

DAY-3 ASSIGNMENT

WINDOWS SERVER

STEPS:

1. Open AWS management console

2. Click on ec2

3. On the right sidebar click on instance

Welcome to the new EC2 console! We're redesigning the EC2 console to make it easier to use and improve performance. We'll release new screens periodically. We encourage you to try them and let us know where we can make improvements. To switch between the old console and the new console, use the New EC2 Experience toggle.

Category	Value
Running instances	0
Elastic IPs	0
Dedicated Hosts	0
Snapshots	0
Volumes	0
Load balancers	0
Key pairs	0
Security groups	1
Placement groups	0

Easily size, configure, and deploy Microsoft SQL Server Always On availability groups on AWS using the AWS Launch Wizard for SQL Server. [Learn more](#)

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4. Now click on launch instance

You do not have any running instances in this region.

First time using EC2? Check out the [Getting Started Guide](#).

Click the Launch Instance button to start your own server.

Launch Instance

Select an instance above

https://us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#instances: © 2008 - 2020, Amazon Internet Services Private Ltd. or its affiliates. All rights reserved. Privacy Policy Terms of Use 07:32 PM ENG Tuesday 18-08-2020

5.Select microsoft windows server 2019 base

Screenshot of the AWS Management Console showing the "Choose an Amazon Machine Image (AMI)" step of the Launch Instance Wizard. The search bar shows "Search for an AMI by entering a search term e.g. "Windows"" and the results list includes "Amazon Linux 2 AMI (HVM), SSD Volume Type" and "Amazon Linux AMI 2018.03.0 (HVM), SSD Volume Type".

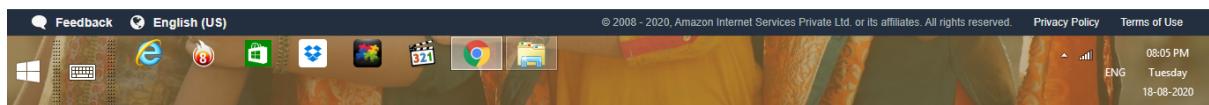


6. Select the general purpose family for free tier

7. Click on configure instance details

Screenshot of the AWS Management Console showing the "Configure Instance Details" step of the Launch Instance Wizard. The "Instance Type" section is selected, showing a table of available instance types. The "t2.micro" instance type is highlighted as "Free tier eligible".

	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 <small>Free tier eligible</small>	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



8.Do changes as shown below and click on next:add storage

Number of instances: 1

Purchasing option: Request Spot instances

Network: vpc-0b1cbf60 (default)

Subnet: No preference (default subnet in any Availability Zone)

Auto-assign Public IP: Enable

Placement group: Add instance to placement group

Capacity Reservation: Open

Domain join directory: No directory

IAM role: None

Buttons: Cancel, Previous, Review and Launch, Next: Add Storage

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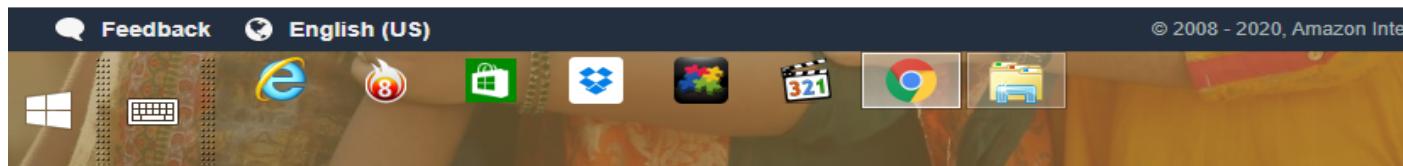
Domain join directory: No directory

IAM role: None

Buttons: Cancel, Previous, Review and Launch, Next: Add Storage

9.No changes are required so click on next:add tags

The screenshot shows the AWS Management Console with the URL us-east-2.console.aws.amazon.com/ec2/v2/home?region=us-east-2#LaunchInstanceWizard. The page is titled "Step 4: Add Storage". The top navigation bar includes tabs for "Services" and "Resource Groups". Below the tabs, there are six steps: 1. Choose AMI, 2. Choose Instance Type, 3. Configure Instance, 4. Add Storage (which is highlighted in orange), 5. Add Tags, and 6. Configure Security Group. The main content area is titled "Step 4: Add Storage" and contains a table for adding storage volumes. The table has columns for Volume Type, Device, Snapshot, Size (GiB), and Volume Type. One row is shown: "Root" (Device: /dev/sda1, Snapshot: snap-0fce5b6ed98763b3e, Size: 30 GiB, Volume Type: General Purpose SSD (gp2)). There is also an "Add New Volume" button. A note below the table states: "Free tier eligible customers can get up to 30 GB of EBS General Purpose (SSD) or Magnetic storage. [Learn more](#) about free usage restrictions."



10.If you want you can add name tag and then click on next:configure security groups

Step 5: Add Tags

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.

Key (128 characters maximum) **Value** (256 characters maximum)

This resource currently has no tags

Choose the Add tag button or [click to add a Name tag](#).
Make sure your [IAM policy](#) includes permissions to create tags.

