

# SOLUTIONS ARCHITECTING ON CLOUD

## (20CS3235AA)

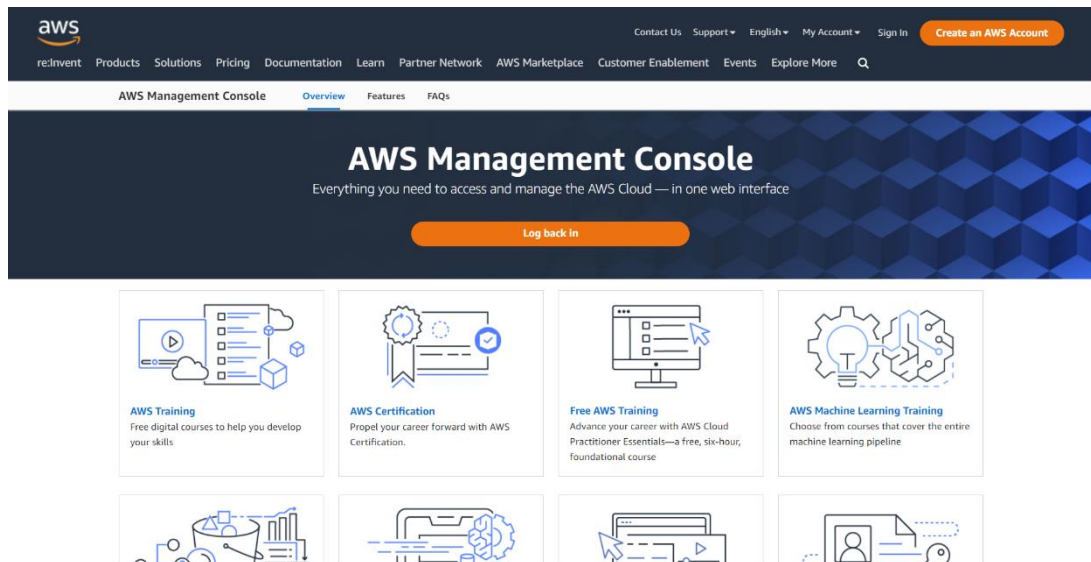
### Labs-2

Name: K. VENKATA SREE SAI

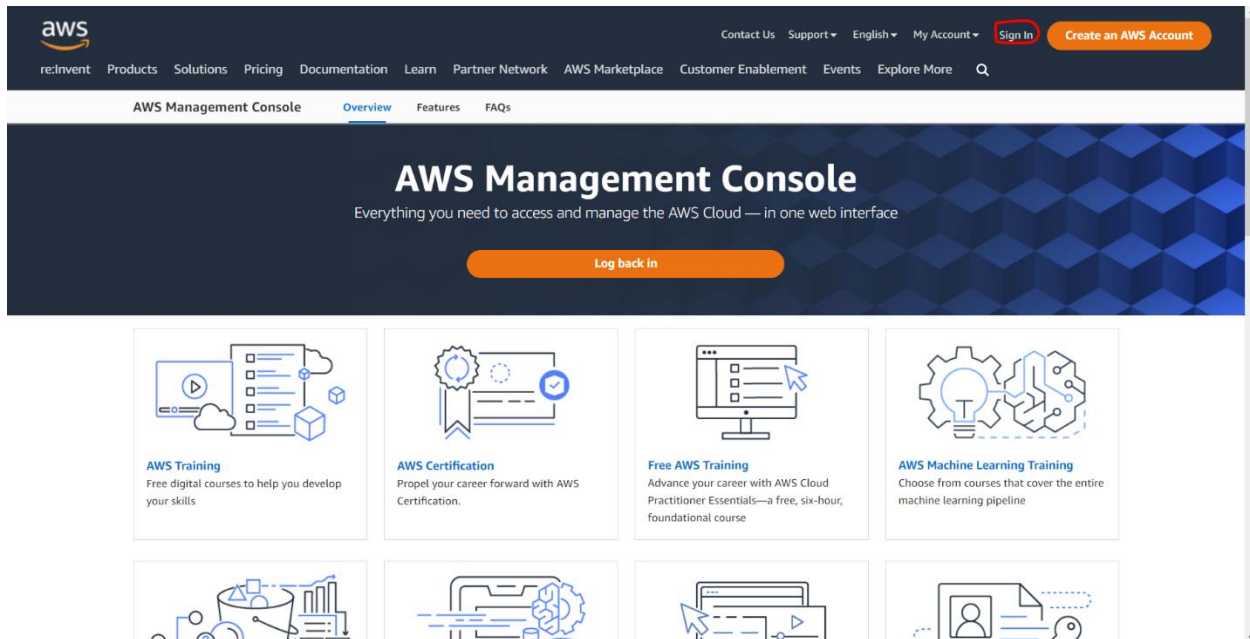
ID:2000030439

Launch windows instance and install IIS server.

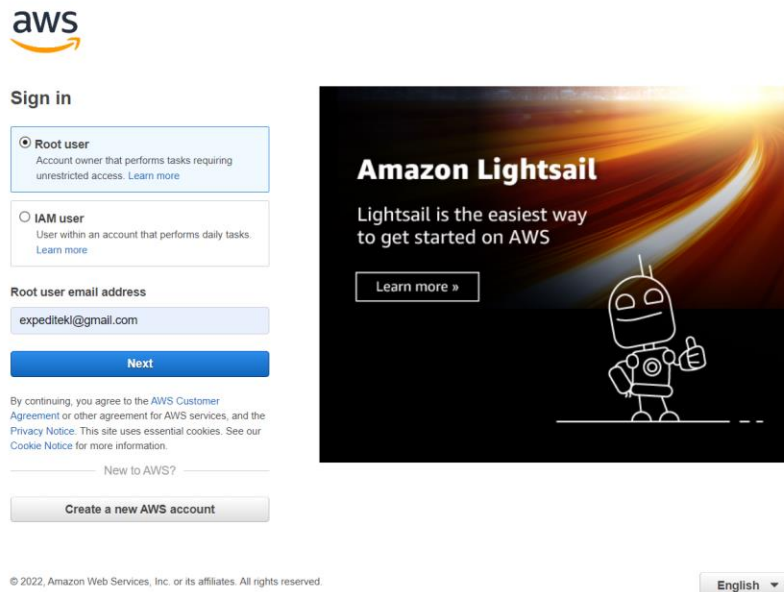
Step-1: Go to Google Browser and type [AWS \(Amazon Web Services\) Management Console](https://aws.amazon.com/console/).



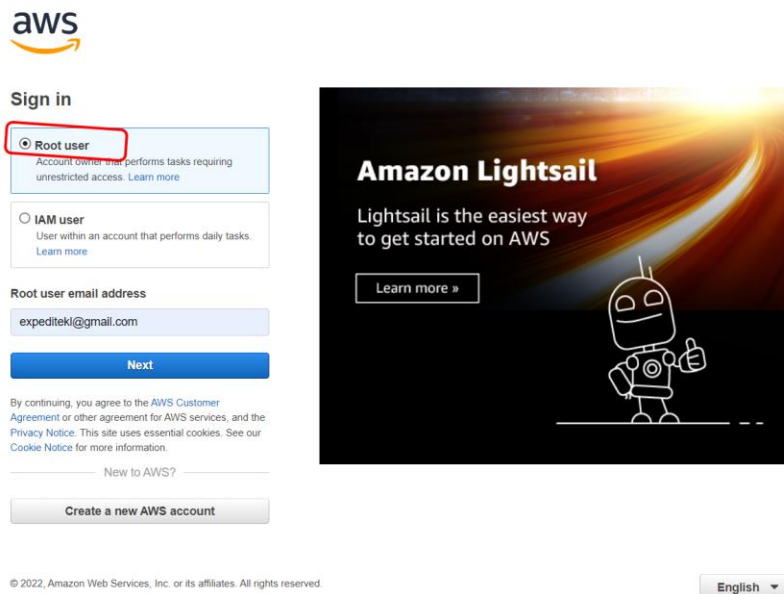
Step-2: After That If you having an account in [Aws management console](#) then click on [Sign-in](#) option.



Step-3: After it will redirect to [aws sign-in](#) portal.



