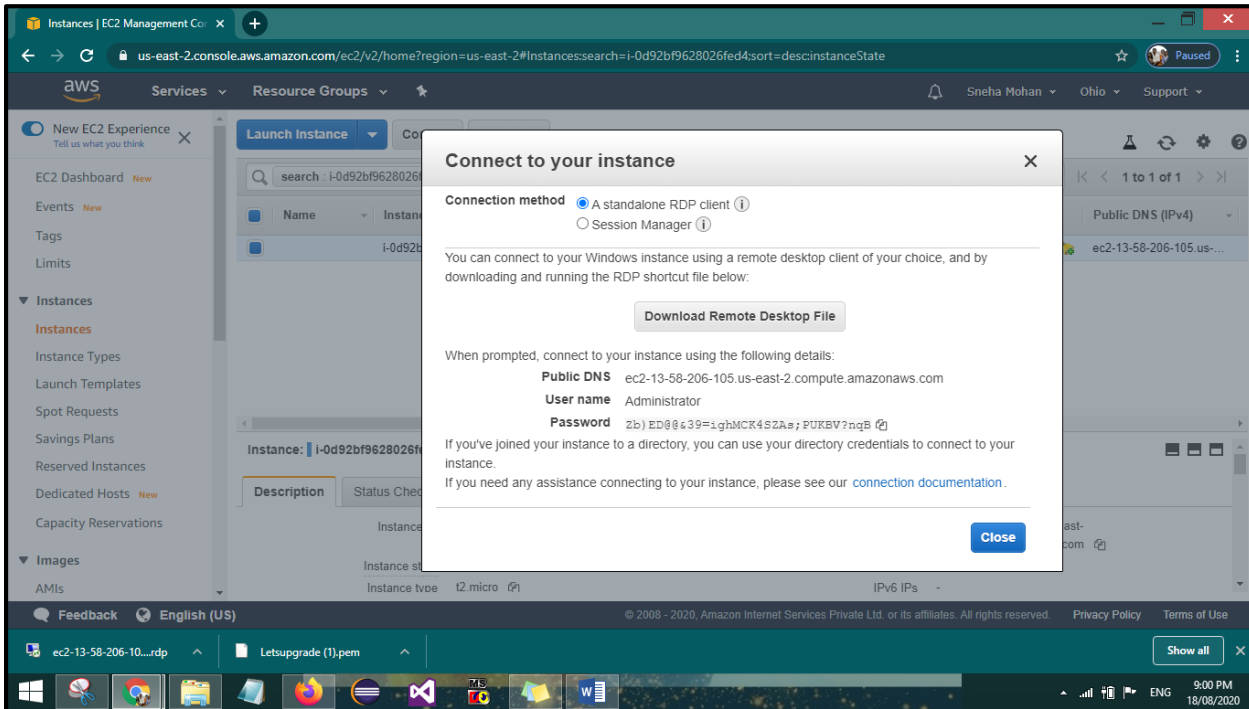
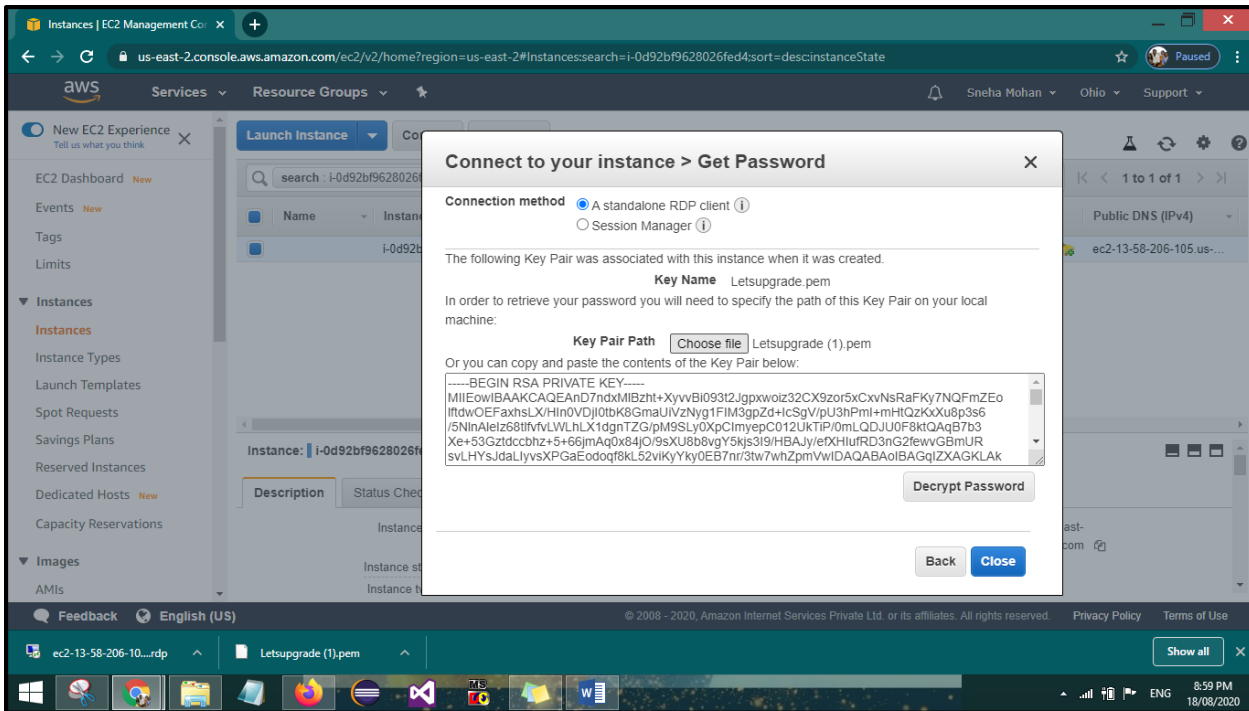
21. Click On Get Password



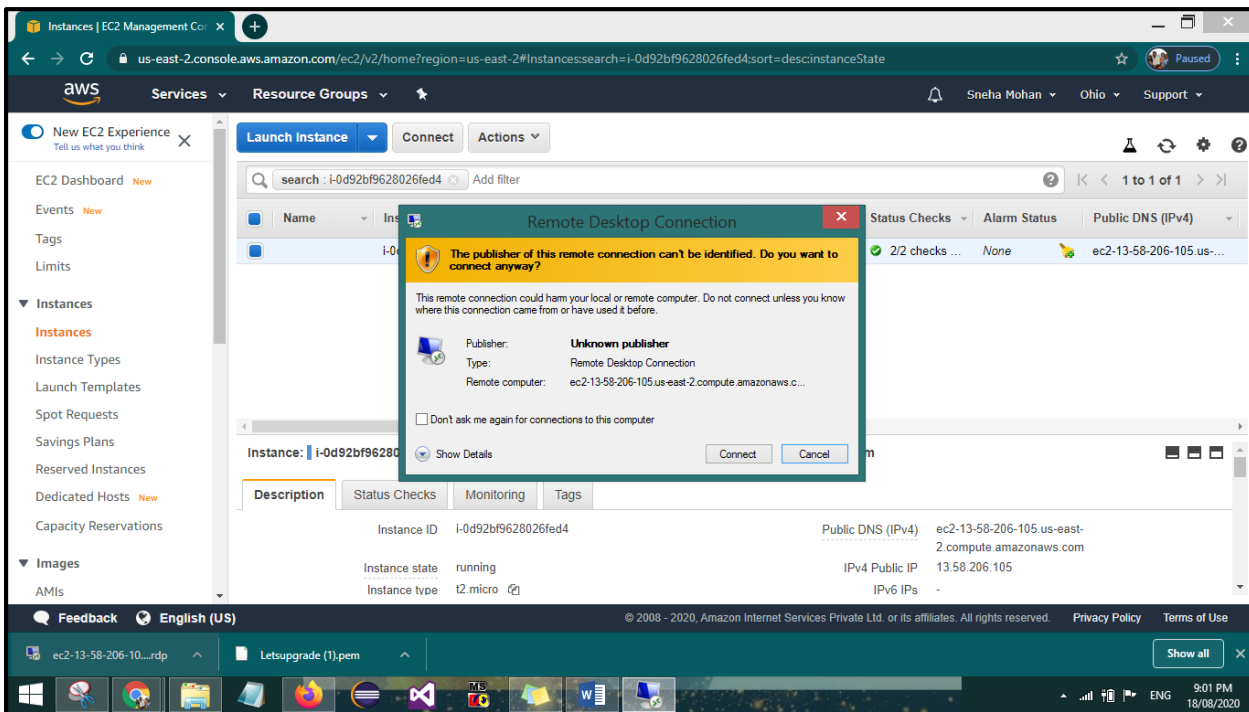