Add Tag (Up to 50 tags maximum)

Cancel **Previous** **Review and Launch** **Next: Configure Security Group**

11.In the type dropdown change to all traffic and in source select anywhere

12.Click on review and launch

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

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

AMI Details

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

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

Security group name: launch-wizard-1
 Description: launch-wizard-1 created 2020-08-18T20:09:57.029+05:30

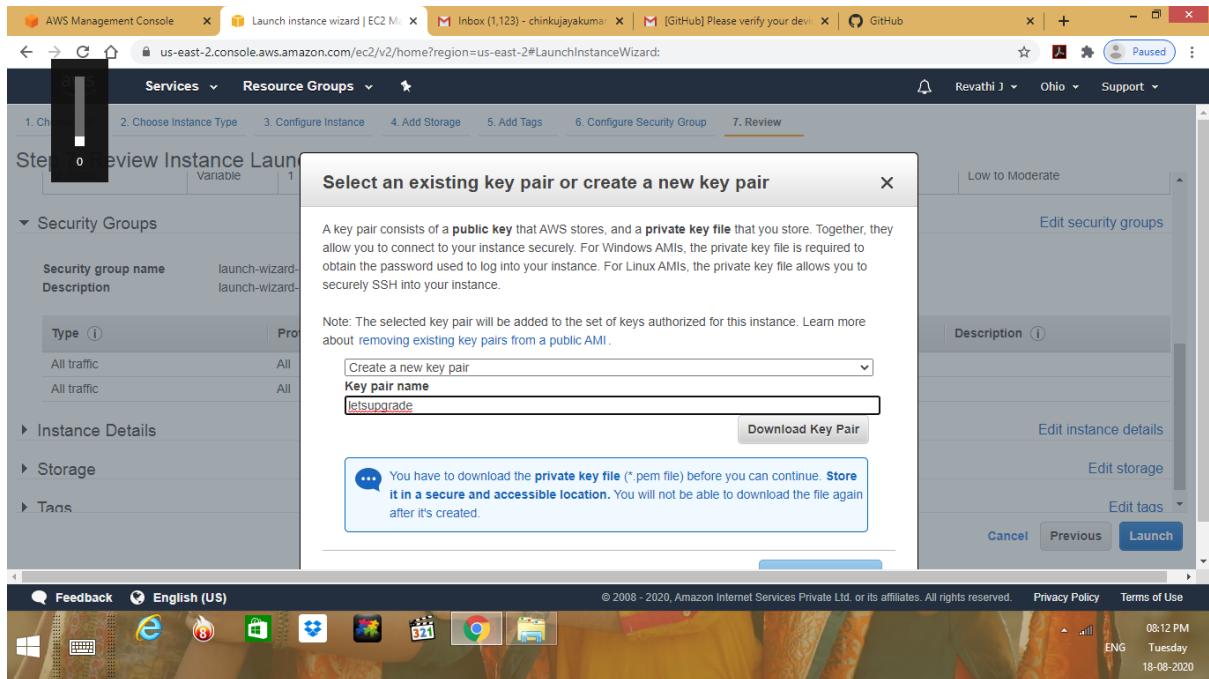
Network Performance: Low to Moderate

Buttons: Cancel, Previous, Launch

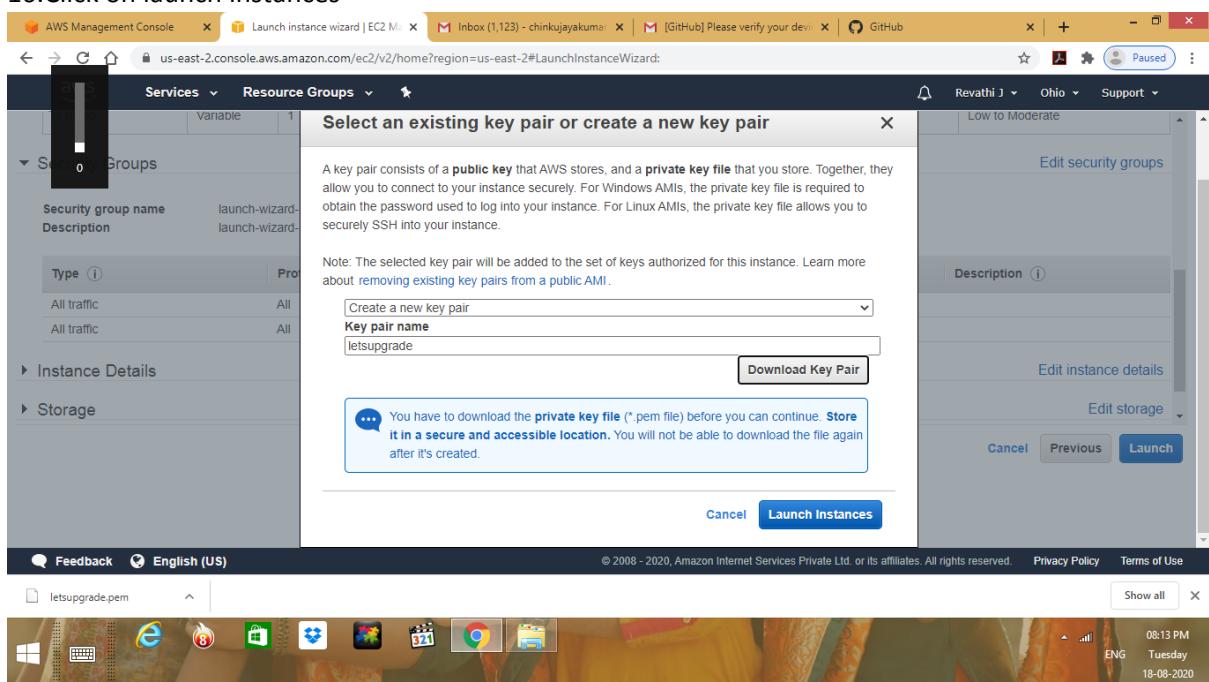
Bottom Screenshot: A screenshot of the Windows desktop environment showing various icons like File Explorer, Task View, and Start.