## Step-4: Sign-in with your root account only



The image shows the AWS sign-in page. On the left, the 'Sign in' section has two options: 'Root user' (selected with a red box) and 'IAM user'. Below these is a text field for the 'Root user email address' containing 'expeditekl@gmail.com' and a blue 'Next' button. At the bottom of the sign-in section are links for 'New to AWS?' and 'Create a new AWS account'. On the right, there is a large banner for 'Amazon Lightsail' with the text 'Lightsail is the easiest way to get started on AWS' and a 'Learn more »' button. The banner features a stylized robot character.

aws

Sign in

☒ Root user  
Account owner who performs tasks requiring unrestricted access. [Learn more](#)

☐ IAM user  
User within an account that performs daily tasks. [Learn more](#)

Root user email address

expeditekl@gmail.com

Next

By continuing, you agree to the [AWS Customer Agreement](#) or other agreement for AWS services, and the [Privacy Notice](#). This site uses essential cookies. See our [Cookie Notice](#) for more information.

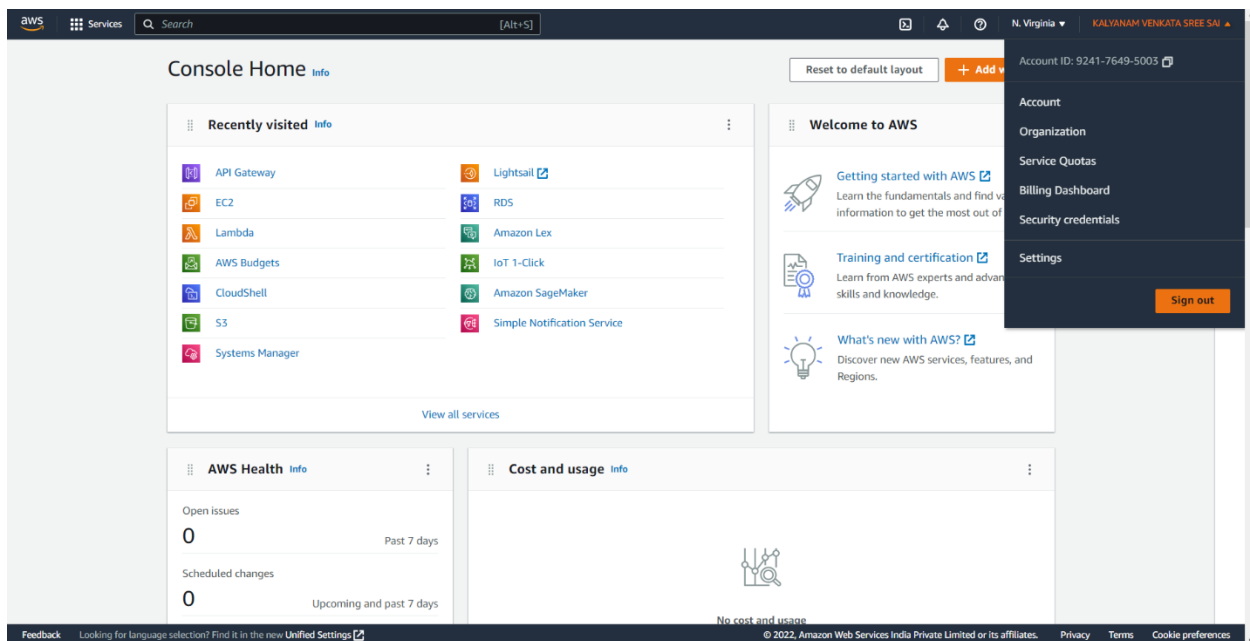
New to AWS?

Create a new AWS account

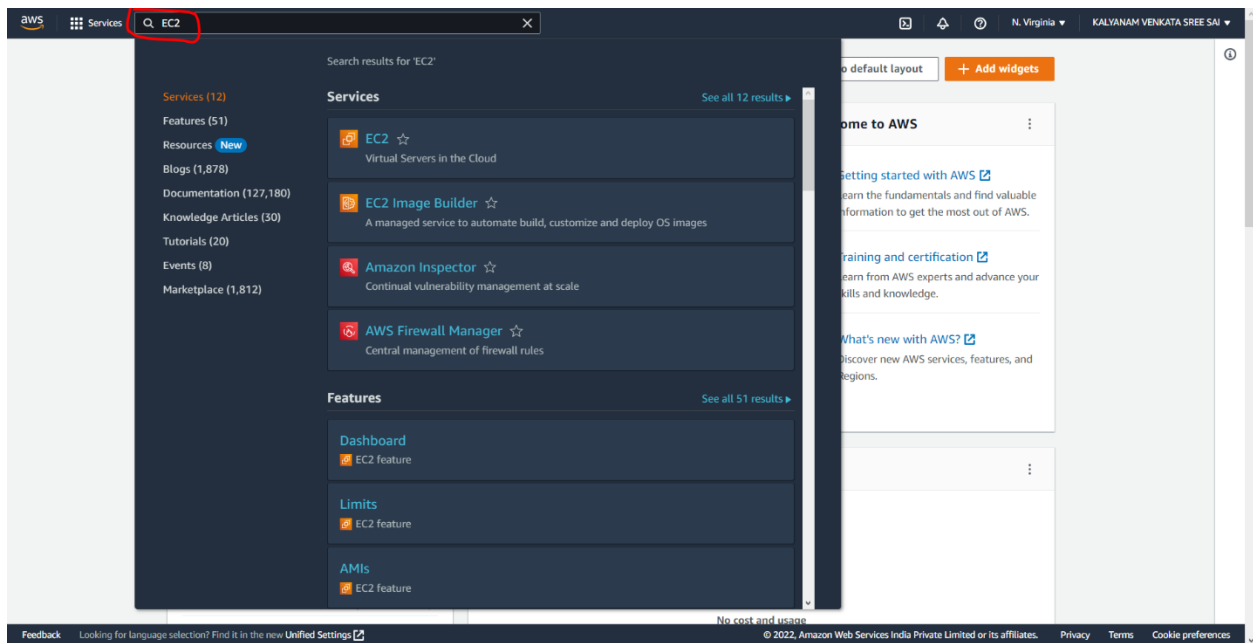
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English

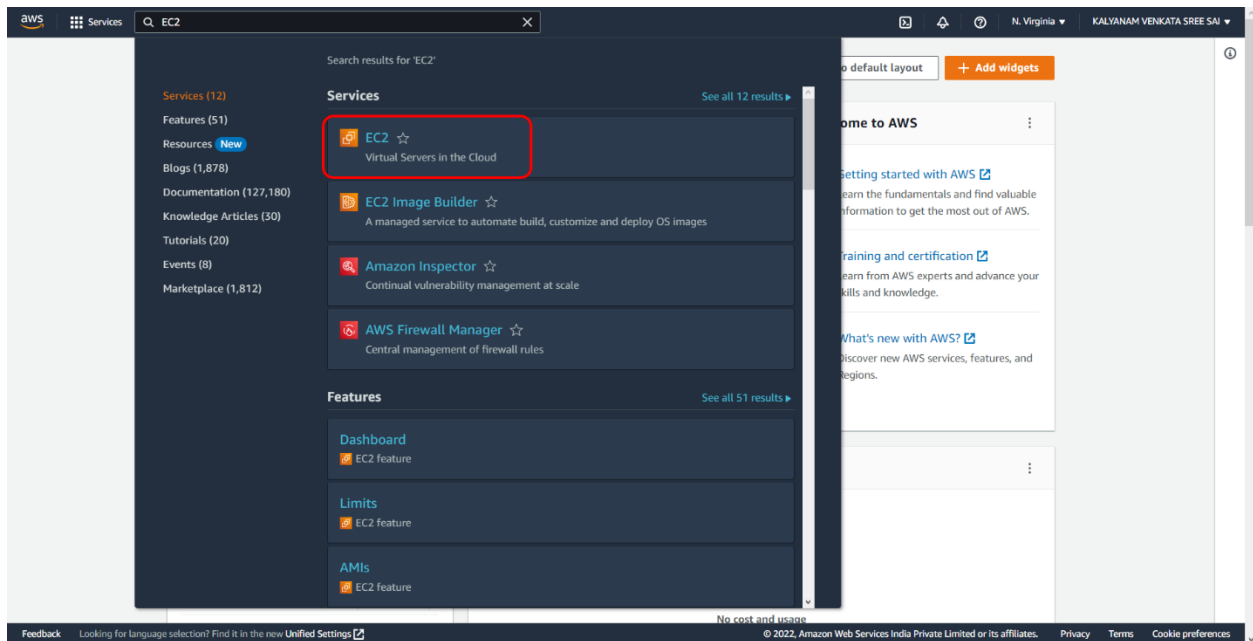
## Step-5: After Sign-in the aws management console look like the below image.