22. Choose The Downloaded .Pem File And Click On Decrypt Password

23. Copy The Password And Close

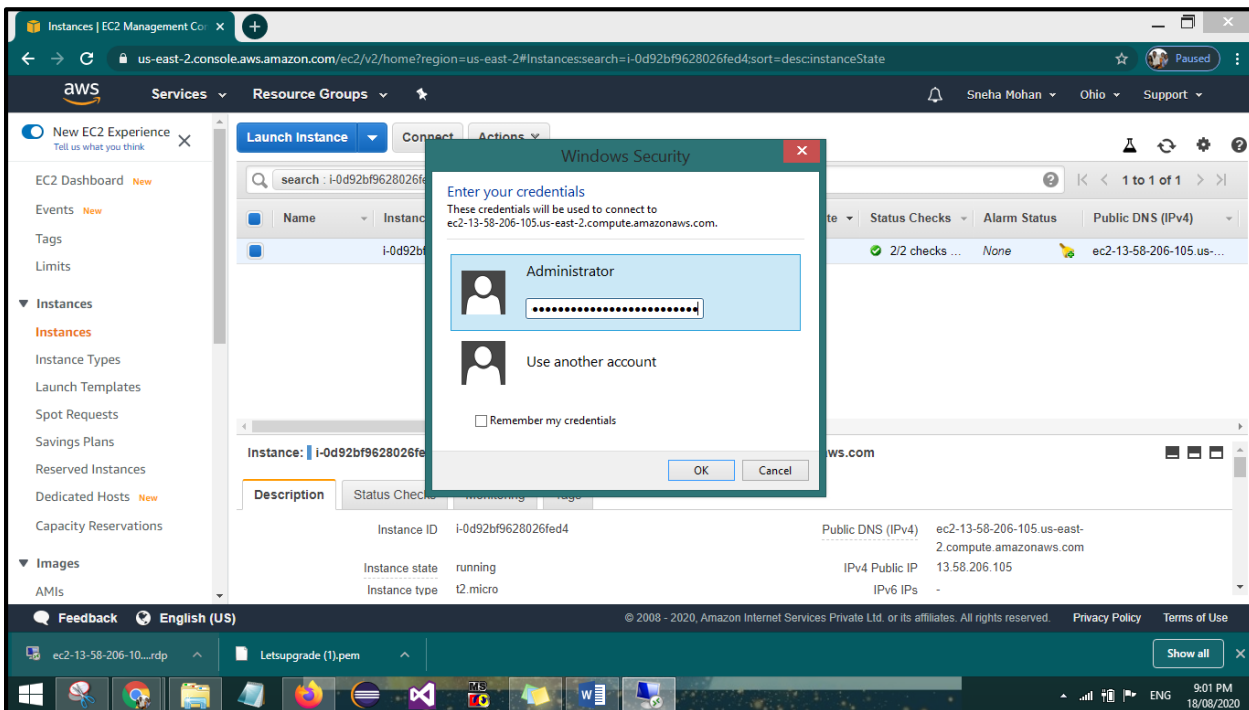




