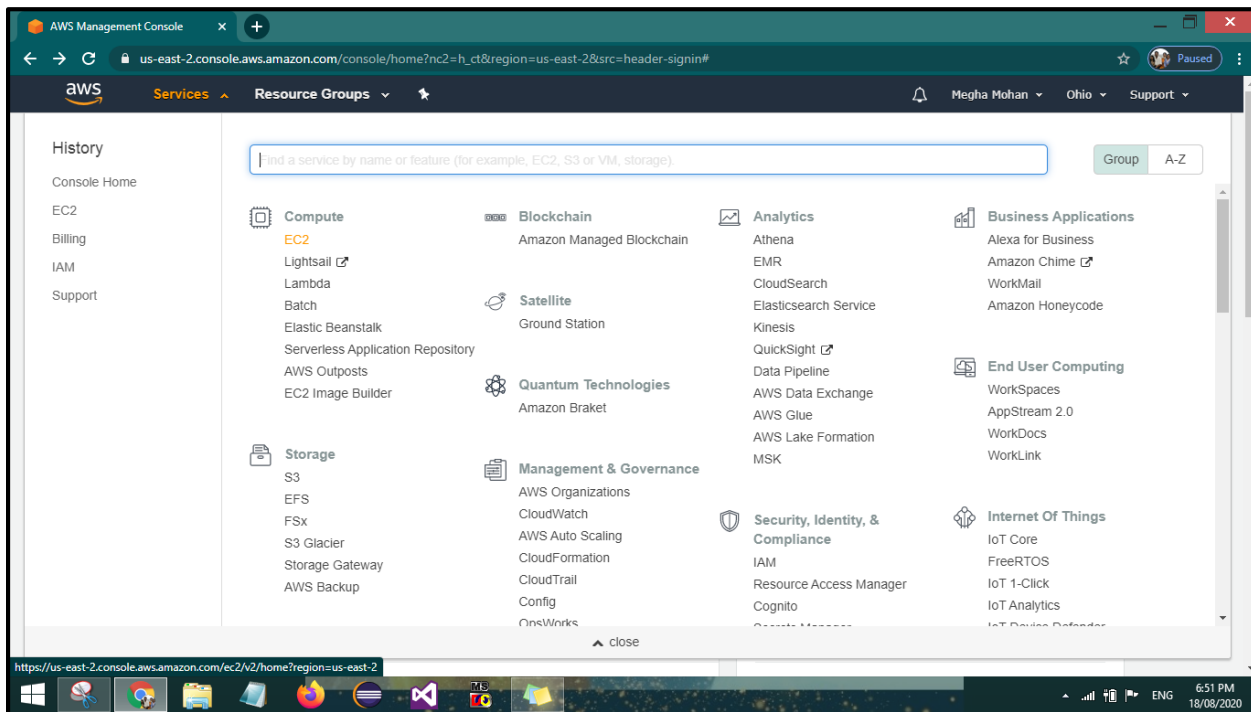


# DAY-3 ASSIGNMENT

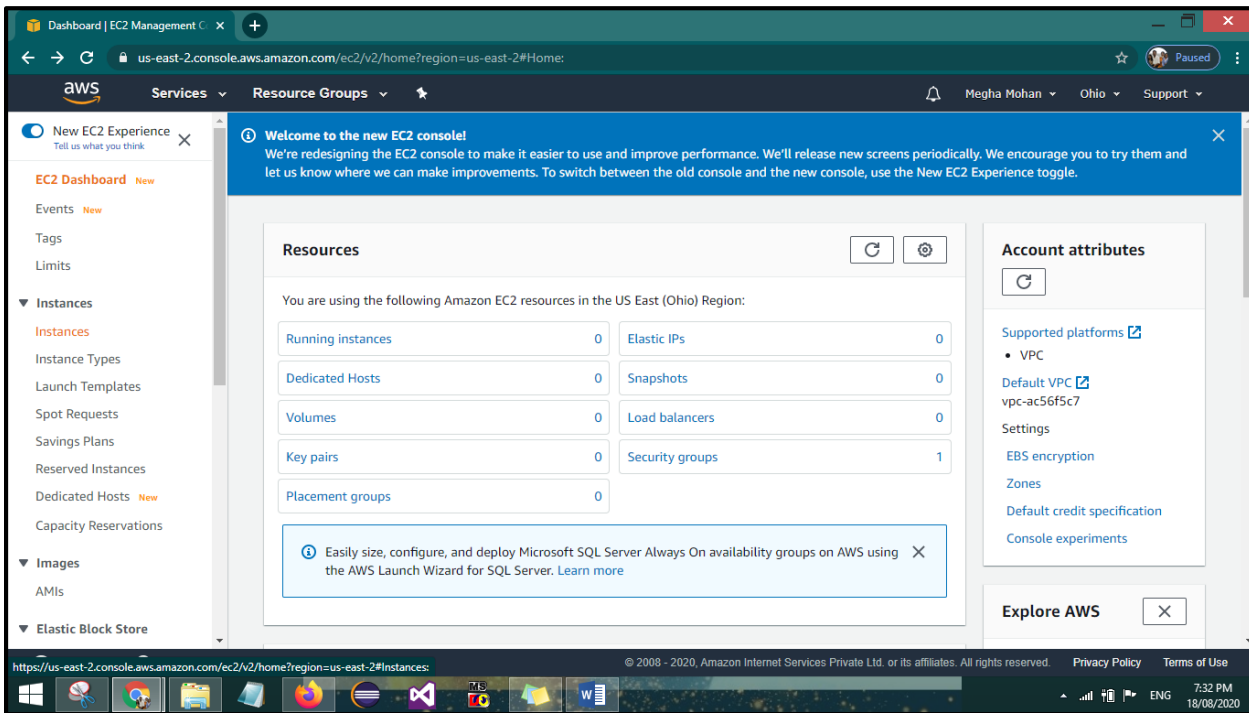
## WINDOWS SERVER

### STEPS:

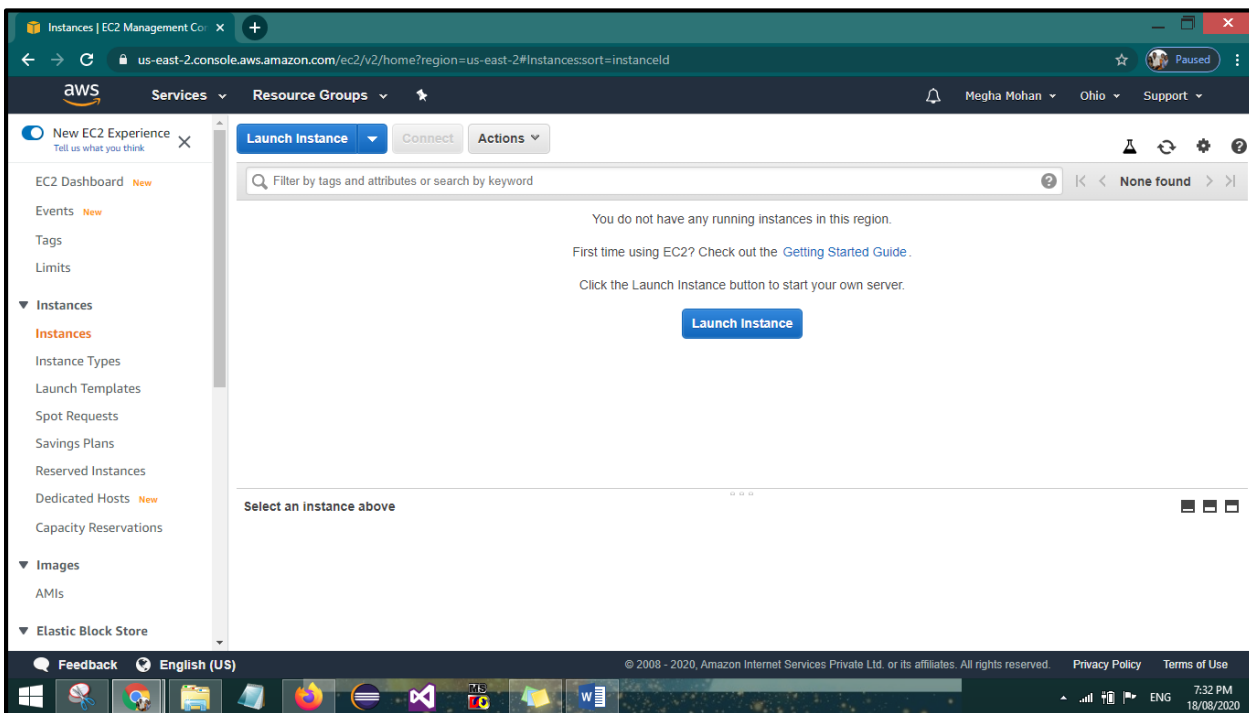
1. Open Aws Management Console
2. Click On Ec2