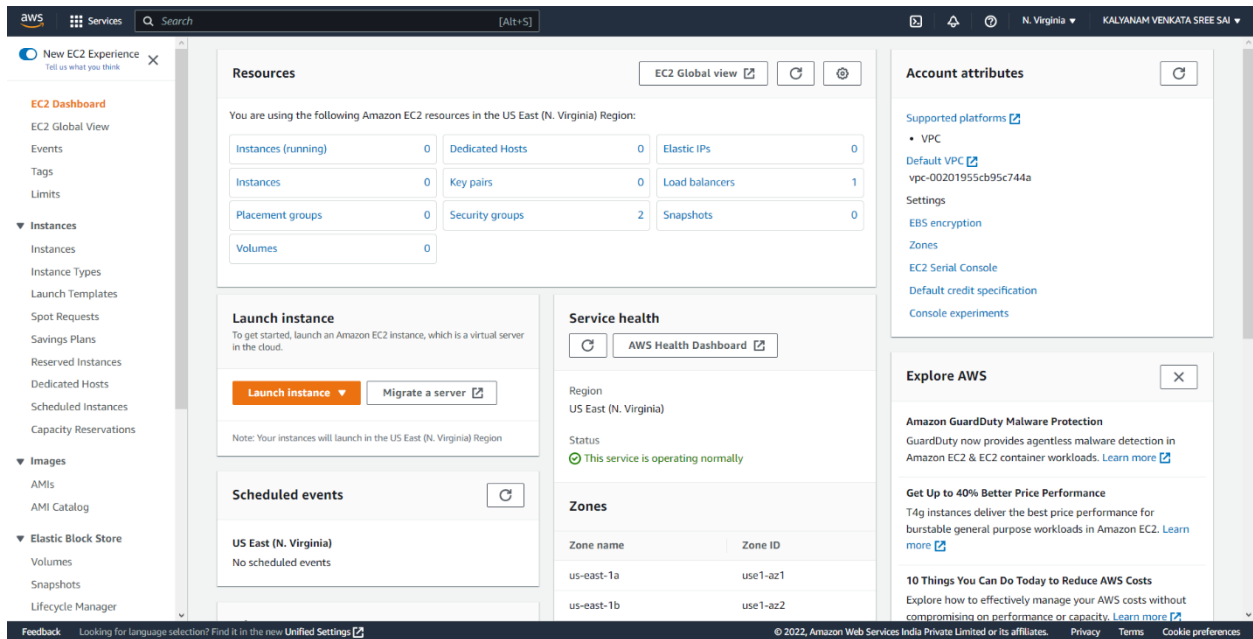
Step-6: Go through the search bar and type “EC2”.



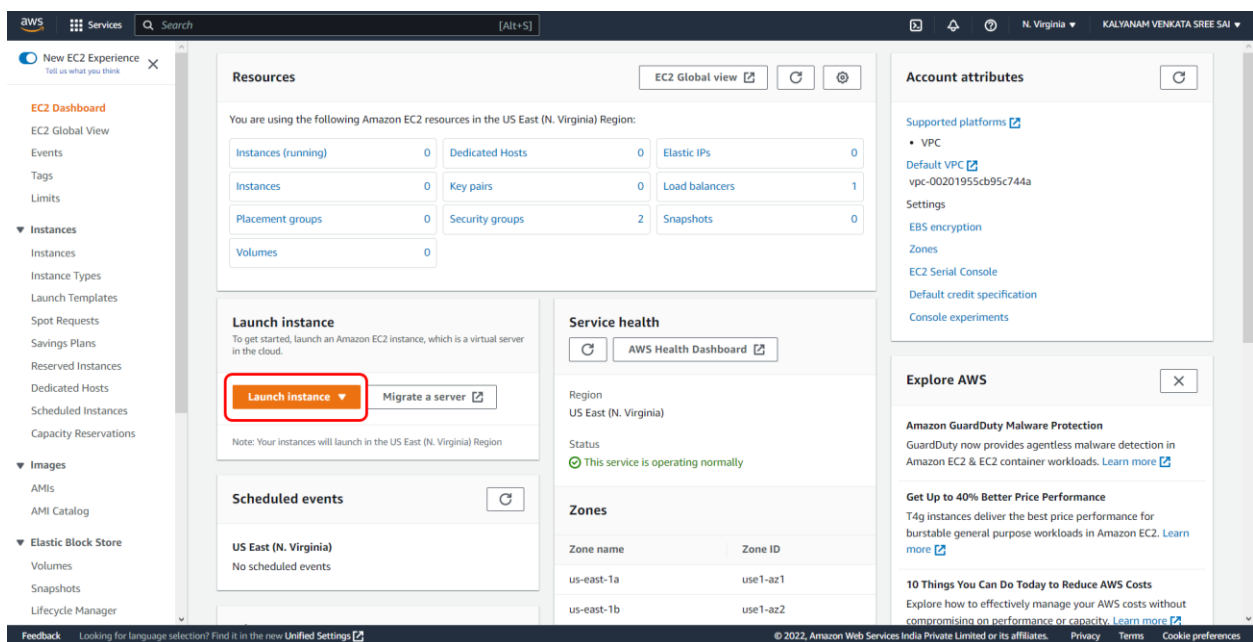
Step-7: Select the First service from the listed below.



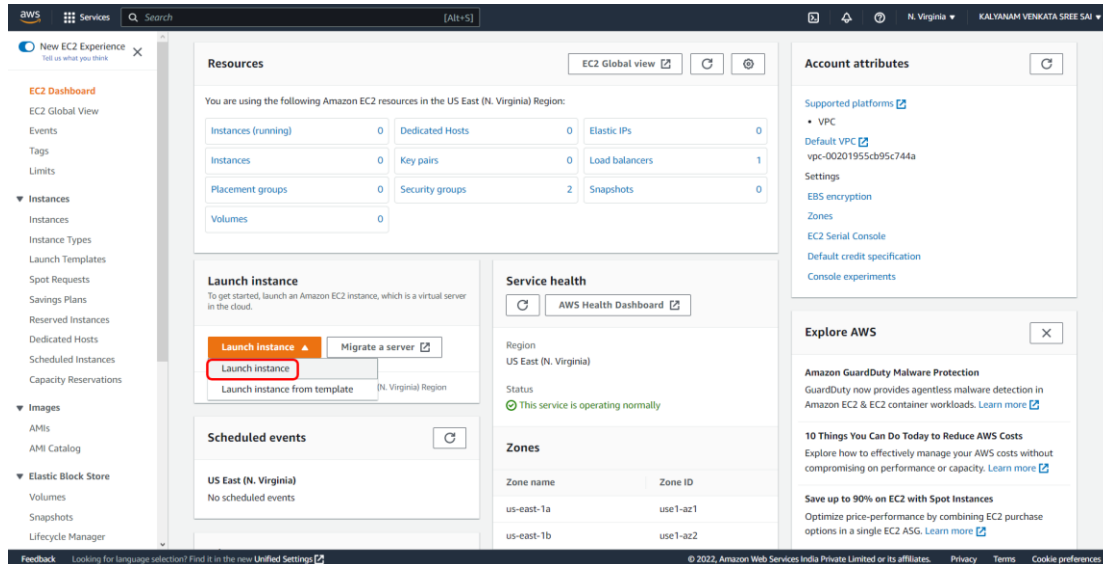
Step-8: After clicking the First Service The console will look like.



