Sign up for an AWS account

If you do not have an AWS account, complete the following steps to create one.

To sign up for an AWS account

1. Open https://portal.aws.amazon.com/billing/signup.
2. Follow the online instructions.

   Part of the sign-up procedure involves receiving a phone call and entering a verification code on the phone keypad.

   When you sign up for an AWS account, an *AWS account root user* is created. The root user has access to all AWS services and resources in the account. As a security best practice, assign administrative access to an administrative user, and use only the root user to perform tasks that require root user access.

AWS sends you a confirmation email after the sign-up process is complete. At any time, you can view your current account activity and manage your account by going to https://aws.amazon.com/ and choosing **My Account**.
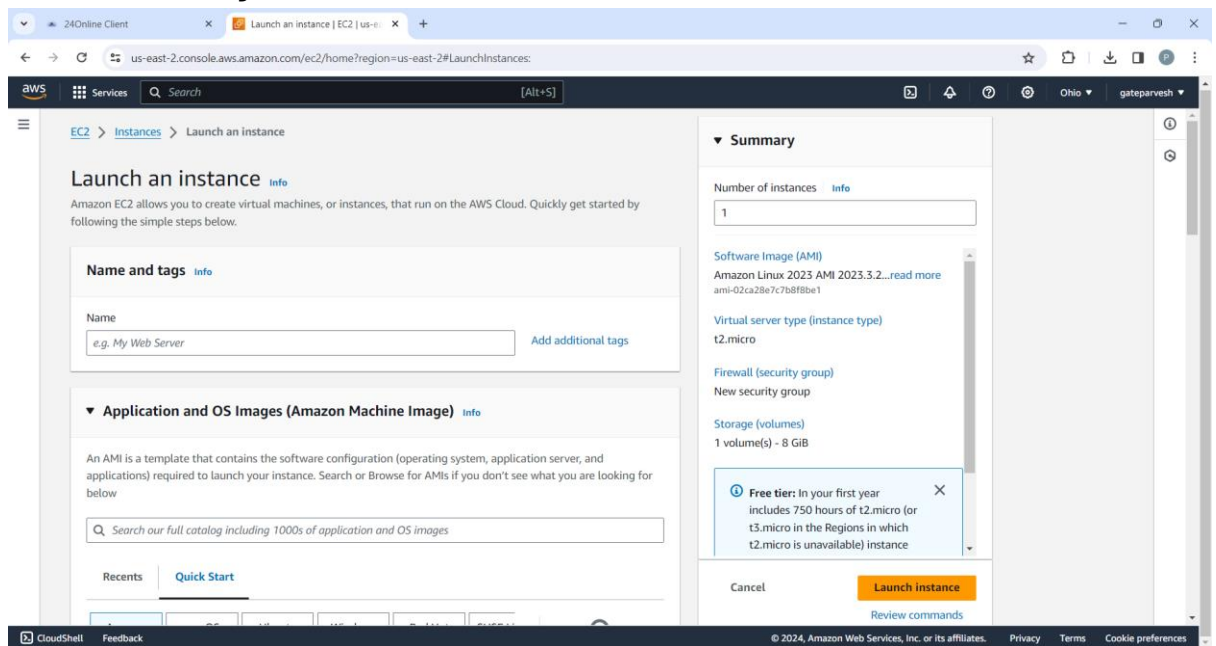
Launch EC2 Instance With 4 Types

1. **Cloud compiler**
2. **Power Shell**
3. **Putty**
4. **MobaXtream**

Using Cloud Compiler :-

1. **First Sgin in aws accounts**
2. **Go to Ec2 and click on launch instance button**