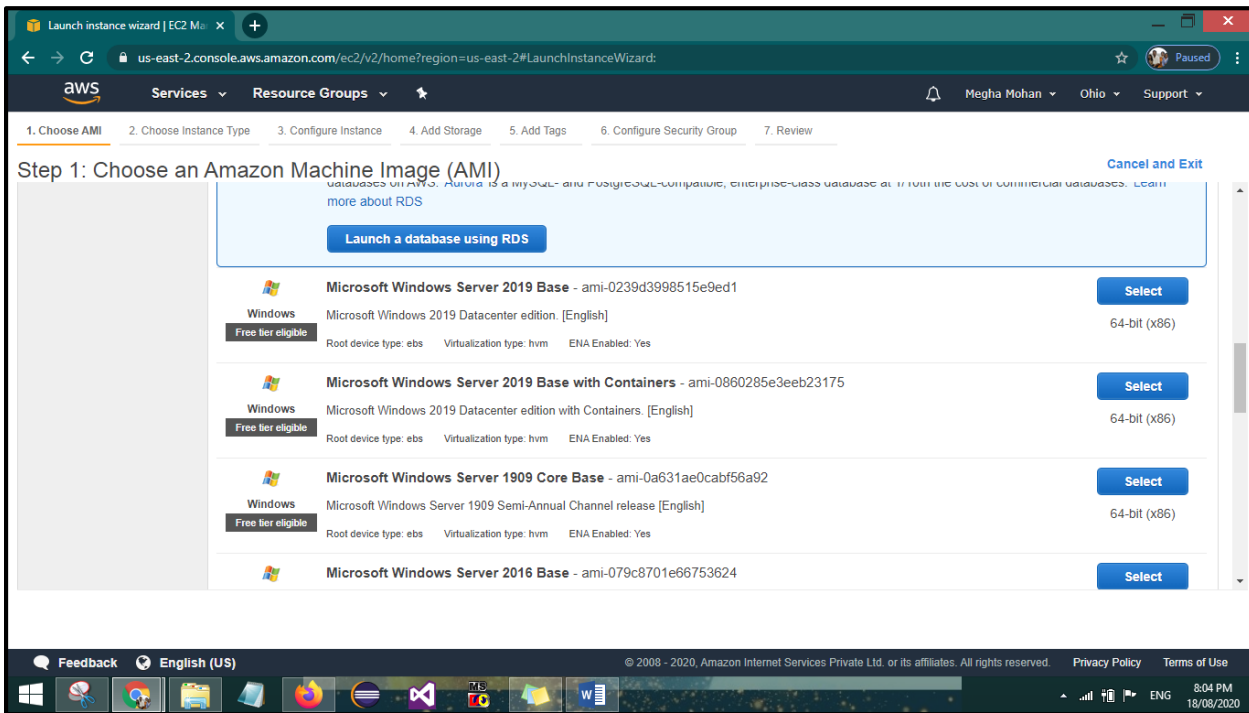
### 3. On The Right Sidebar Click On Instances



### 4. Now Click On Launch Instance

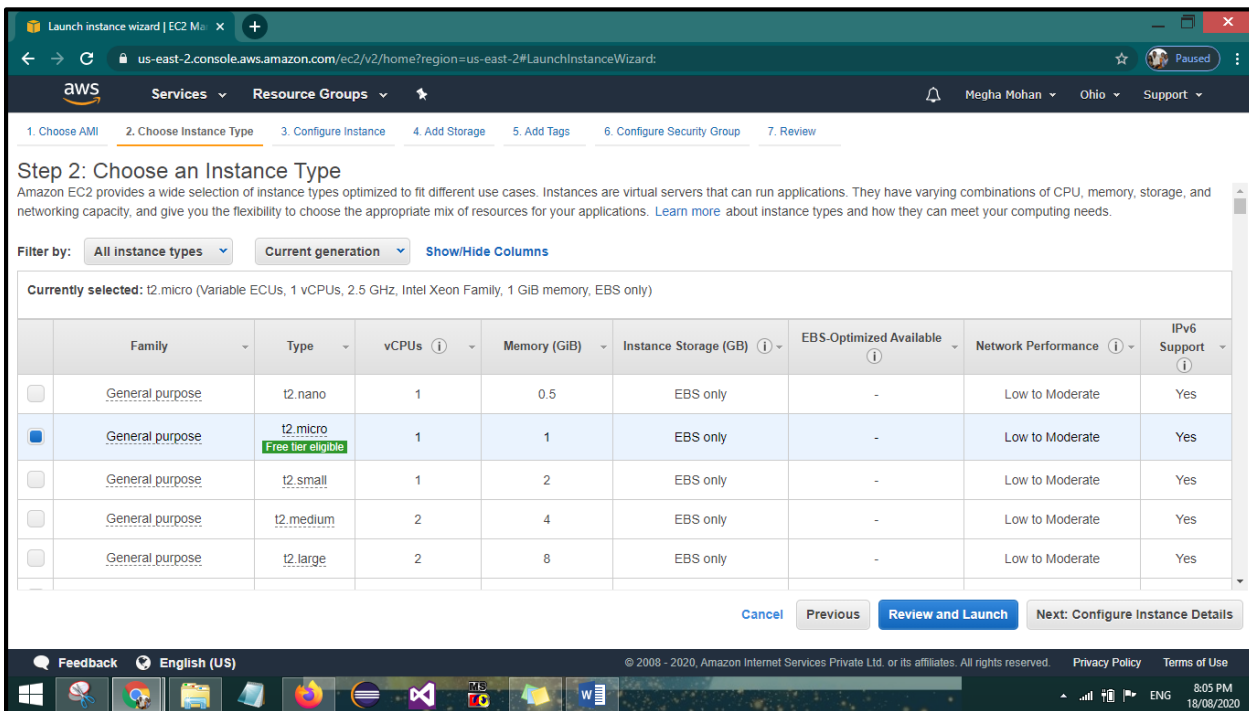


## 5. Select Microsoft Windows Server 2019 Base



## 6. Select The General Purpose Family For Free Tier

## 7. Click On 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:

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

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-ac56f5c7 (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

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8:07 PM 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

Shutdown behavior Stop

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

Enable termination protection ☒ Protect against accidental termination Additional charges apply.