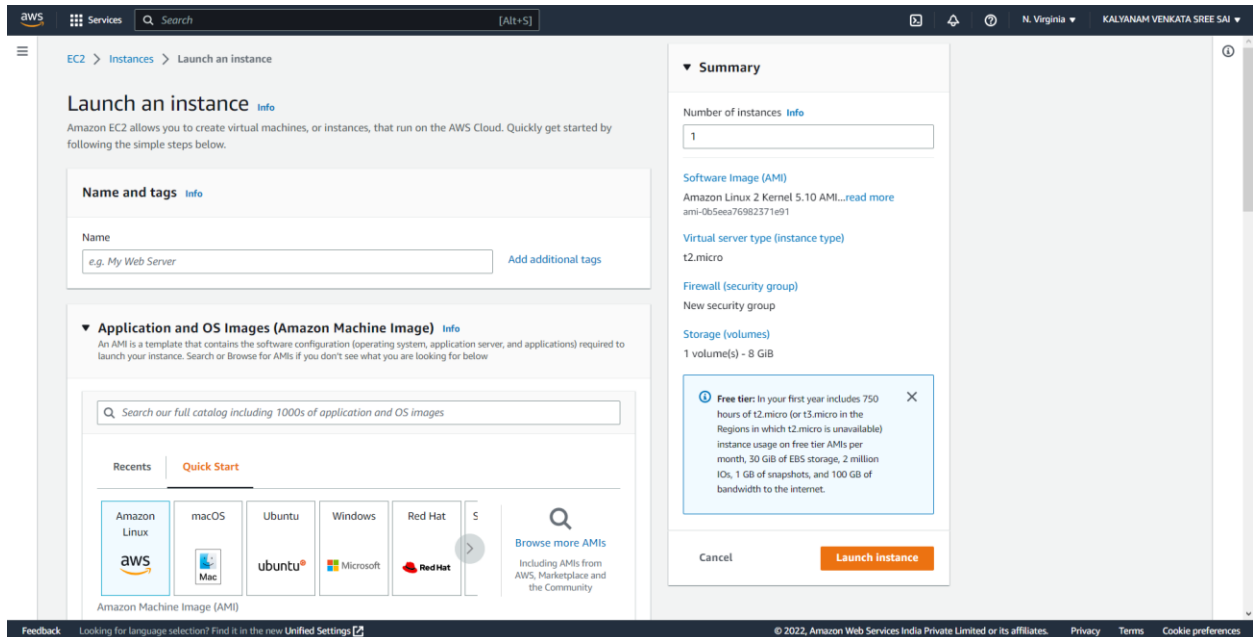
Step-9: Click on the “Launch Instance” in the EC2 console.



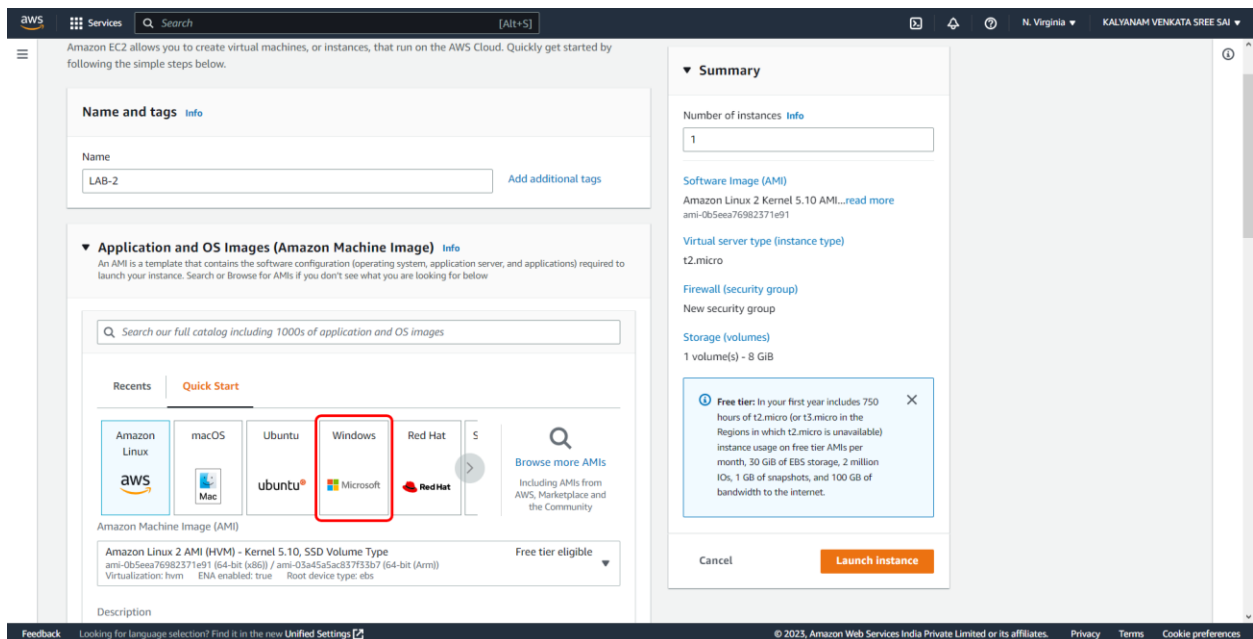
Step-10: Click on the “Launch Instance” from the drop-down menu.



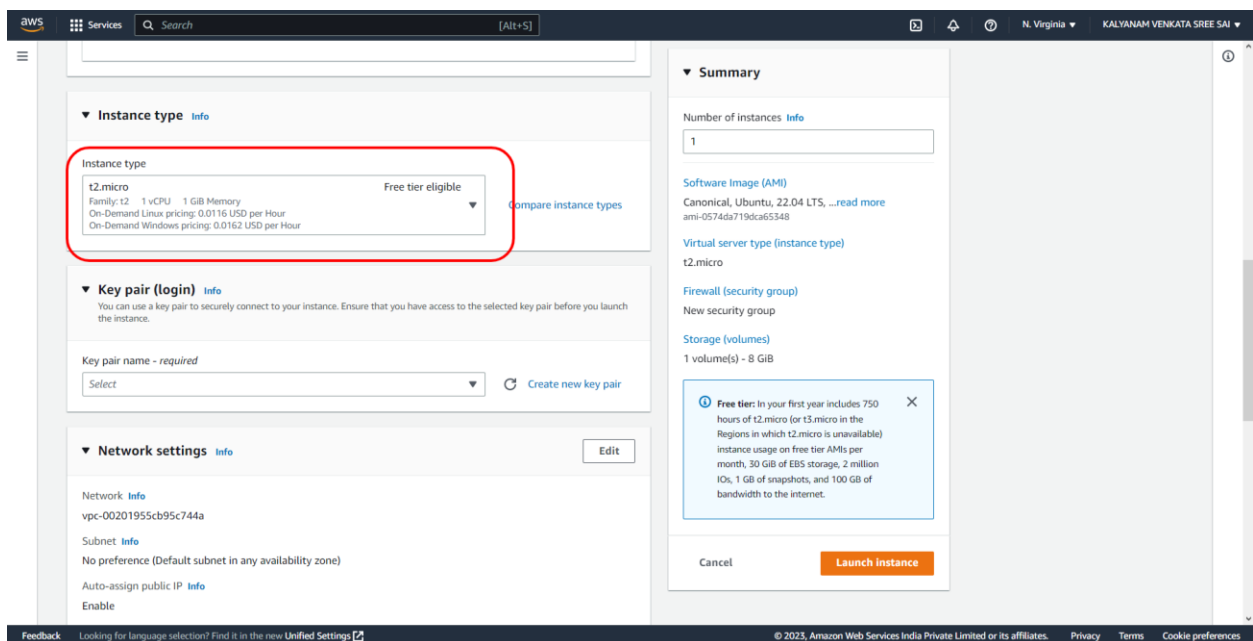
Step-11: After Clicking on the Launch Instance, it will look like.



## Step-12: In the AMI Section Select the “Windows”.



## Step-13: After select, The Instance Type “t2. micro” which is under free tier eligible.



## Step-14: Use the existing key pair for creating The “Windows Ec2 Instance” to connecting “RDP”.

**Instance type** Info

Instance type: t2.micro (Family: t2, 1 vCPU, 1 GiB Memory) Free tier eligible. Compare instance types

**Key pair (login)** Info

You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.

Key pair name - required: key-pair-lab01. Create new key pair

**Network settings** Info

Network: vpc-00201955cb95c744a

Subnet: No preference (Default subnet in any availability zone)

Auto-assign public IP

**Summary**

Number of instances: 1

Software Image (AMI): Microsoft Windows Server 2022 ...read more

Virtual server type (instance type): t2.micro

Firewall (security group): New security group

Storage (volumes): 1 volume(s) - 30 GiB

Free tier: In your first year includes 750 hours of t2.micro (or t3.micro in the Regions in which t2.micro is unavailable) instance usage on free tier AMIs per month, 30 GiB of EBS storage, 2 million I/Os, 1 GiB of snapshots, and 100 GiB of bandwidth to the internet.