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

Your instances are now launching
The following instance launches have been initiated: i-0841c1bbff76c9c49 View launch log

Get notified of estimated charges
Create billing alerts to get an email notification when estimated charges on your AWS bill exceed an amount you define (for example, if you exceed the free usage tier).

How to connect to your instances
Your instances are launching, and it may take a few minutes until they are in the **running** state, when they will be ready for you to use. Usage hours on your new instances will start immediately and continue to accrue until you stop or terminate your instances.
Click [View Instances](#) to monitor your instances' status. Once your instances are in the **running** state, you can [connect](#) to them from the Instances screen. [Find out](#) how to connect to your instances.

Here are some helpful resources to get you started

- How to connect to your Windows instance
- Amazon EC2: User Guide

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18.You can see the instance initializing ,let it complete initialization

19.Then click on connect button or go to actions and click coonect 22

Instances | EC2 Management Con... | Inbox (1,123) - chinkujayakuma | [GitHub] Please verify your dev... | GitHub

Launch Instance Connect Actions

search : i-0841c1bbff76c9c49 Add filter

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)
i-0841c1bbff76c9c49	t2.micro	us-east-2c	running	2/2 checks ...	None		ec2-18-223-118-116.us...

Instance: i-0841c1bbff76c9c49 Public DNS: ec2-18-223-118-116.us-east-2.compute.amazonaws.com

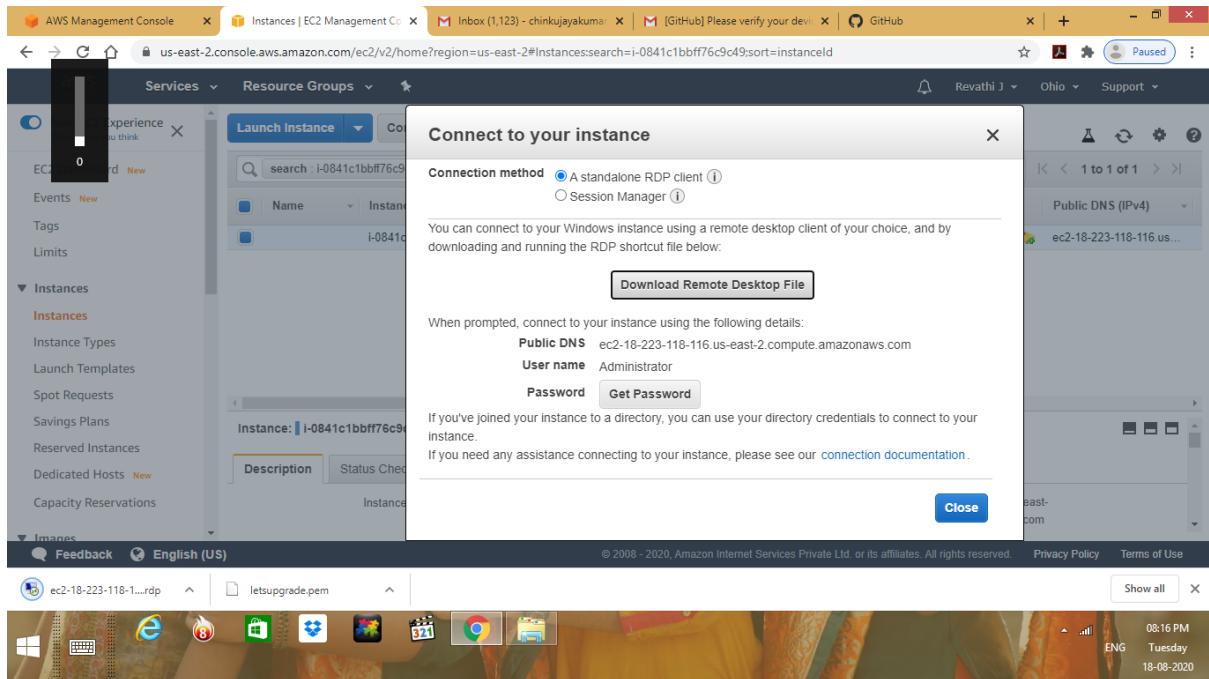
Description Status Checks Monitoring Tags

Instance ID: i-0841c1bbff76c9c49 Public DNS (IPv4): ec2-18-223-118-116.us-east-2.compute.amazonaws.com