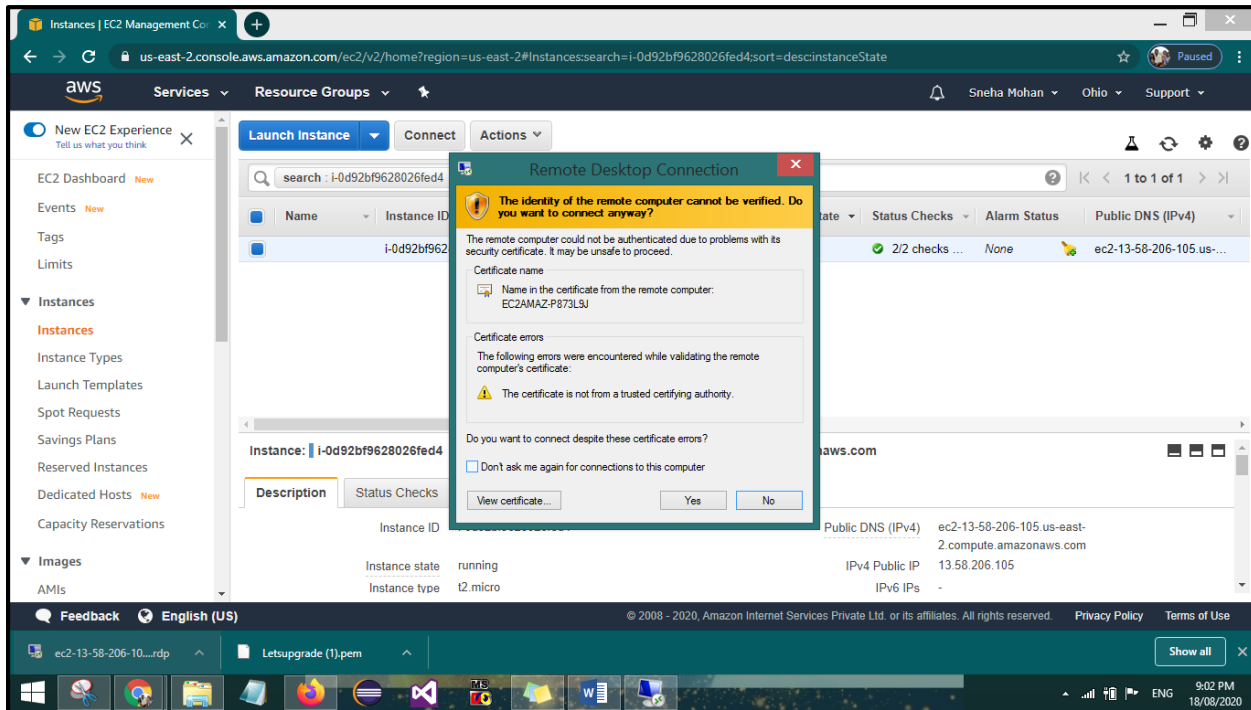
24. Open The Remote Desktop File Click On Connect



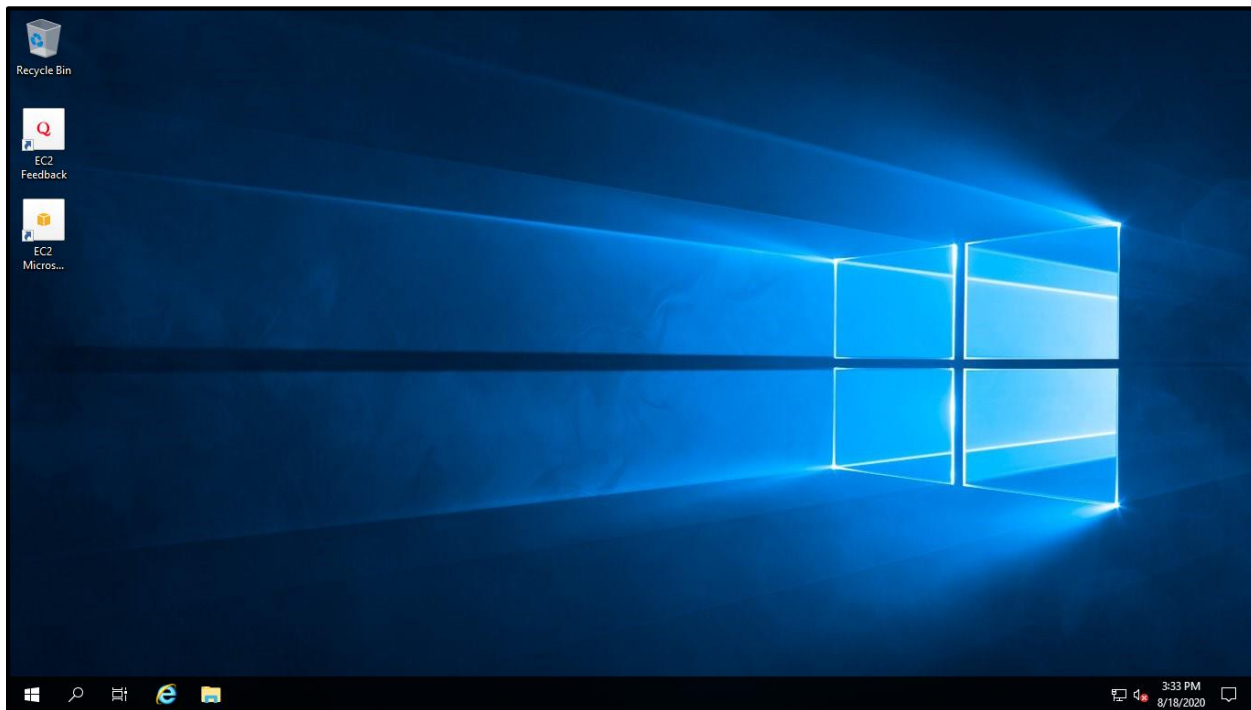