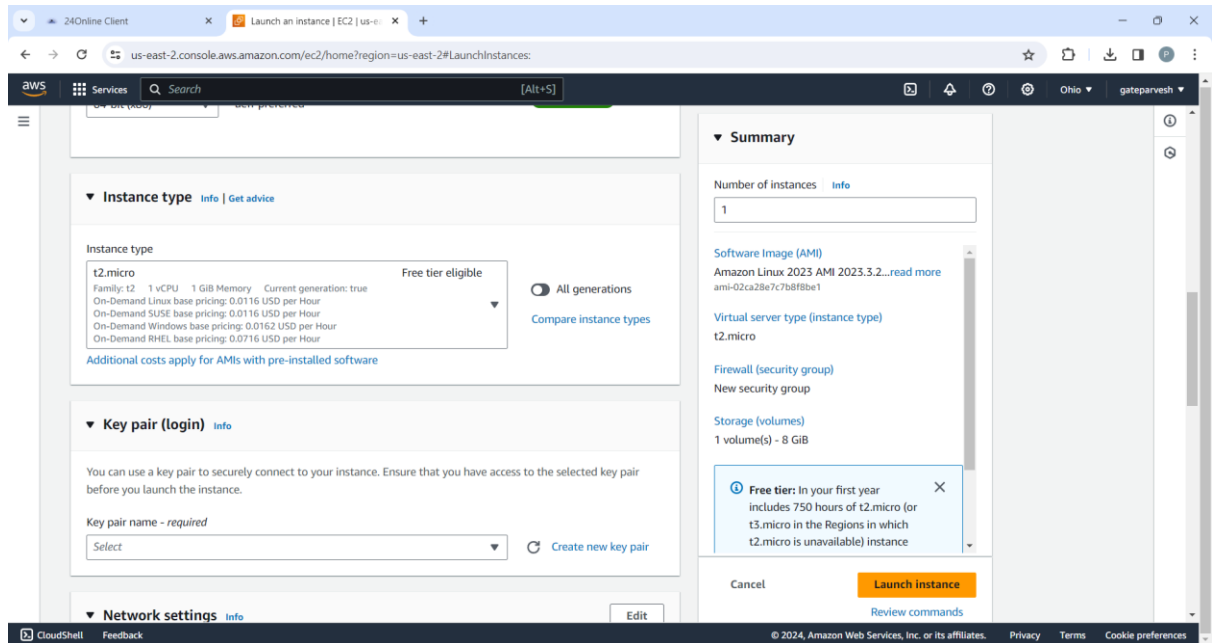## I. Give name to your Instance.