Cancel Launch instance

## Step-15: After that Launch Then launch the instance.

**Security group rule 3 (TCP, 80, 0.0.0.0/0)**

Type: HTTP, Protocol: TCP, Port range: 80

Source type: Anywhere, Source: 0.0.0.0/0, Description: e.g. SSH for admin desktop

Add security group rule

**Configure storage** Info

1x 8 GiB gp2 Root volume (Not encrypted)

Free tier eligible customers can get up to 30 GiB of EBS General Purpose (SSD) or Magnetic storage

Add new volume

0 x File systems

**Summary**

Number of instances: 1

Software Image (AMI): Amazon Linux 2 Kernel 5.10 AMI...read more

Virtual server type (instance type): t2.micro

Firewall (security group): New security group

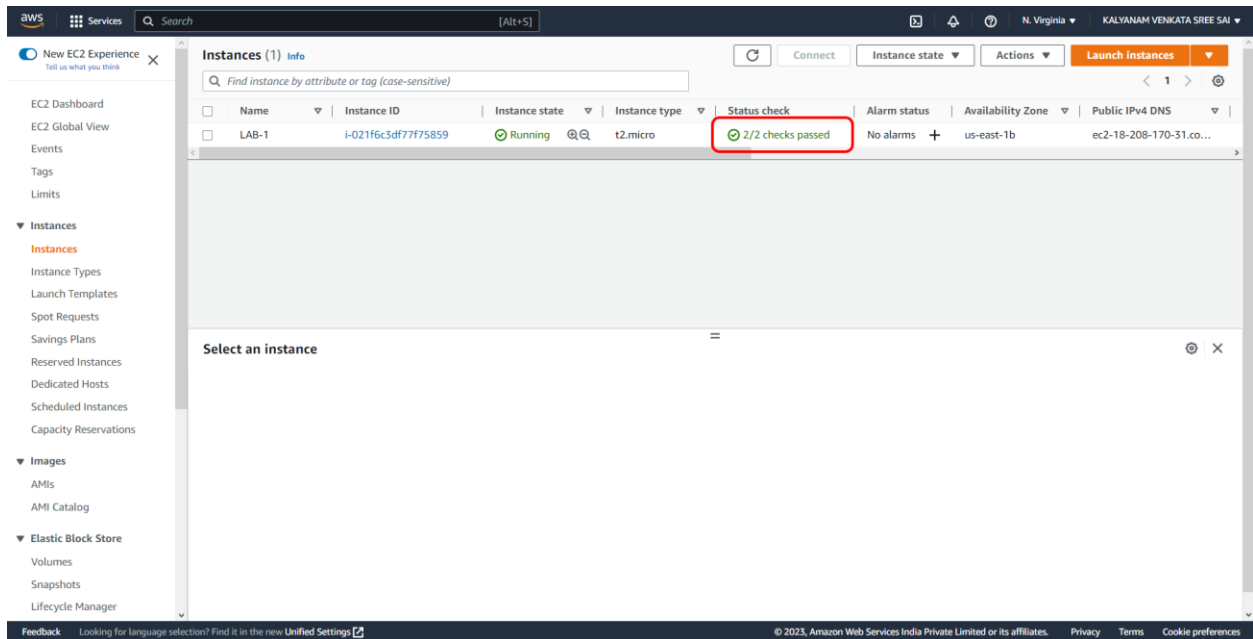
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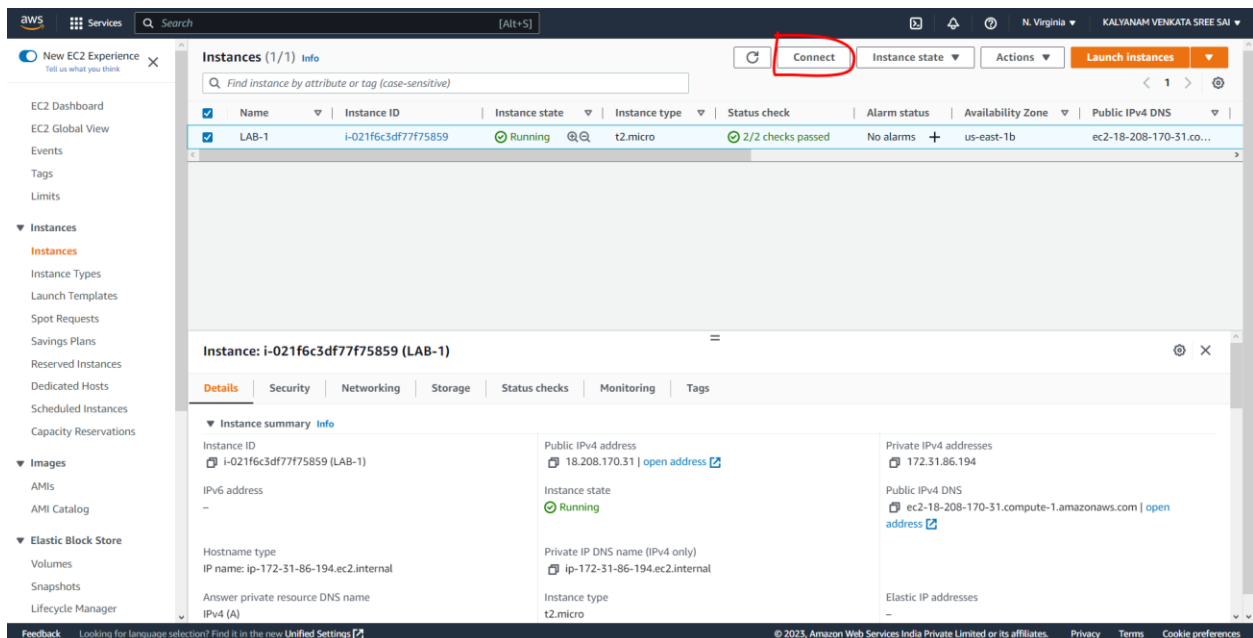
Cancel Launch instance



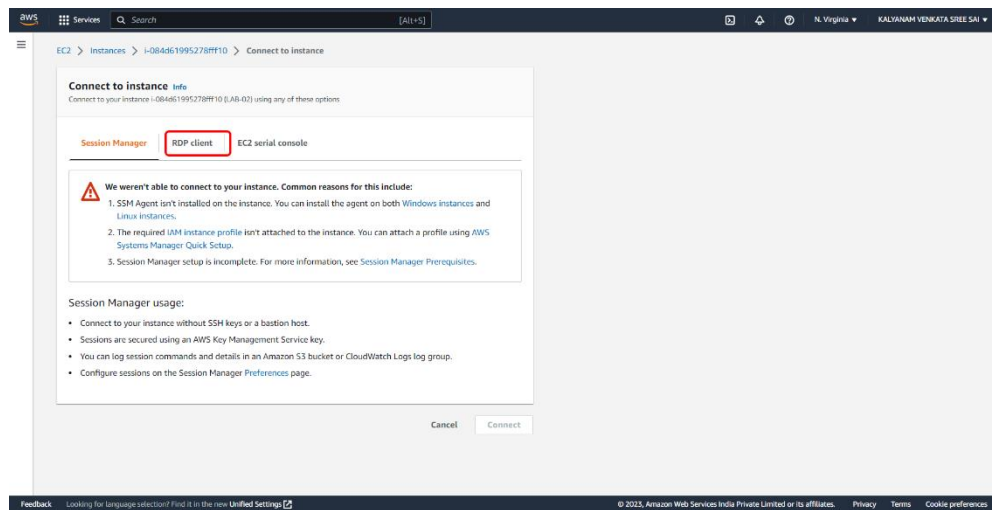
## Step-16: Before Launch, the “RDP” Check the Instance Status IS “2/2 Passed”.