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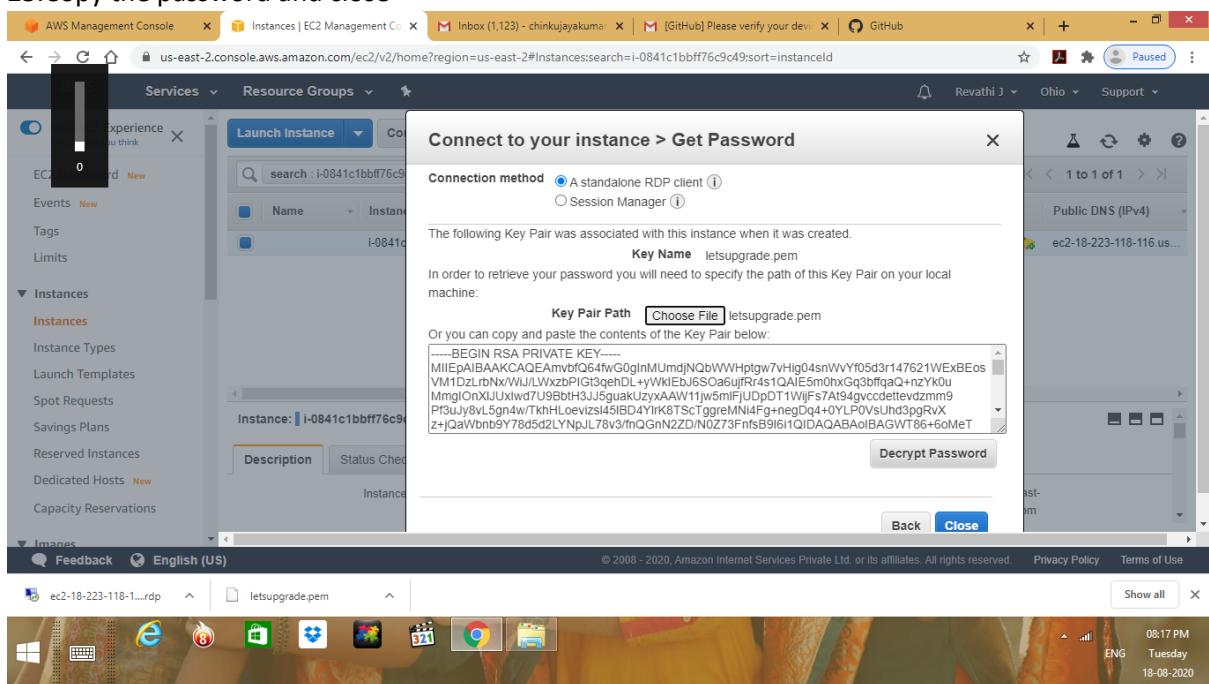
20.Download remote desktop file