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

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8:07 PM 18/08/2020

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 8:08 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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## 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, includes 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. 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 8:08 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

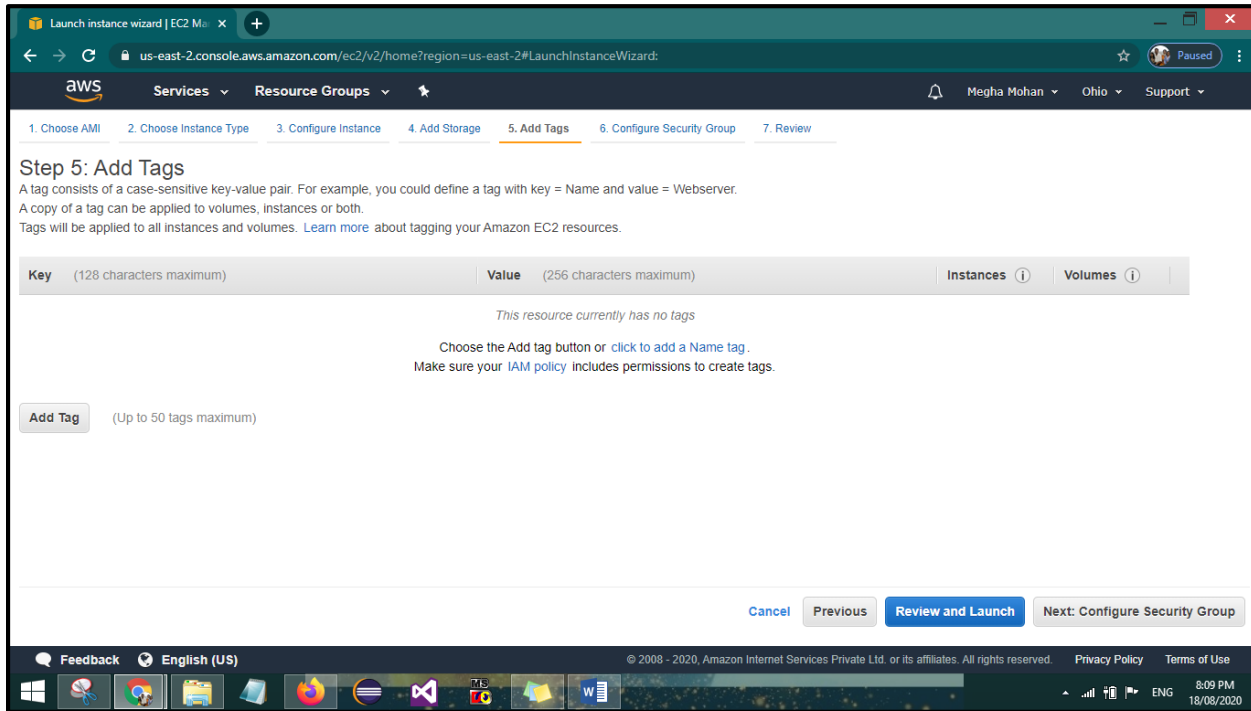
Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. [Learn more](#) about free usage tier eligibility and usage restrictions.

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

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8:08 PM 18/08/2020

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



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

## 12. Click On Review And Launch

Launch instance wizard | EC2 M...

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 6: Configure Security Group

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.

Assign a security group: ☒ Create a new security group  
☐ Select an existing security group

Security group name:   
Description:

Type	Protocol	Port Range	Source	Description
All traffic	All	0 - 65535	Anywhere 0.0.0.0/0, ::/0	e.g. SSH for Admin Desktop

Add Rule

**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.

Cancel Previous **Review and Launch**

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## 13. Click On Launch

Launch instance wizard | EC2 M...

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

AMI Details [Edit AMI](#)

**Microsoft Windows Server 2019 Base - ami-0239d3998515e9ed1**  
Microsoft Windows 2019 Datacenter edition. [English]  
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

Security Groups [Edit security groups](#)

Security group name: launch-wizard-1  
Description: launch-wizard-1 created 2020-08-18T20:10:52.670+05:30

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:

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 7: Review Instance Launch

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 2020-08-18T20:10:52.670+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](#)

► Tags [Edit tags](#)

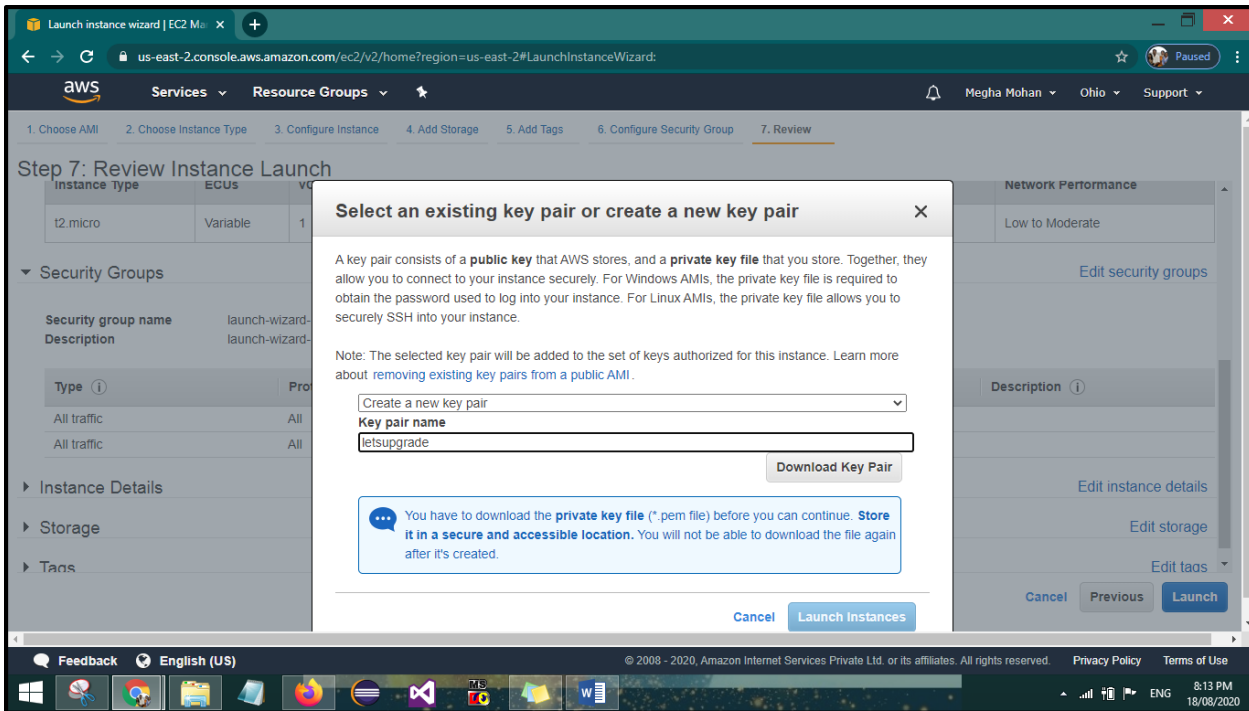
[Cancel](#) [Previous](#) [Launch](#)