25. Paste The Password And Click On Ok



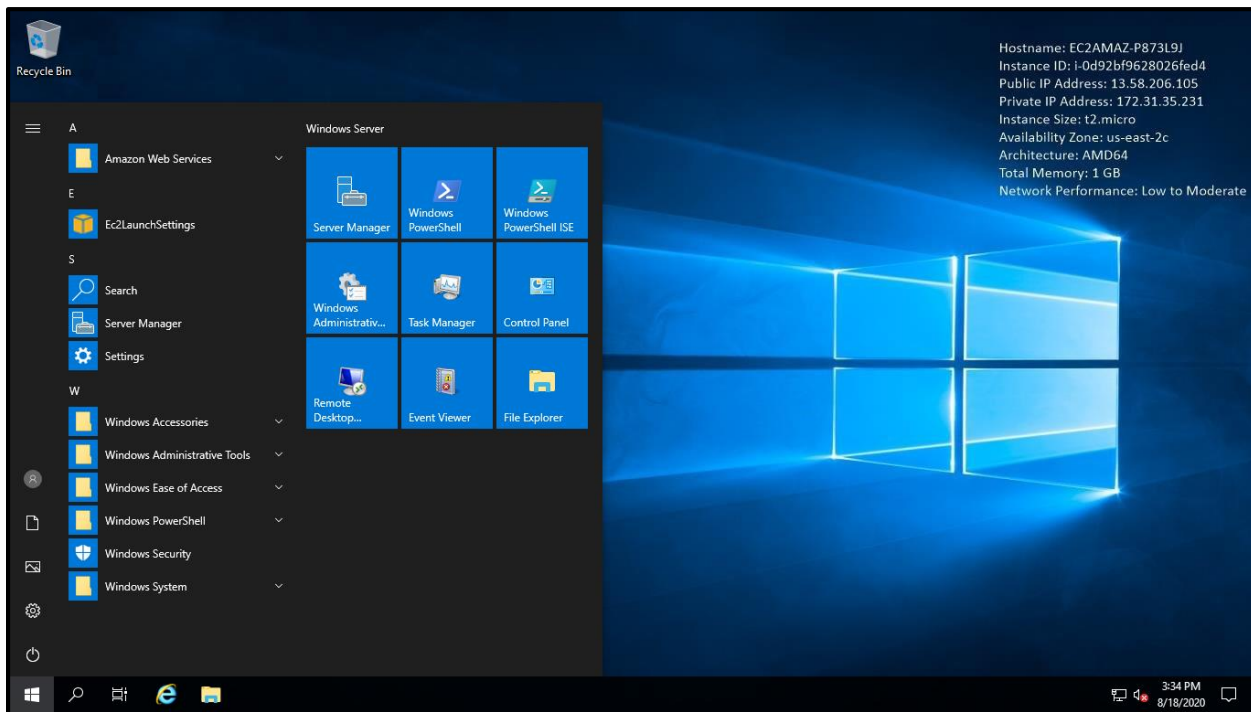
26. Click On Yes



27. Windows System Will Open