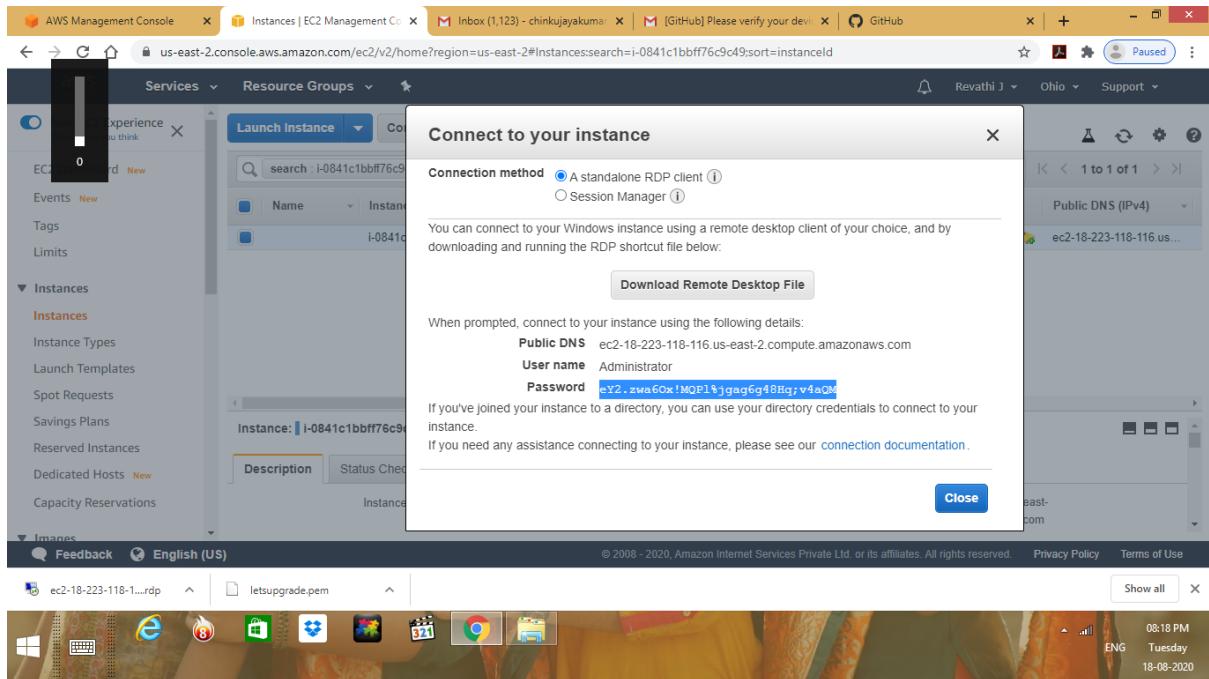
21.Click on get password



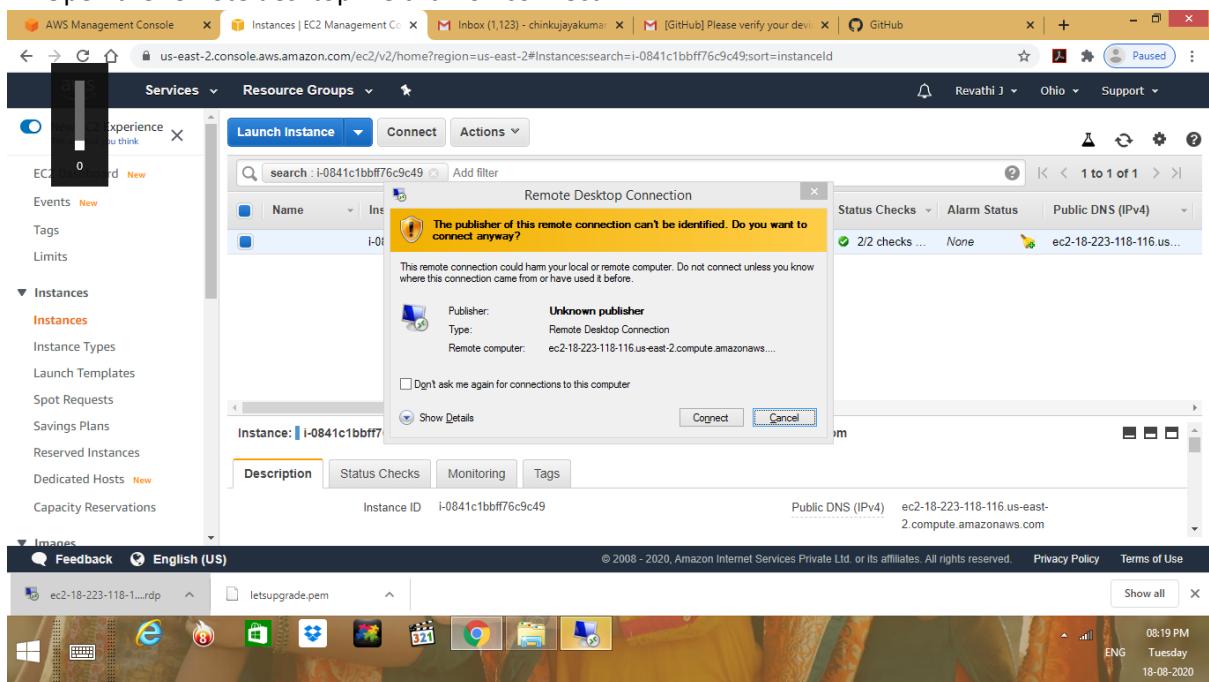
22. Choose the downloaded.Pem file and click on decrypt password