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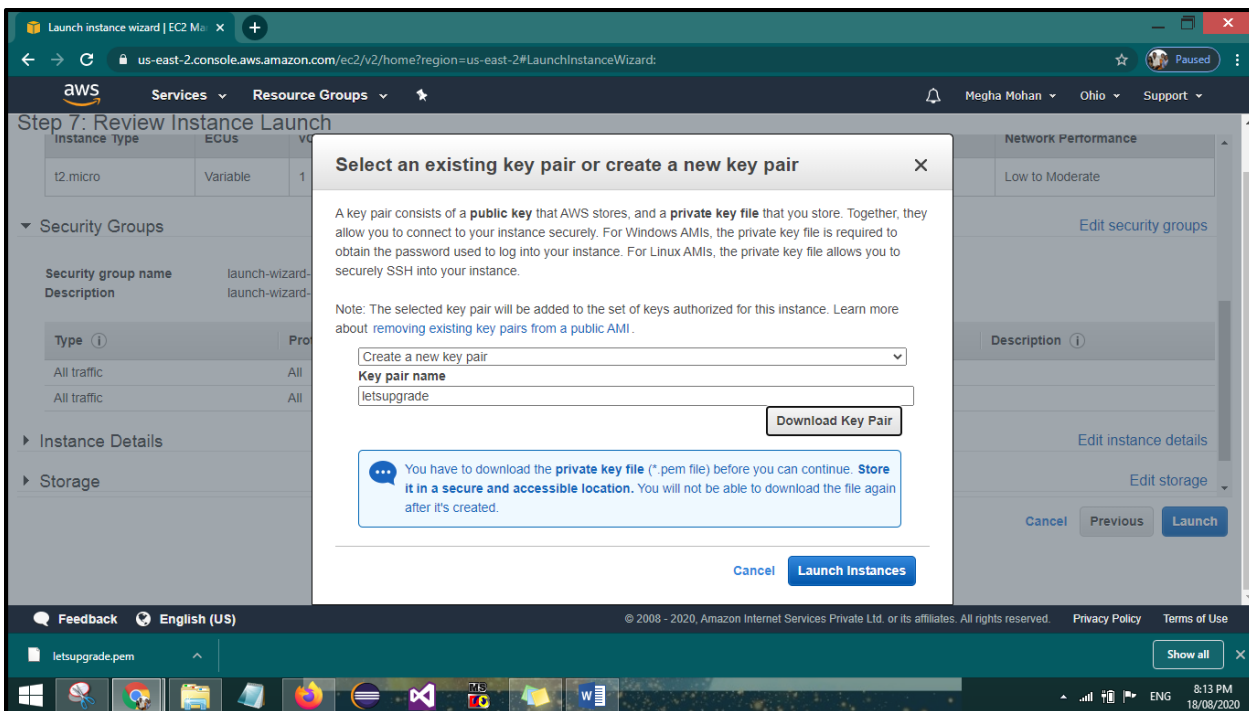
8:12 PM 18/08/2020