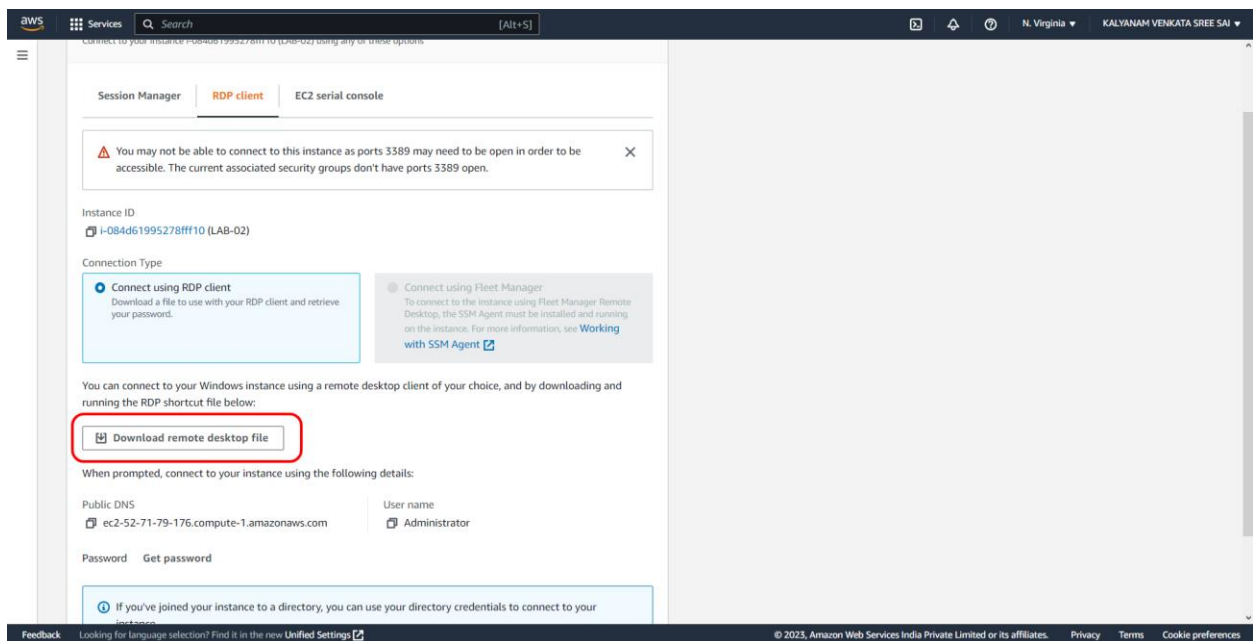
## Step-17: After That Connect the Instance



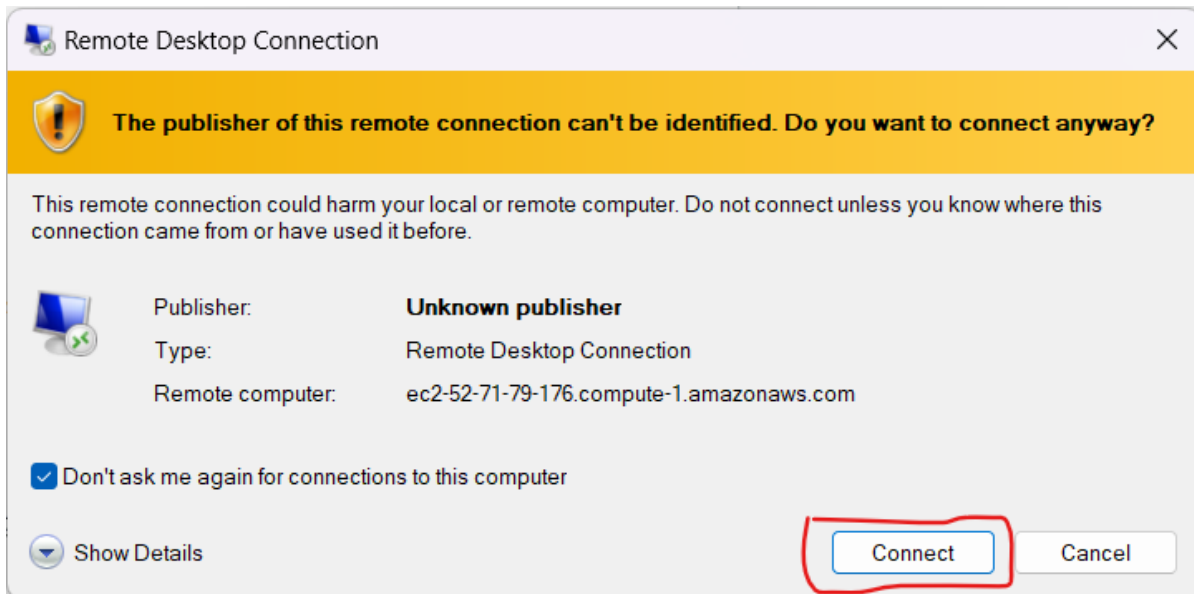
## Step-18: Go to the “RDP Client”



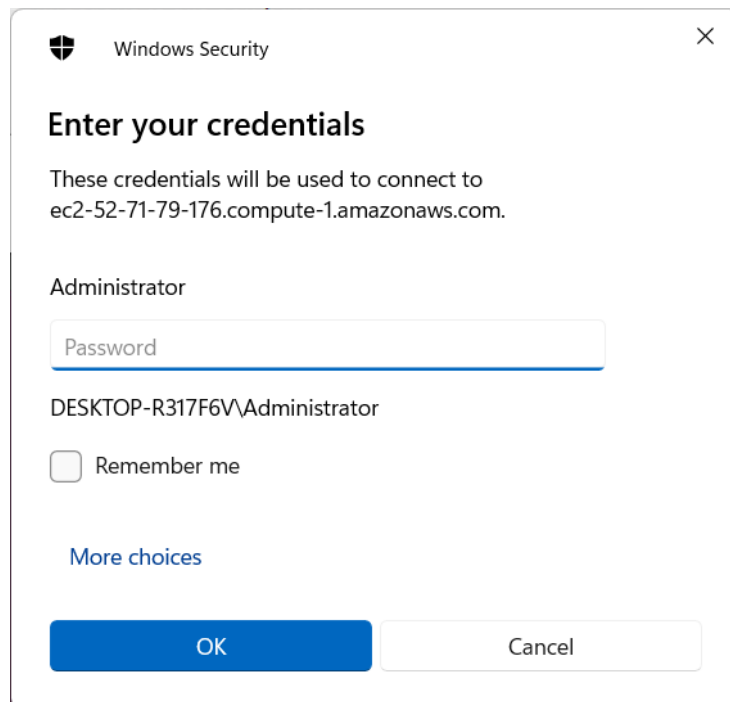
## Step-19: Download the Remote desktop file.



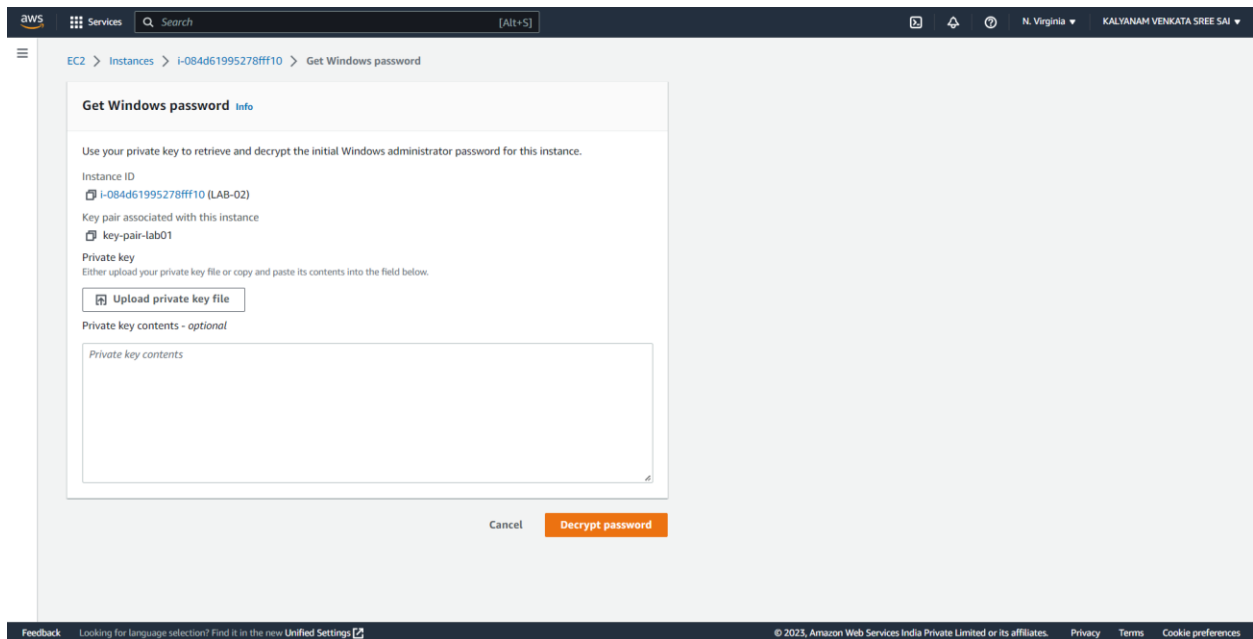
Step-20: After that open the downloaded file .