23. Copy the password and close

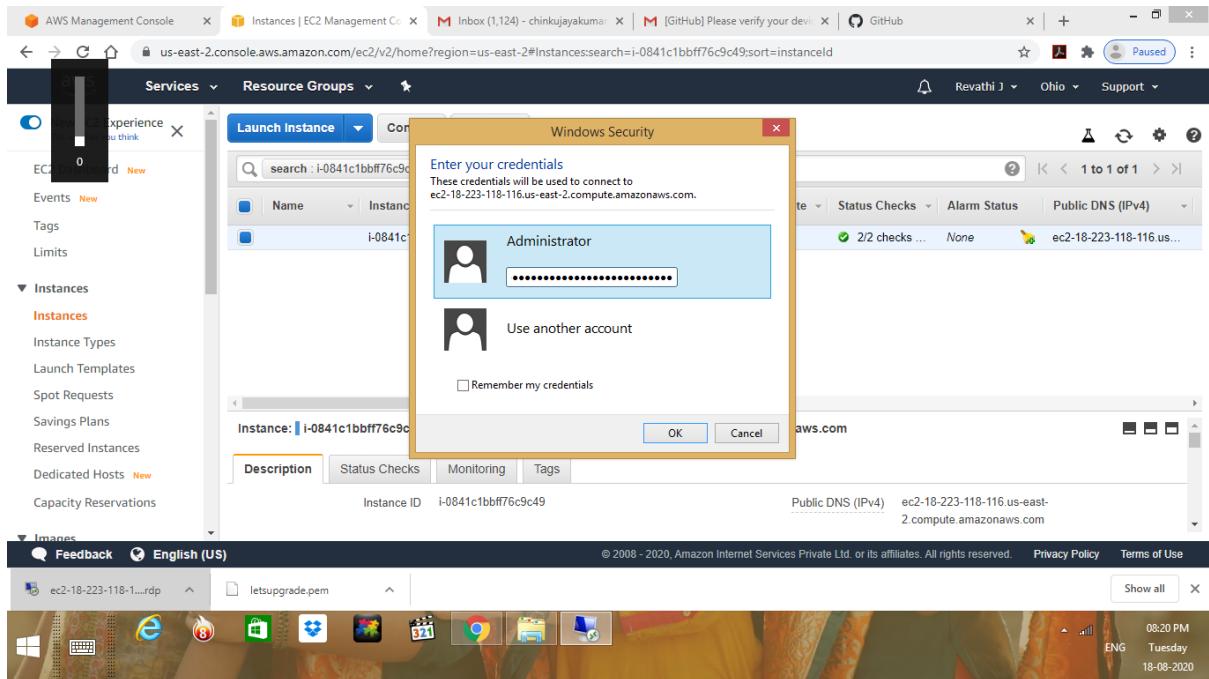




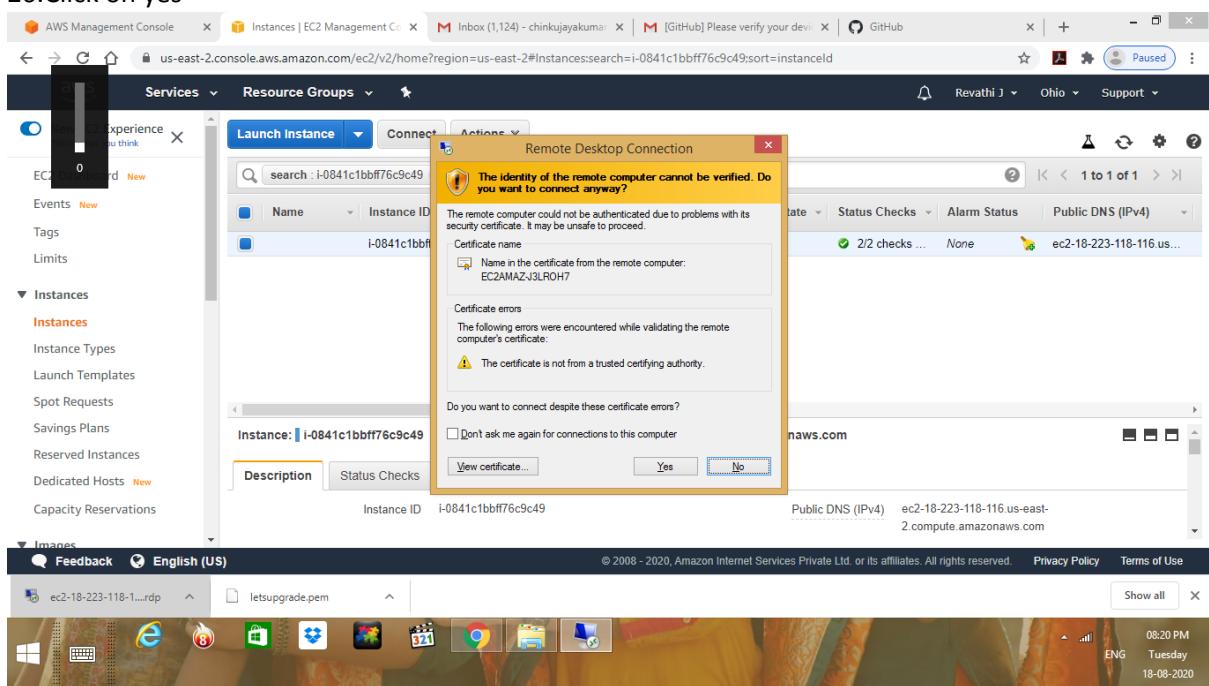
24. Open the remote desktop file click on connect