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

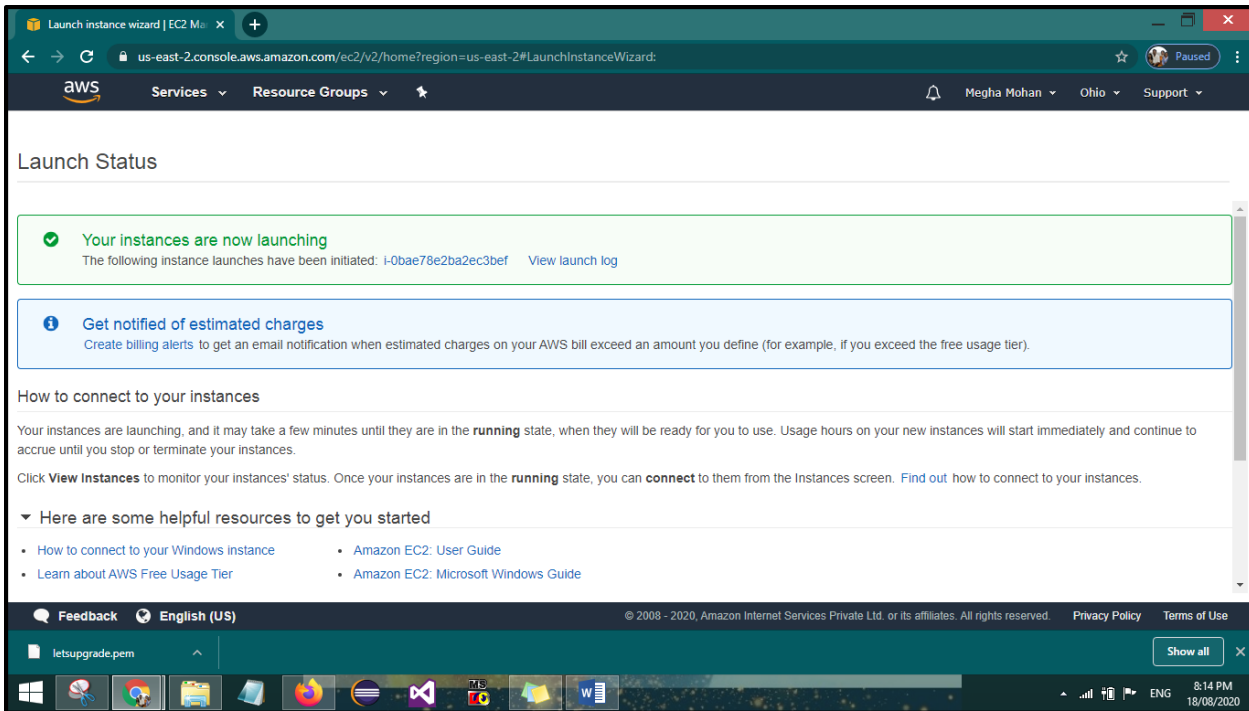




## 16. Click On Launch Instances

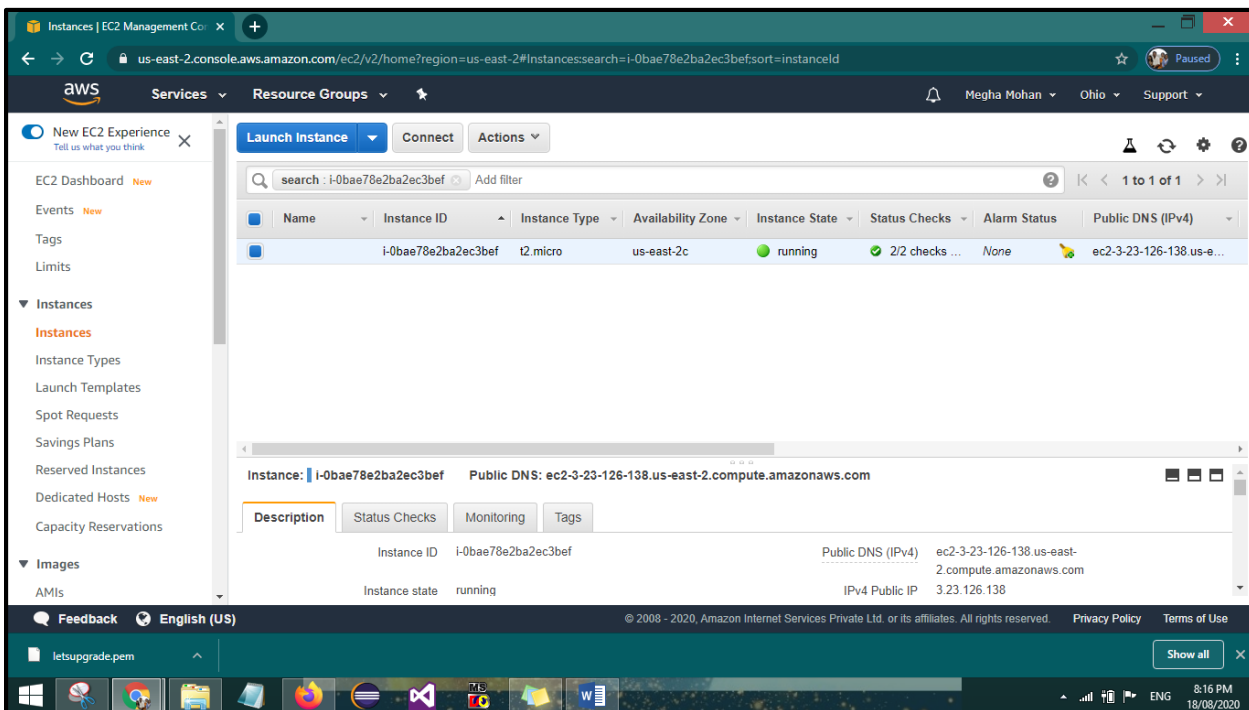


## 17. Open The Link Next To View Launch Tags



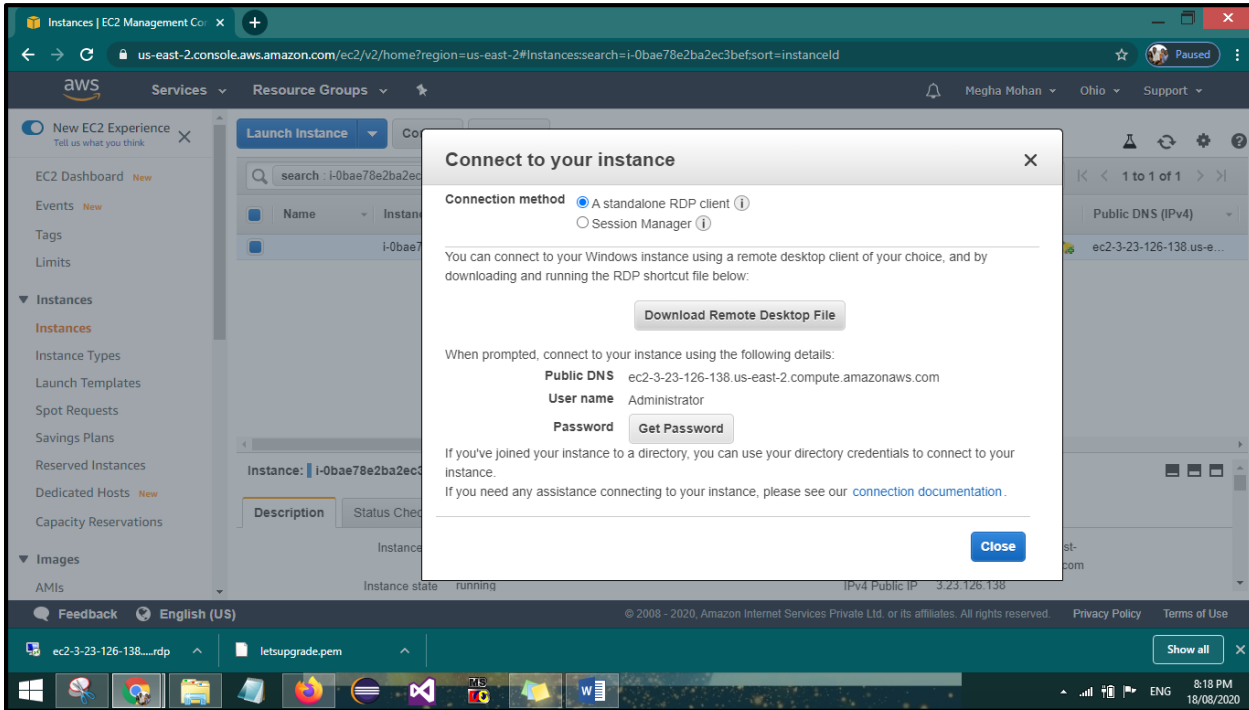
18. You Can See The Instance Initializing, Let It Complete Initialization