II. **Select the** Application and OS Images (Amazon Machine Image)
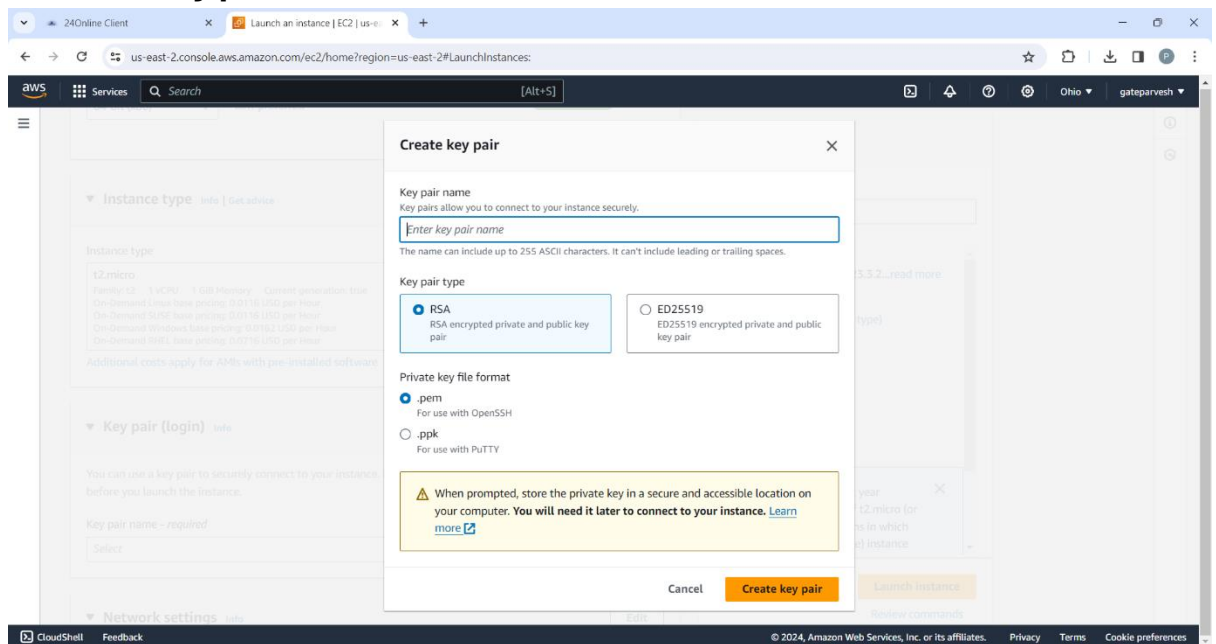
category in which you want to launch like Amazon Linux MacOS and Ubuntu.
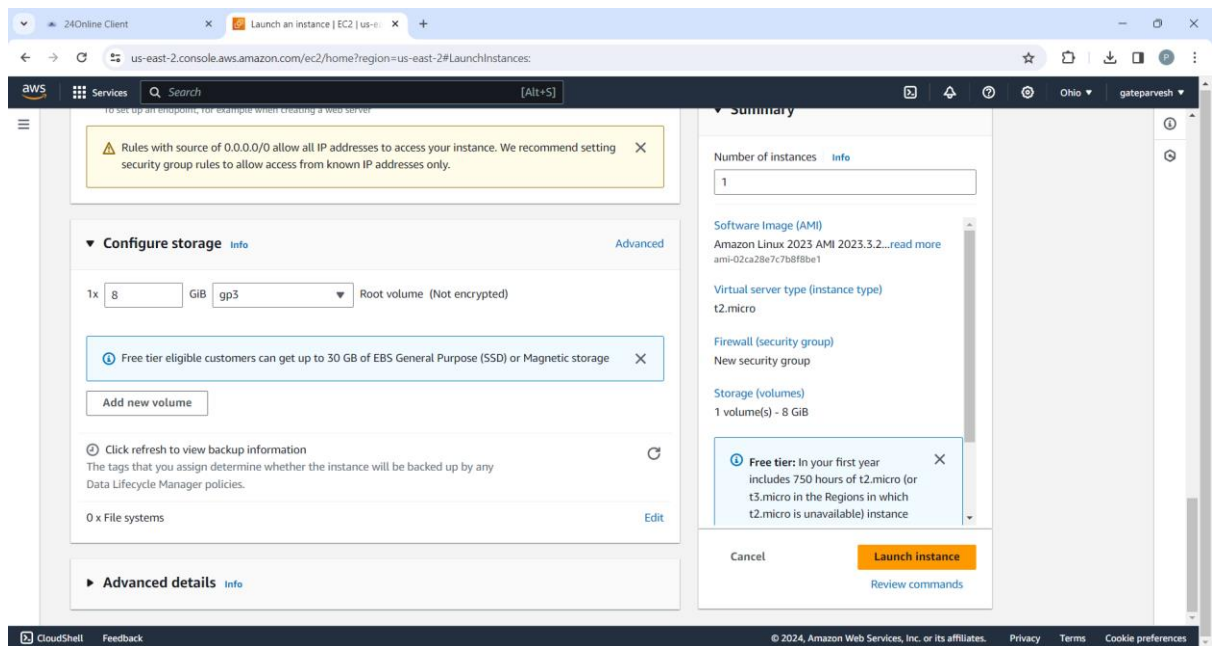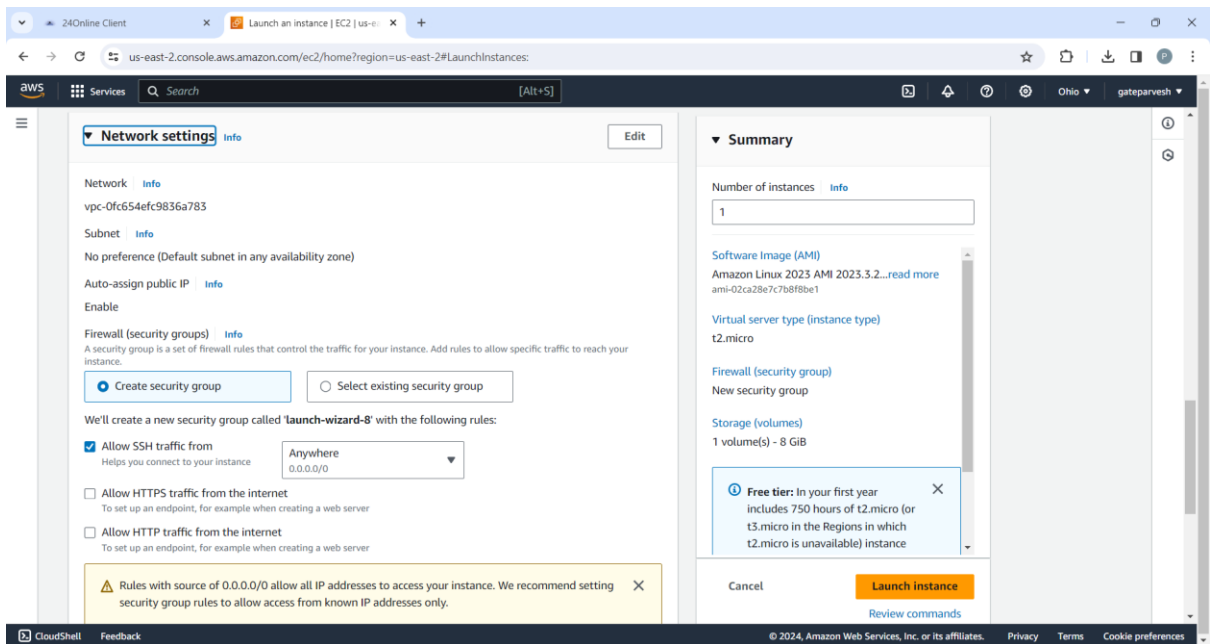
III. Select instances type we select t2. micro (default)