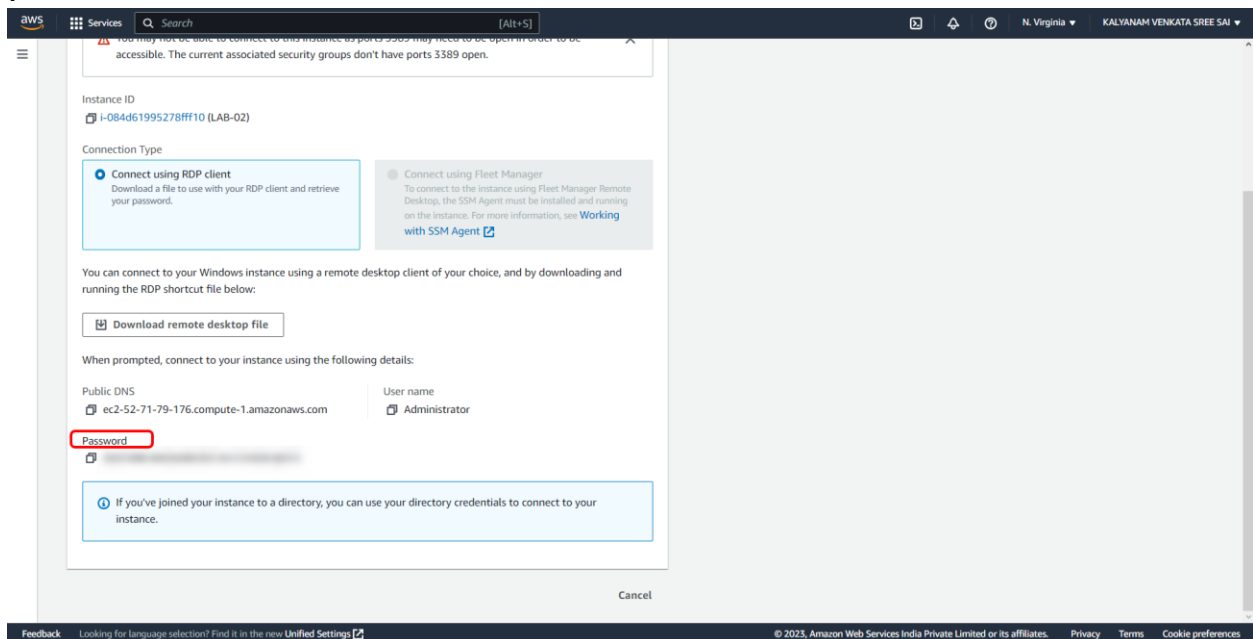
Step-21: Click on the connect we need password



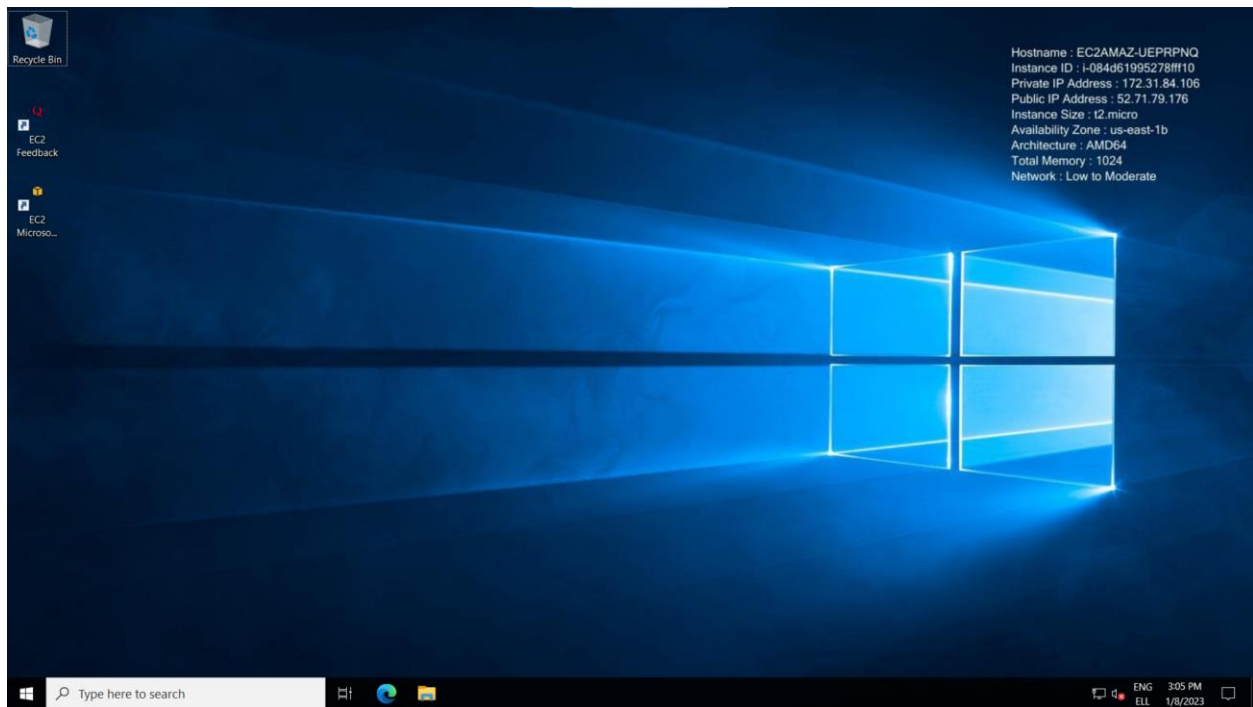
Step-22: For Password Go to the RDP client Click on the “Get Password”.



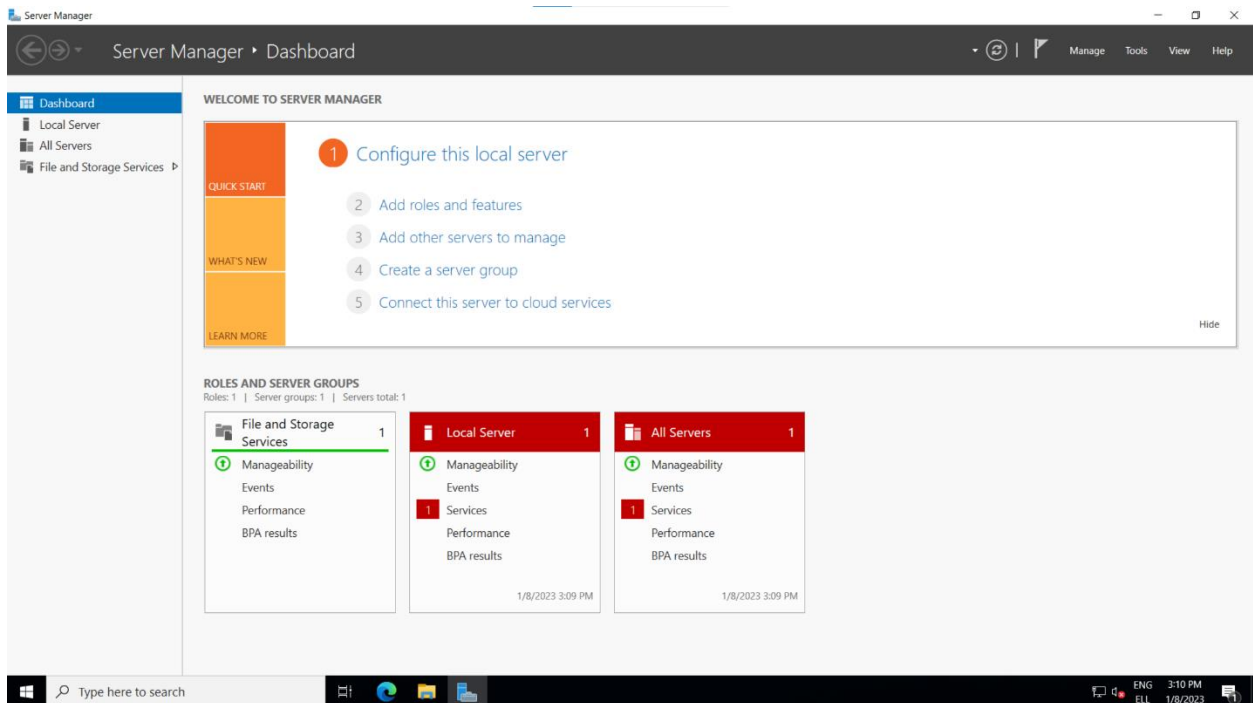
Step-23: After That Upload the Key file and click on the decrypt password.