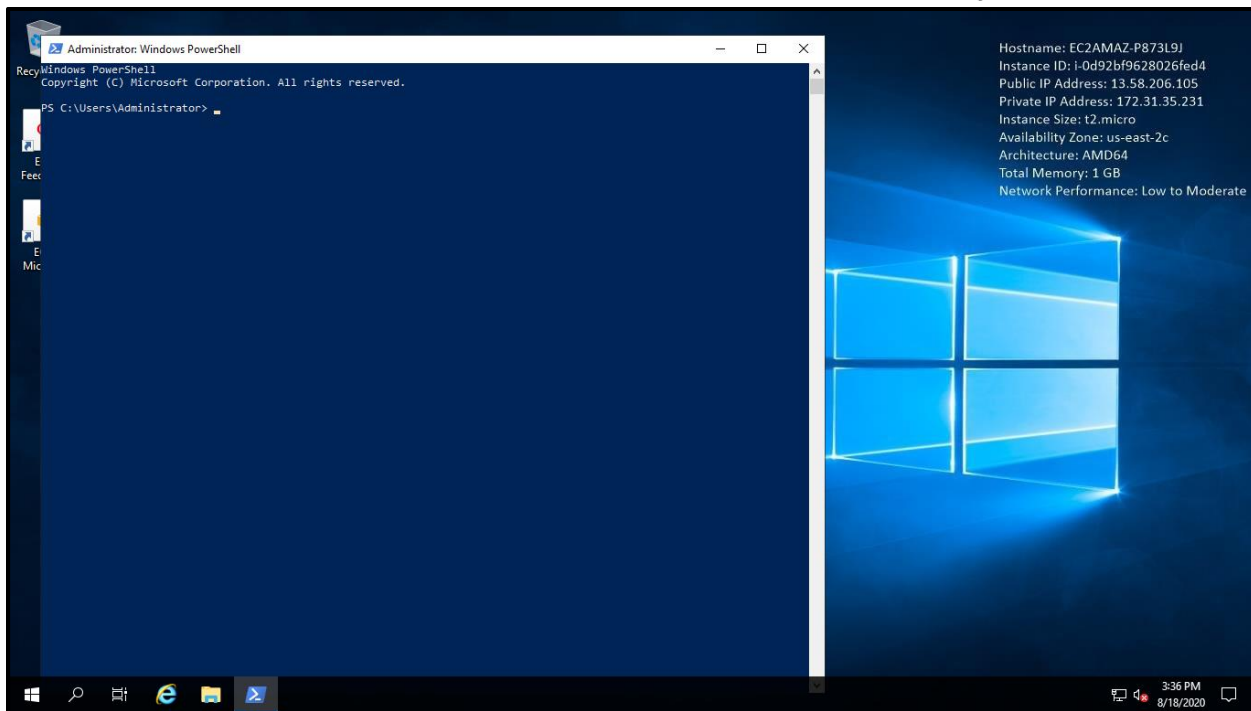


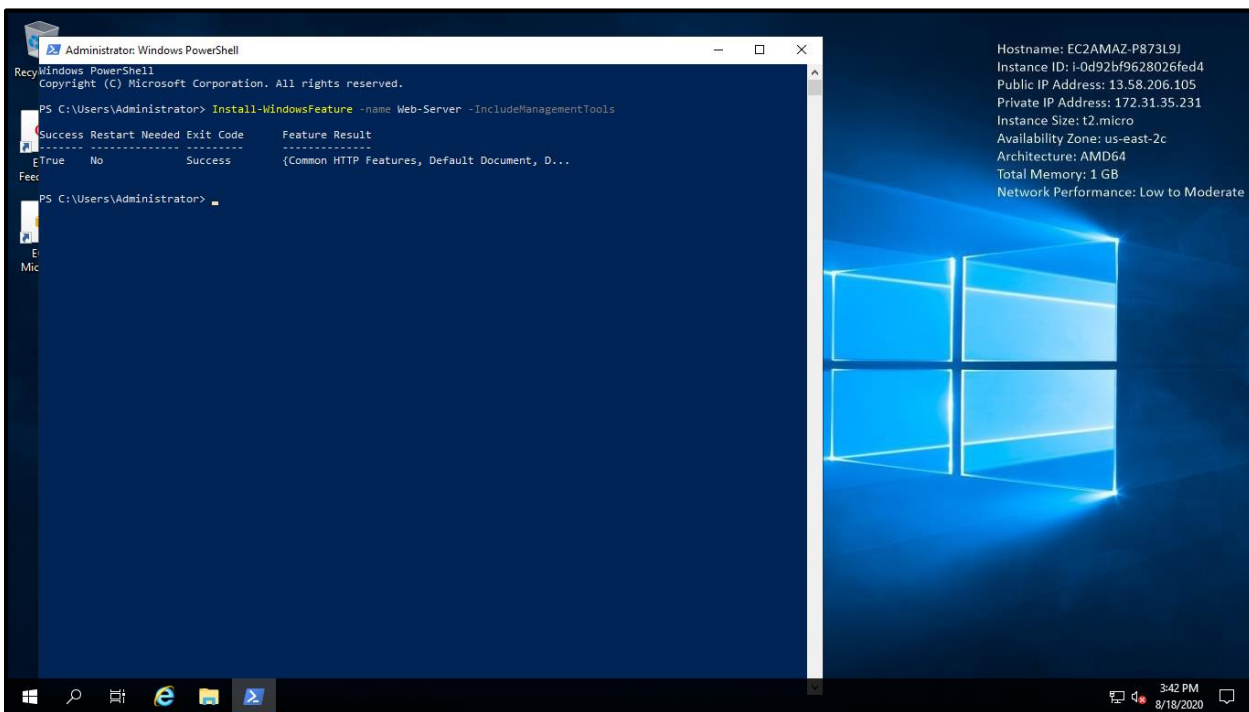
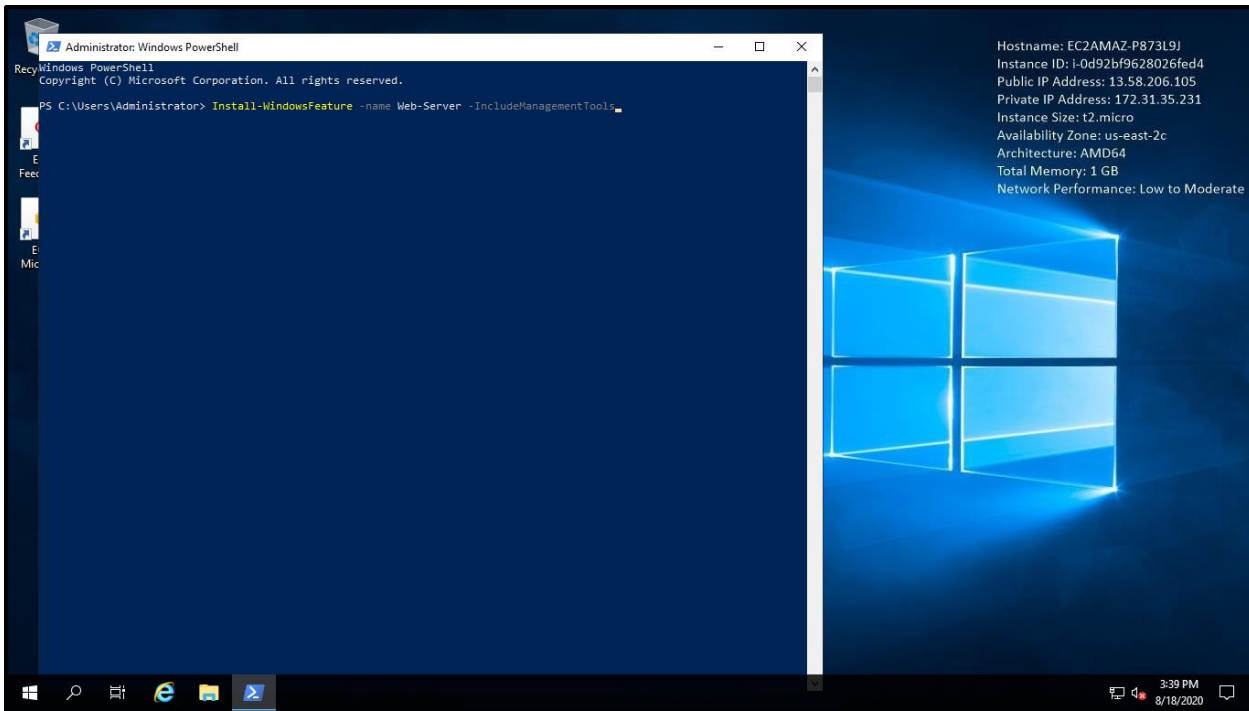
28. Click On Windows Symbol And Select Windows Powershell



29. Write The Following Code:

30. Install-WindowsFeature -name Web-Server -IncludeManagementTools





31. After Loading Is Fully Completed Go To Management Console
32. Copy The Ipv4 Address And Paste On New Tab
33. You Can See Windows Server There.