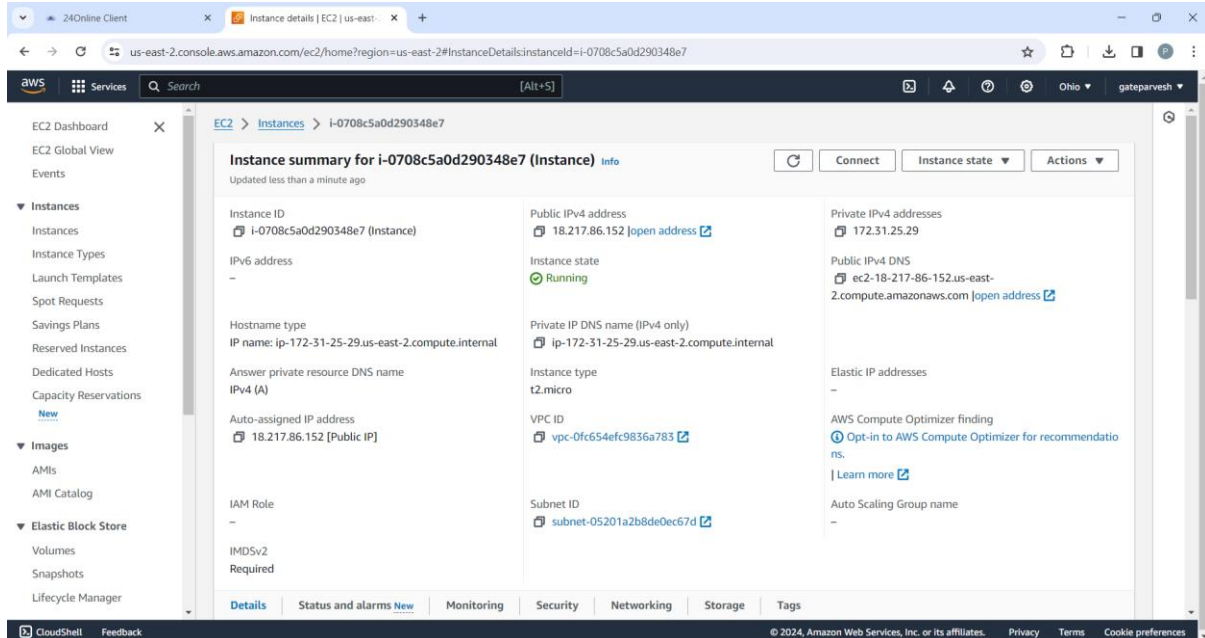### IV. create a key pair.

V. All network security remains same all other things to defaults.

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

aws   Services   Q Search   [Alt+S]   Ohio ▼   gateparvesh ▼

▼ Network settings   Info   Edit

Network   Info

vpc-0fc654efc9836a783

Subnet   Info

No preference (Default subnet in any availability zone)

Auto-assign public IP   Info

Enable

Firewall (security groups)   Info

A security group is a set of firewall rules that control the traffic for your instance. Add rules to allow specific traffic to reach your instance.

◉ Create security group   ○ Select existing security group

We'll create a new security group called '**launch-wizard-8**' with the following rules:

☑ Allow SSH traffic from   [Anywhere 0.0.0.0/0 ▼]
    Helps you connect to your instance

☐ Allow HTTPS traffic from the internet
    To set up an endpoint, for example when creating a web server

☐ Allow HTTP traffic from the internet
    To set up an endpoint, for example when creating a web server

⚠ 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.

▼ Summary

Number of instances   Info

[1]

Software Image (AMI)
Amazon Linux 2023 AMI 2023.3.2...read more
ami-02ca28e7c7b8f8be1

Virtual server type (instance type)
t2.micro

Firewall (security group)
New security group

Storage (volumes)
1 volume(s) - 8 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

Cancel   [Launch instance]

Review commands

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

aws   Services   Q Search   [Alt+S]   Ohio ▼   gateparvesh ▼

To set up an endpoint, for example when creating a web server

⚠ 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.