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



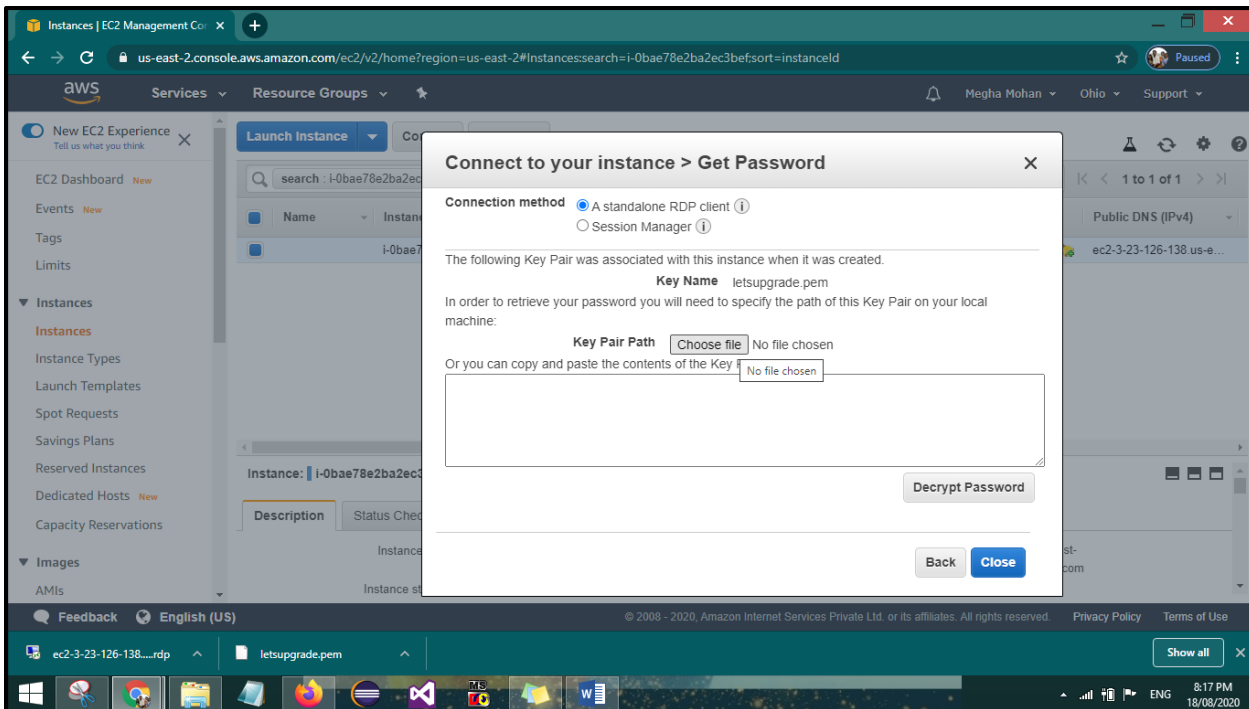
20. Download Remote Desktop File

## 21. Click On Get Password



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

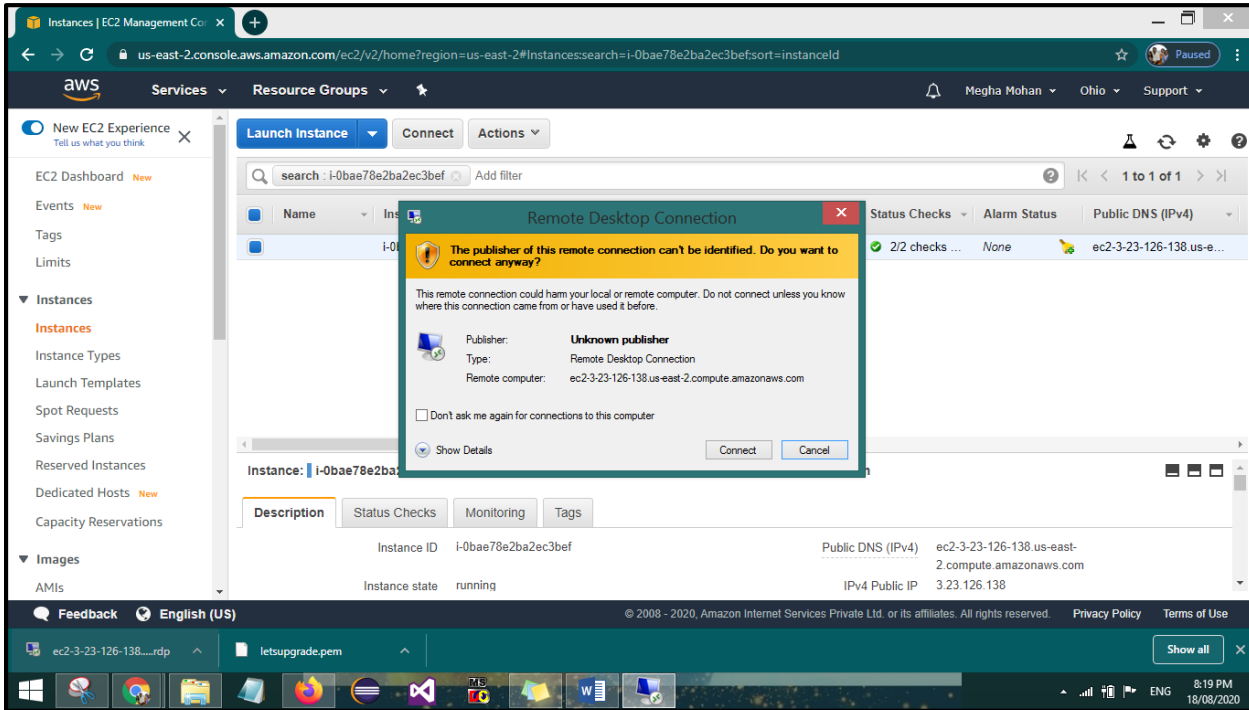
## 23. Copy The Password And Close



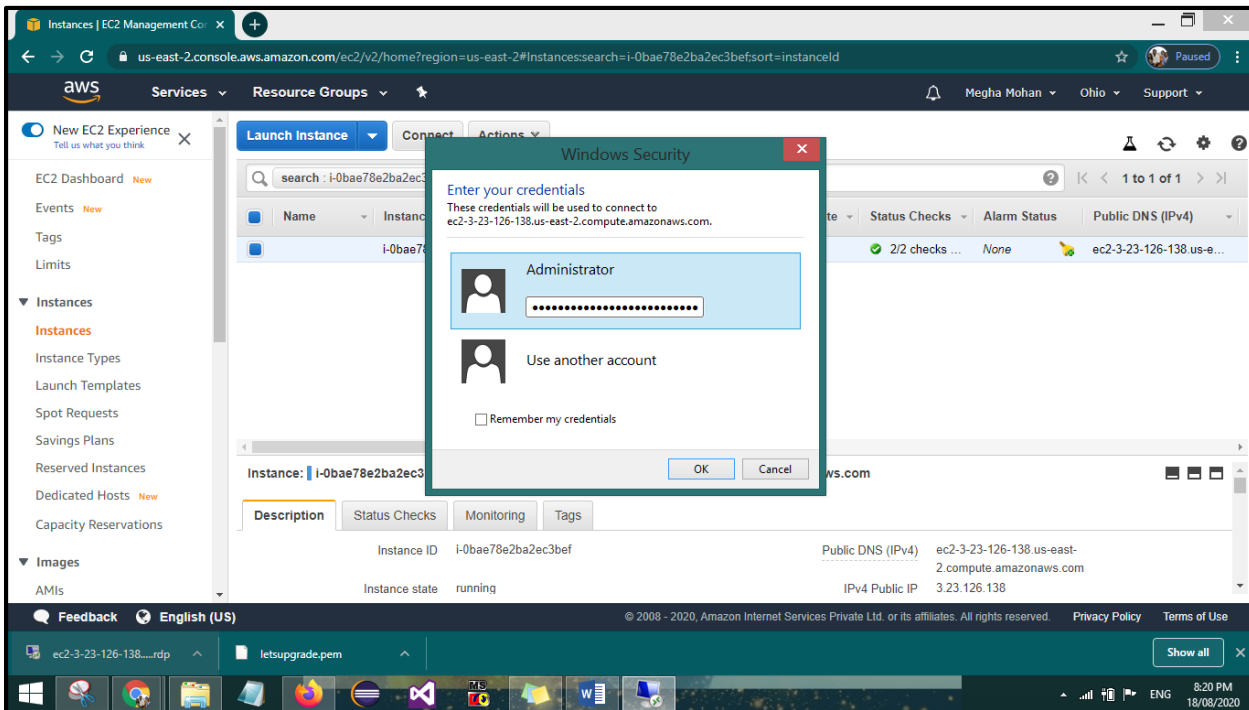
The screenshot shows the AWS Management Console interface. A modal dialog titled "Connect to your instance > Get Password" is open. It has two radio buttons for "Connection method": "A standalone RDP client" (selected) and "Session Manager". Below this, it states: "The following Key Pair was associated with this instance when it was created." It shows the "Key Name" as "letsupgrade.pem" and provides instructions on how to retrieve the password by specifying the path to the key pair on the local machine. There is a "Key Pair Path" field with a "Choose file" button and the text "letsupgrade.pem". Below this, it says "Or you can copy and paste the contents of the Key Pair below:" and displays a long RSA private key string. At the bottom of the dialog are buttons for "Decrypt Password", "Back", and "Close". The background shows the AWS console with a search bar, navigation menu, and instance details for "i-0bae78e2ba2ec3bfe".

The screenshot shows the AWS Management Console interface. A modal dialog titled "Connect to your instance" is open. It has two radio buttons for "Connection method": "A standalone RDP client" (selected) and "Session Manager". Below this, it states: "You can connect to your Windows instance using a remote desktop client of your choice, and by downloading and running the RDP shortcut file below:". There is a "Download Remote Desktop File" button. Below this, it says "When prompted, connect to your instance using the following details:" and lists the "Public DNS" as "ec2-3-23-126-138.us-east-2.compute.amazonaws.com", "User name" as "Administrator", and "Password" as "zDz@uFJ3Mz0(dDxq\*(UXyk3K\*dVYj53". It also includes a note: "If you've joined your instance to a directory, you can use your directory credentials to connect to your instance." and a link to "connection documentation". At the bottom of the dialog is a "Close" button. The background shows the AWS console with a search bar, navigation menu, and instance details for "i-0bae78e2ba2ec3bfe".

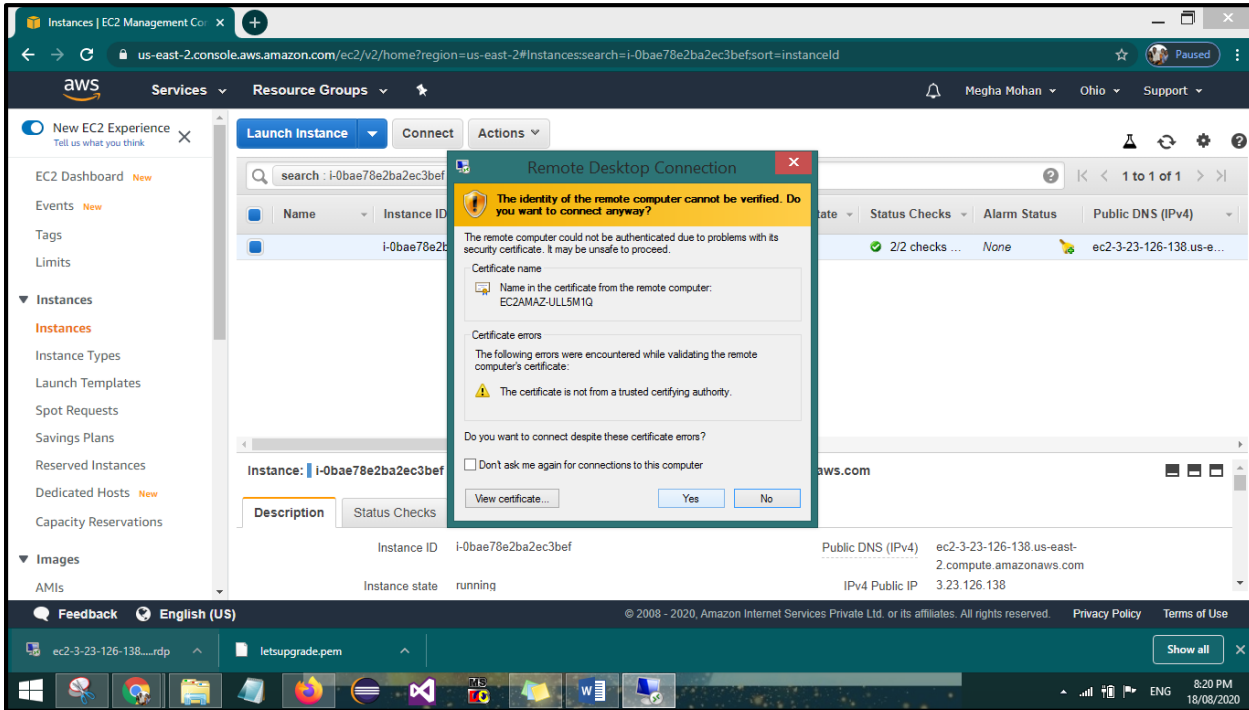
## 24. Open The Remote Desktop File Click On Connect