Step-24: Now By using User Name and Password connect the windows instance.



Step-25: Go to the Server Manager.



Step-26: Click On the “Add Roles And Features “after that leave all defaults upto server selection and then in server roles select the “Web server (IIS)”

 Add Roles and Features Wizard

## Select server roles

Before You Begin

Installation Type

Server Selection

**Server Roles**

Features

Web Server Role (IIS)

Role Services

Confirmation

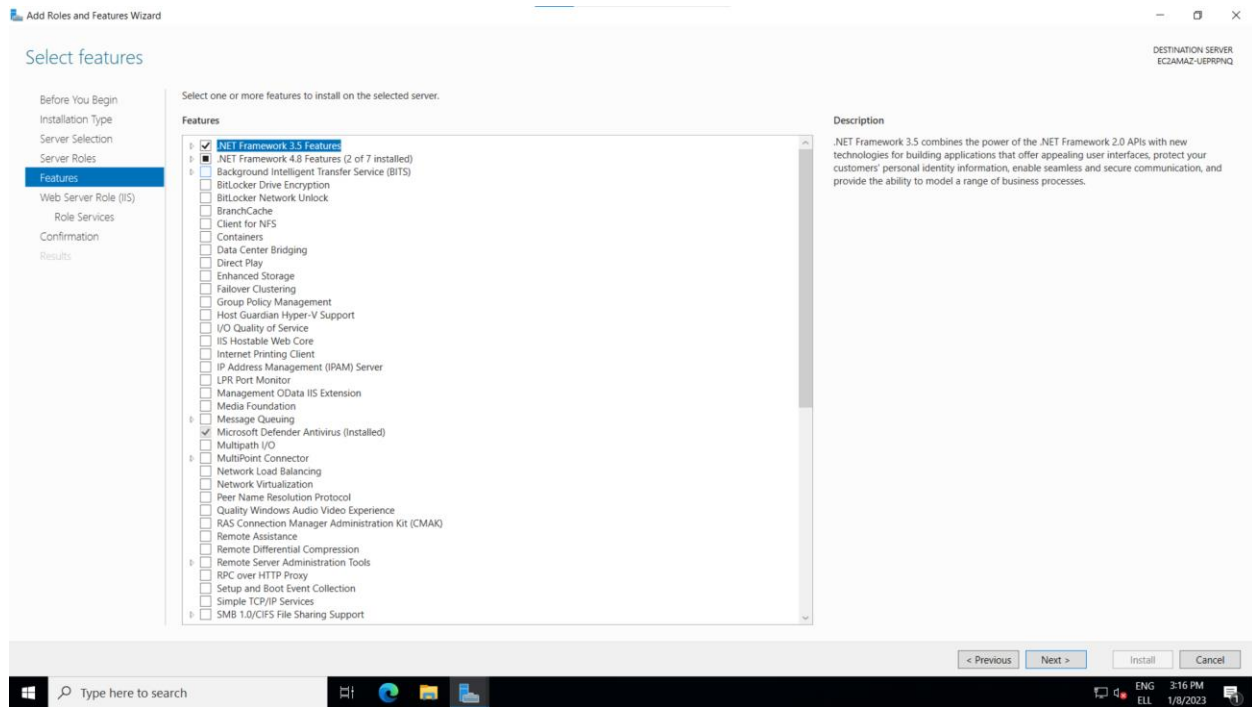
Results

Select one or more roles to install on the selected server.

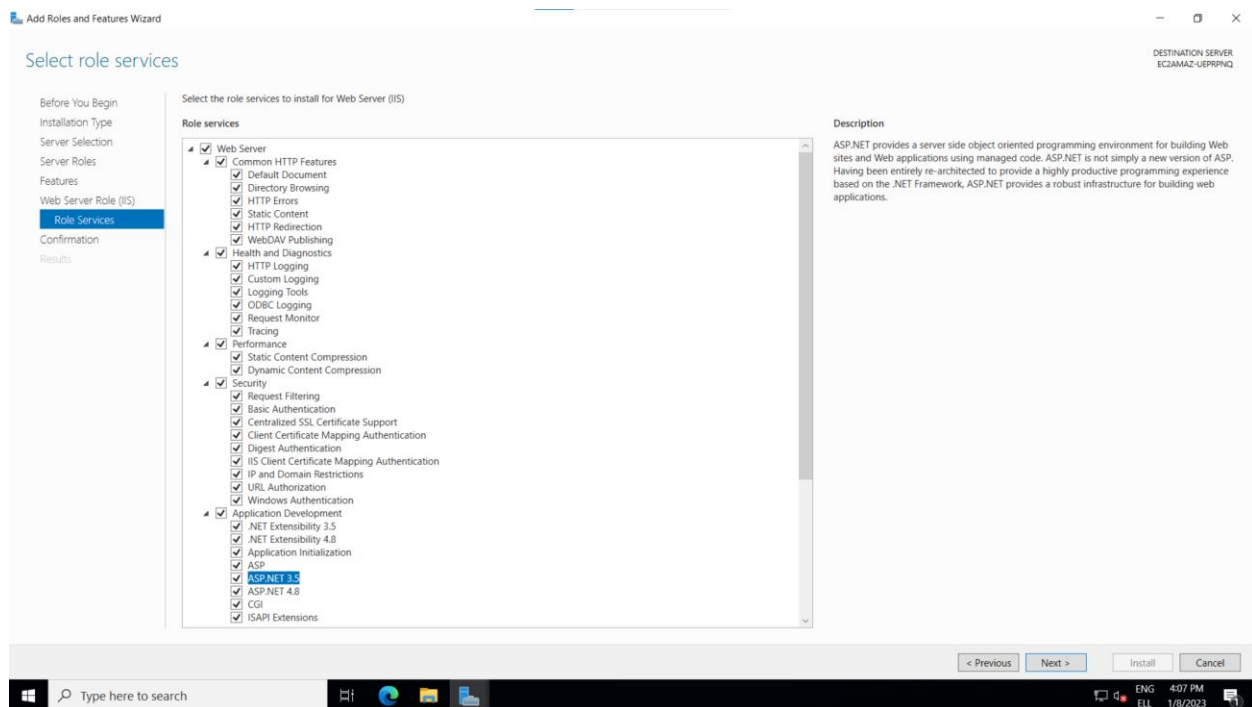
### Roles

- ☐ Active Directory Certificate Services
- ☐ Active Directory Domain Services
- ☐ Active Directory Federation Services
- ☐ Active Directory Lightweight Directory Services
- ☐ Active Directory Rights Management Services
- ☐ Device Health Attestation
- ☐ DHCP Server
- ☐ DNS Server
- ☐ Fax Server
- ☒ File and Storage Services (1 of 12 installed)
- ☐ Host Guardian Service
- ☐ Hyper-V
- ☐ Network Controller
- ☐ Network Policy and Access Services
- ☐ Print and Document Services
- ☐ Remote Access
- ☐ Remote Desktop Services
- ☐ Volume Activation Services
- ☒ **Web Server (IIS)**
- ☐ Windows Deployment Services
- ☐ Windows Server Update Services

## Step-27: In features select “Net Framework 3.5 Feature”



## Step-28: In the Roles Services select all the services.



## Step-29: We finally installed IIS server in windows Ec2 Instance.