▼ Configure storage   Info   Advanced

1x [8] GiB [gp3 ▼] Root volume (Not encrypted)

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

[Add new volume]

⟳ Click refresh to view backup information   ⟳
The tags that you assign determine whether the instance will be backed up by any
Data Lifecycle Manager policies.

0 x File systems   Edit

▶ Advanced details   Info

▼ Summary

Number of instances   Info

[1]

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Cancel   [Launch instance]

Review commands

#Using Power shell.

First, we need to launch instance for public id to launch using power shell.

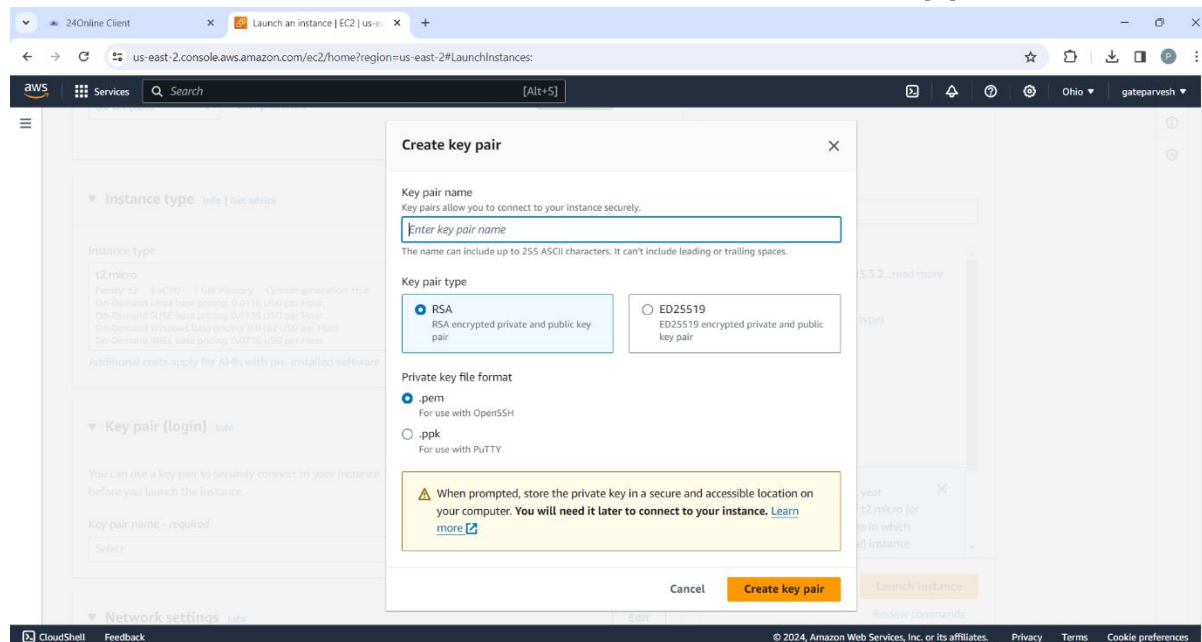
3. Open power shell and goes to folder where your key is store.
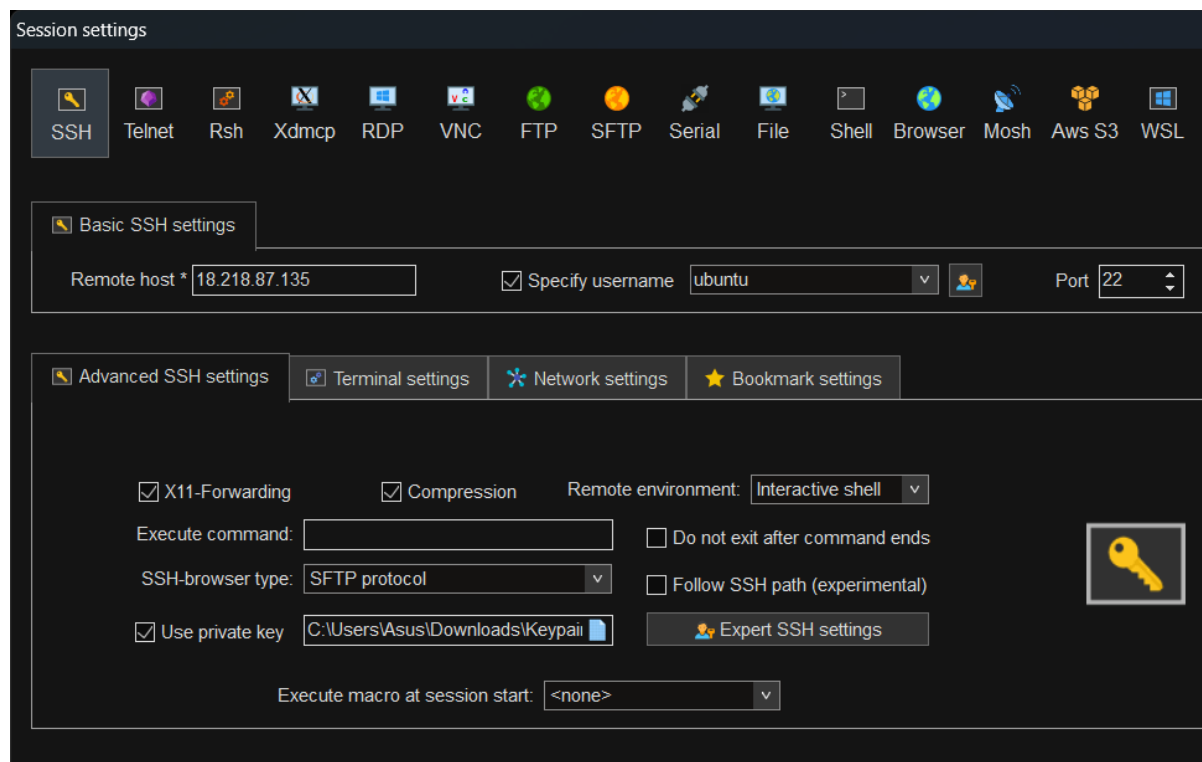Then write command "ssh -i '.\[keyName].pem' ec2-user@[public address] "