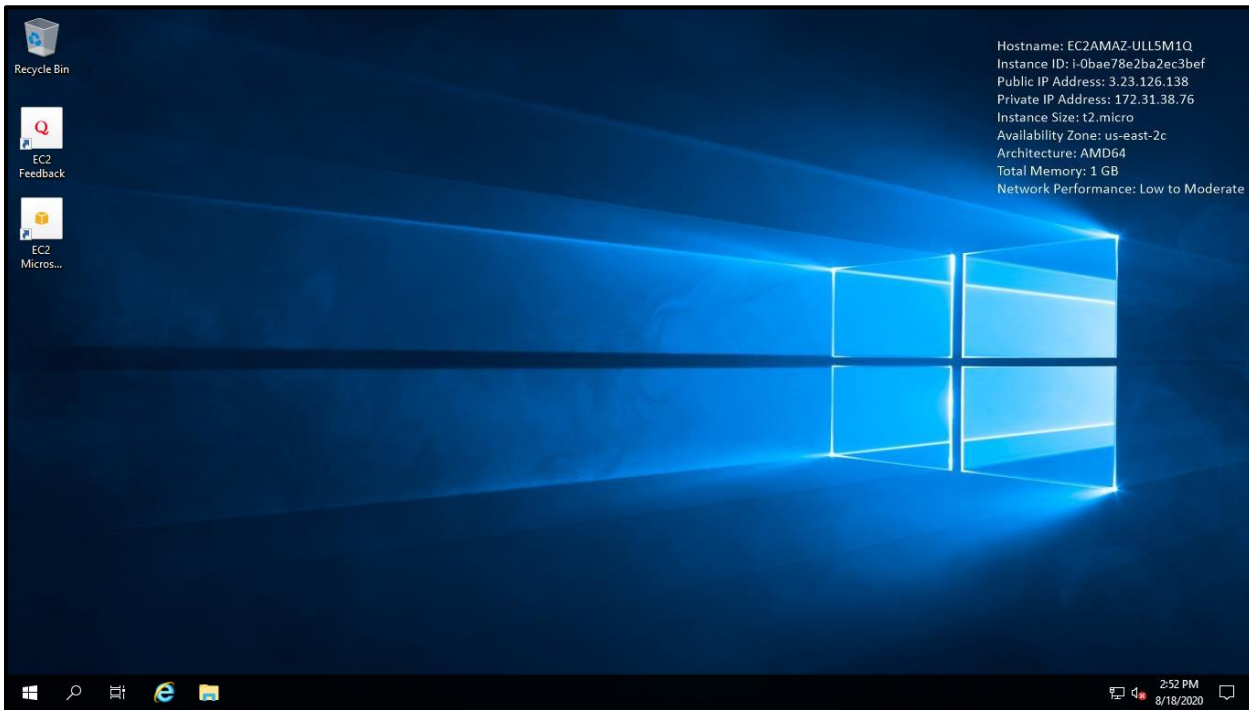
## 25. Paste The Password And Click On Ok