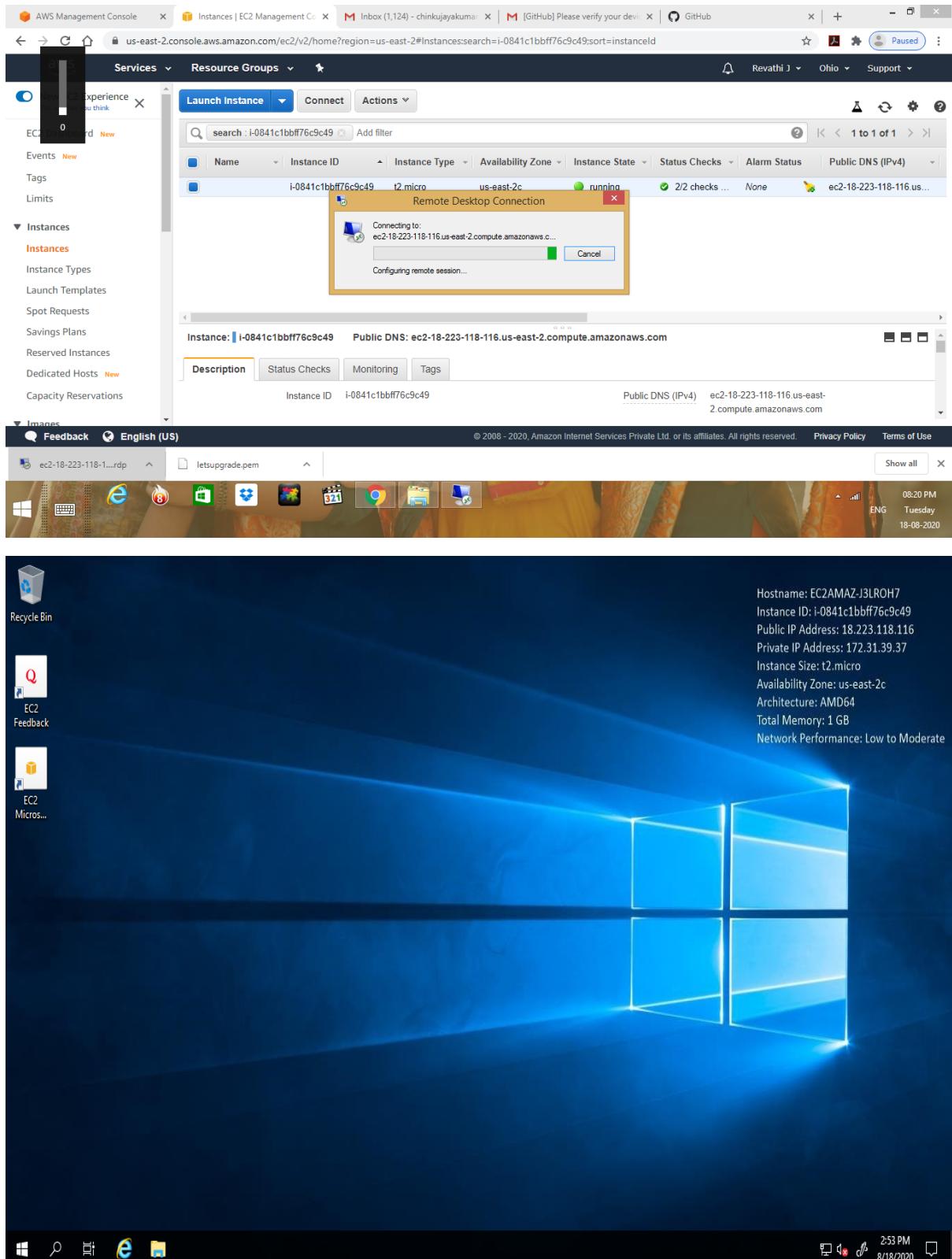
25. Paste the password and click on ok



26.Click on yes



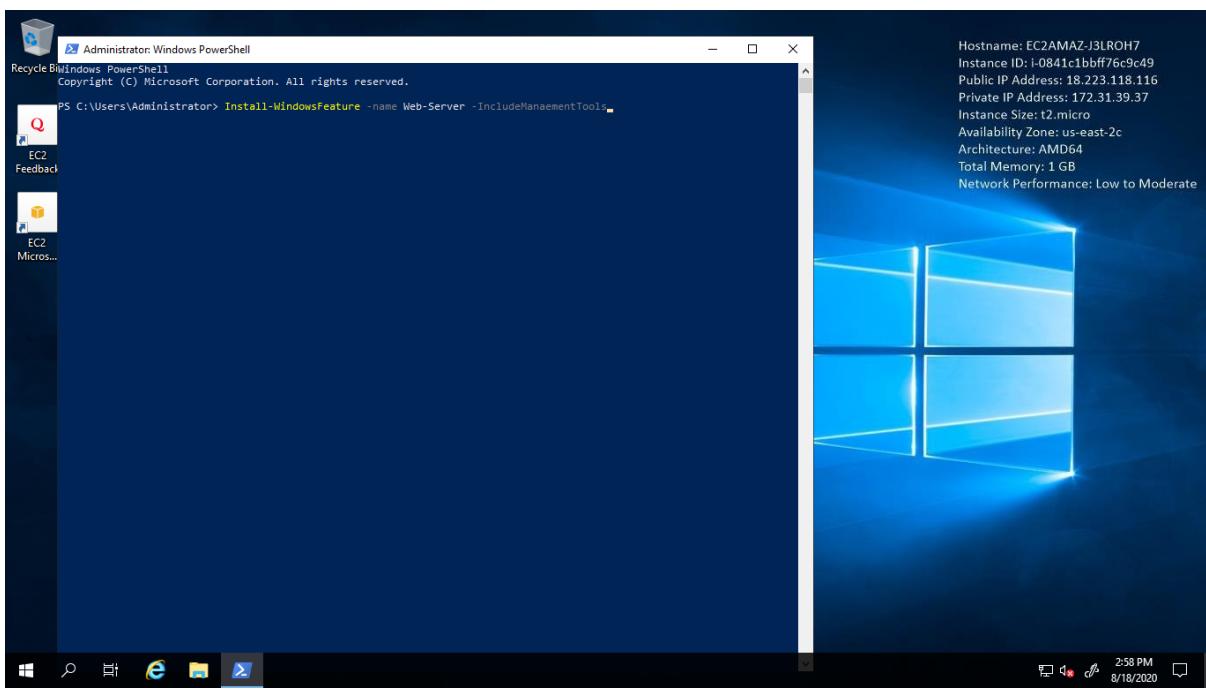
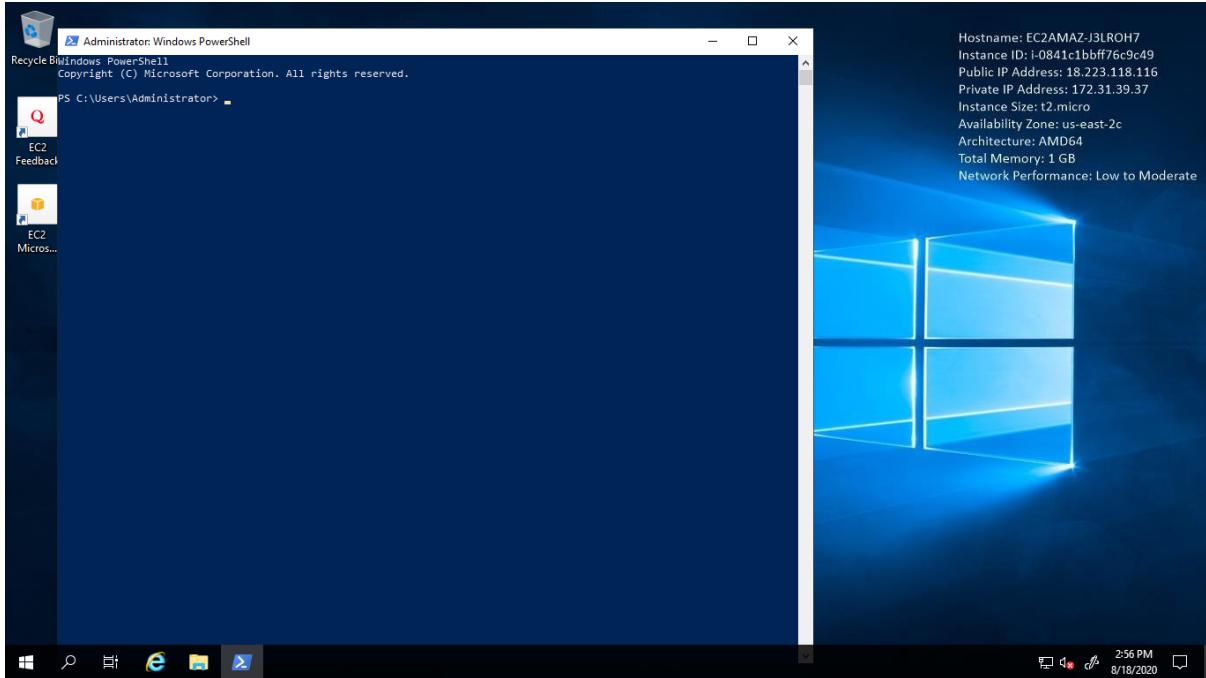
27.window system will open