## 26. Click On Yes

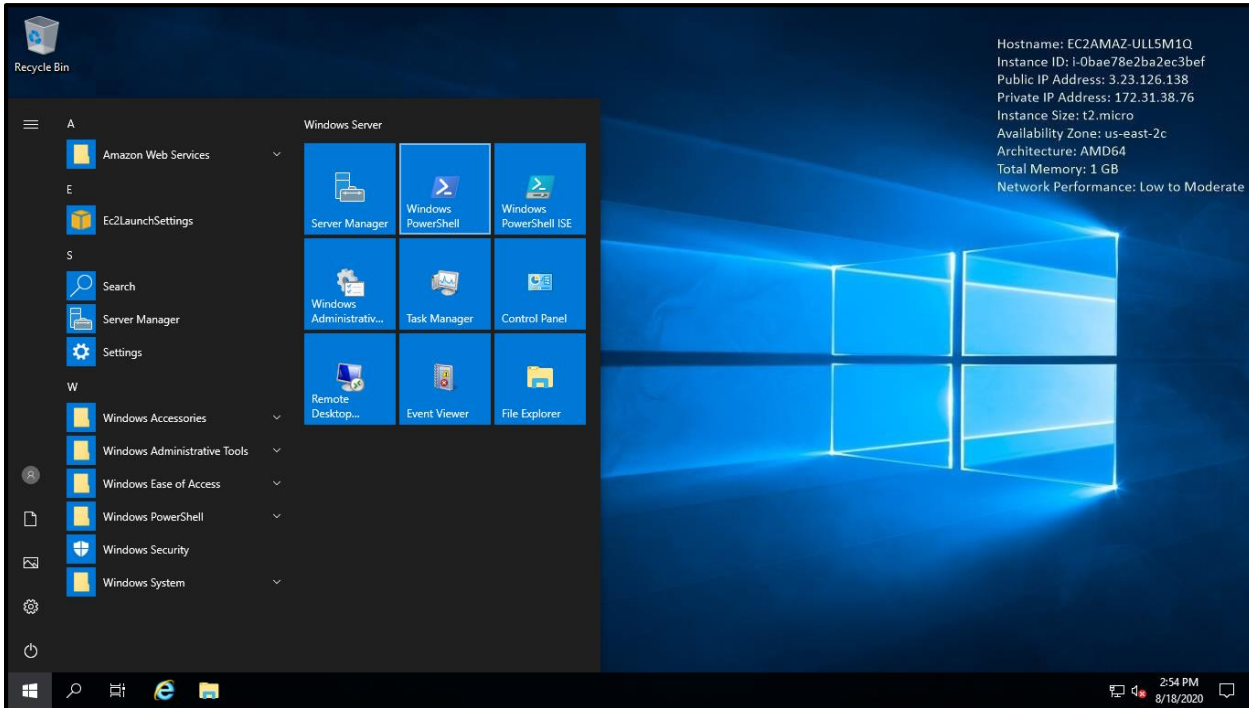


## 27. Windows System Will Open



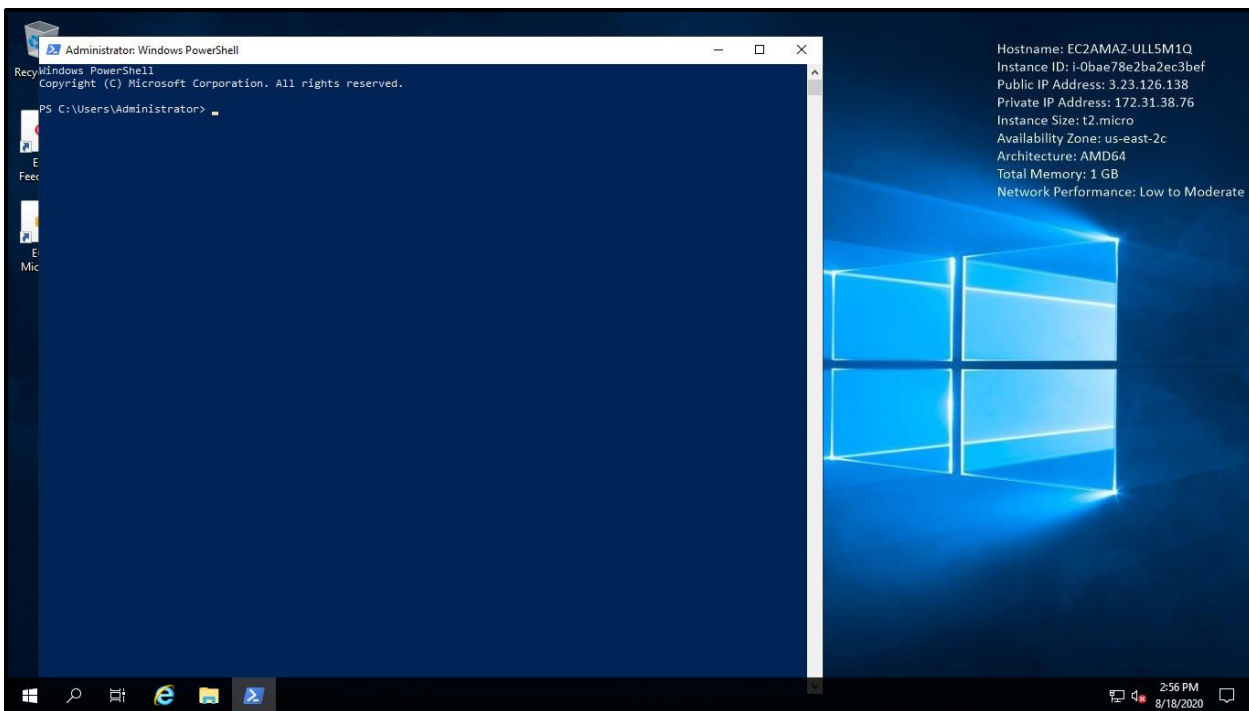


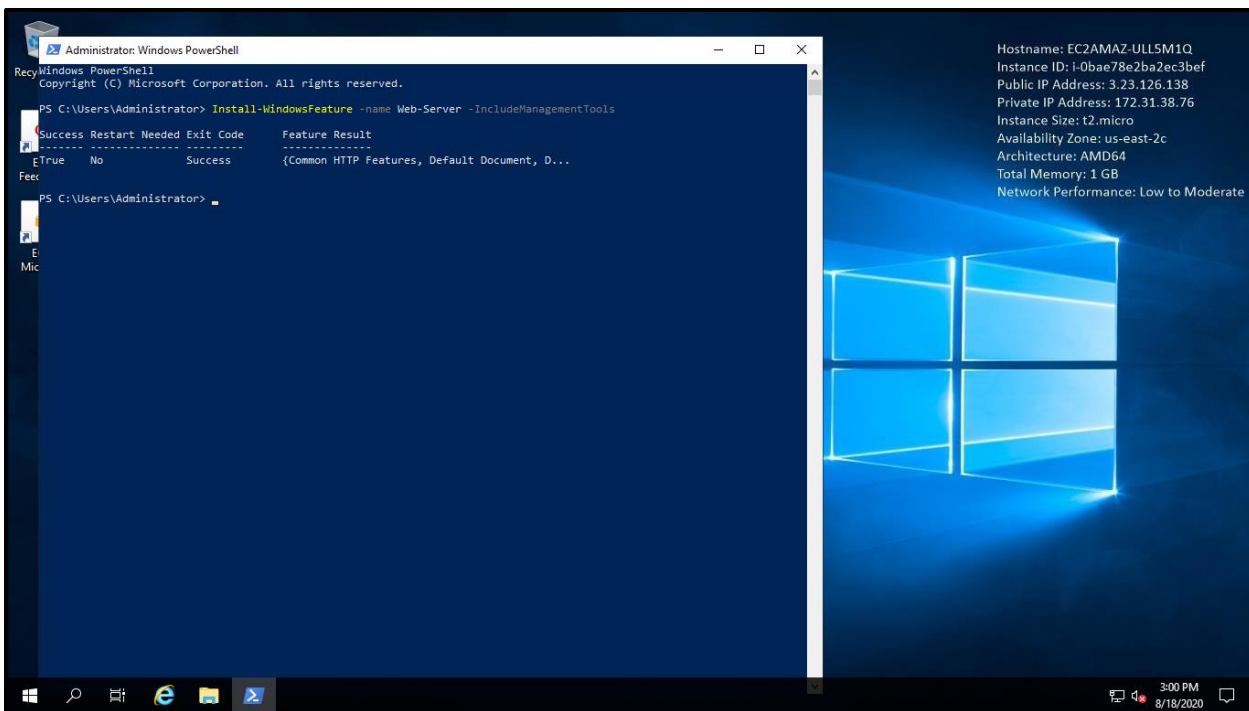
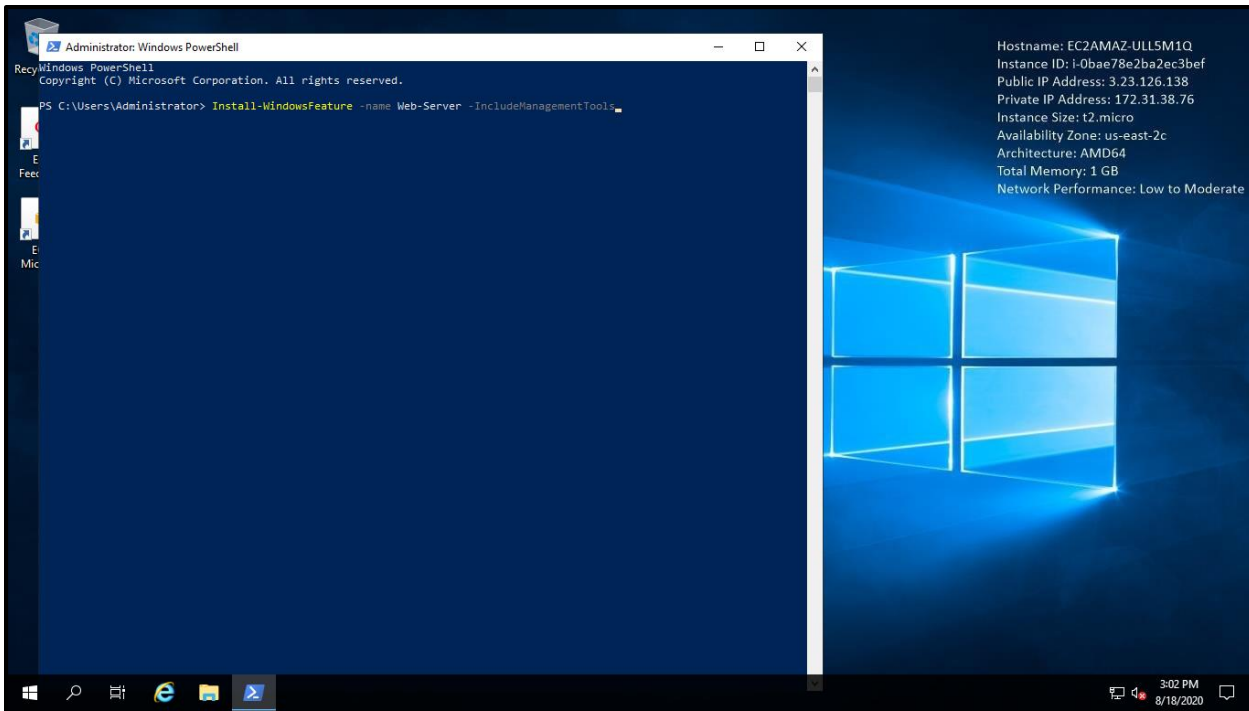
## 28. Click On Windows Symbol And Select Windows Powershell



## 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.