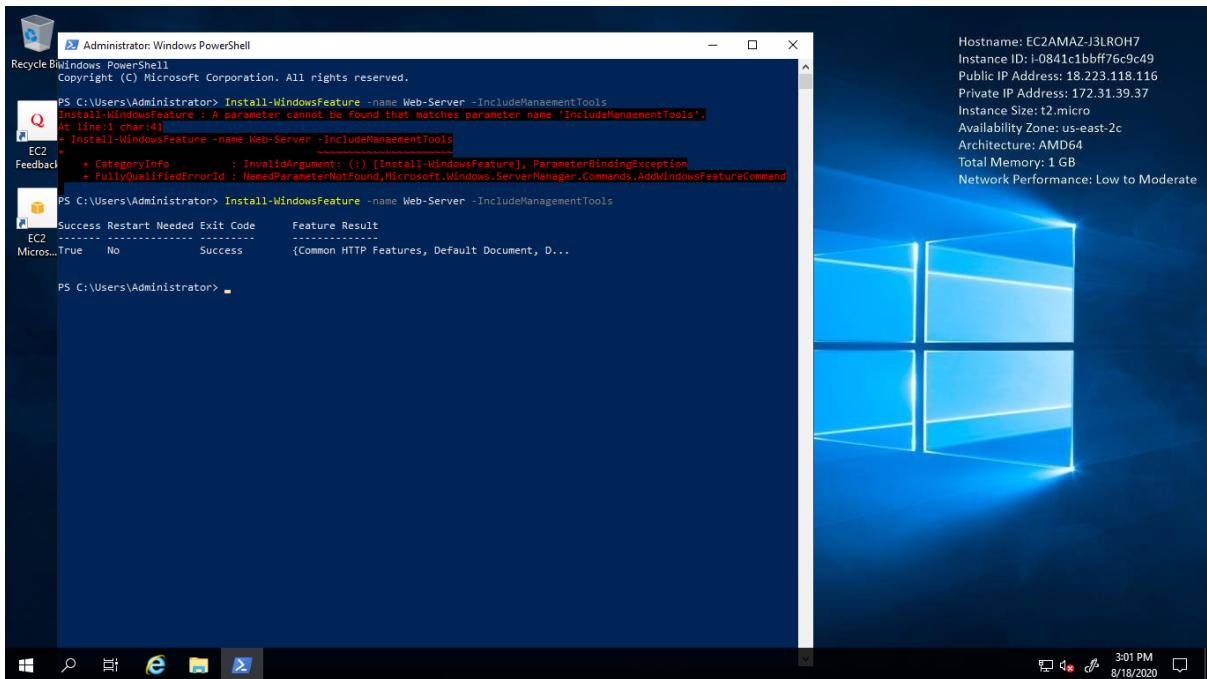


28.Click on window symbol and select windows powershell

29.Write the following code

30. Install-WindowsFeature –name Web-Server –IncludeManagementTool





31.After loading is fully completed go to management console

32.Copy the Ipv4 address and paste on new tab

33.You can see window server there