Using MobaXterm

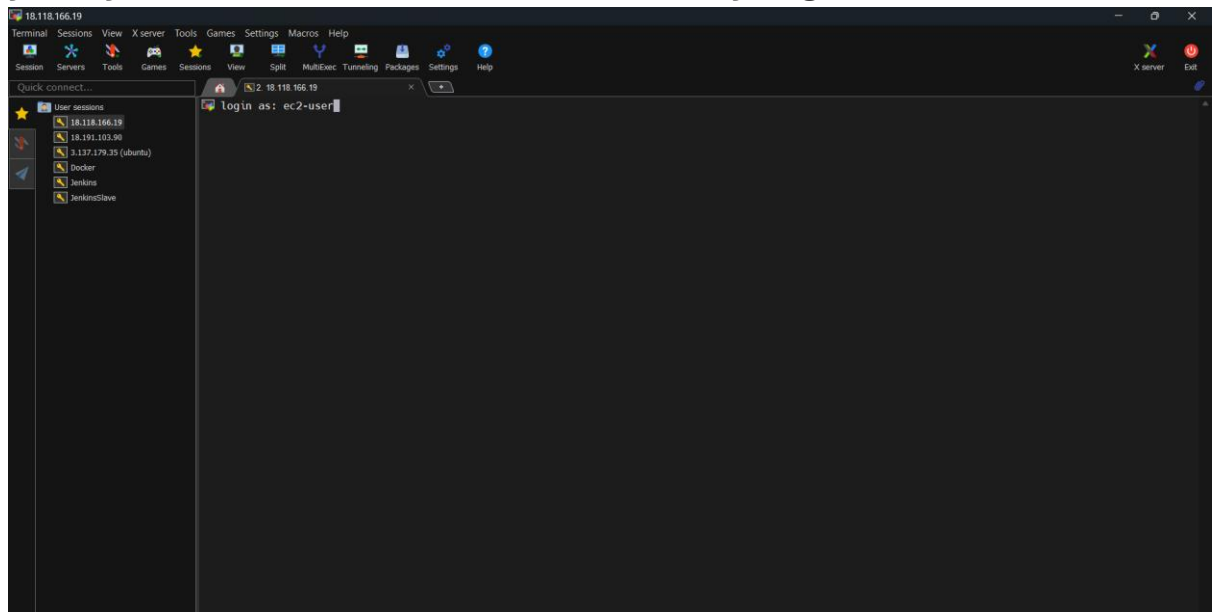1. **First launch an instance own aws EC2 instance with Key pair.**
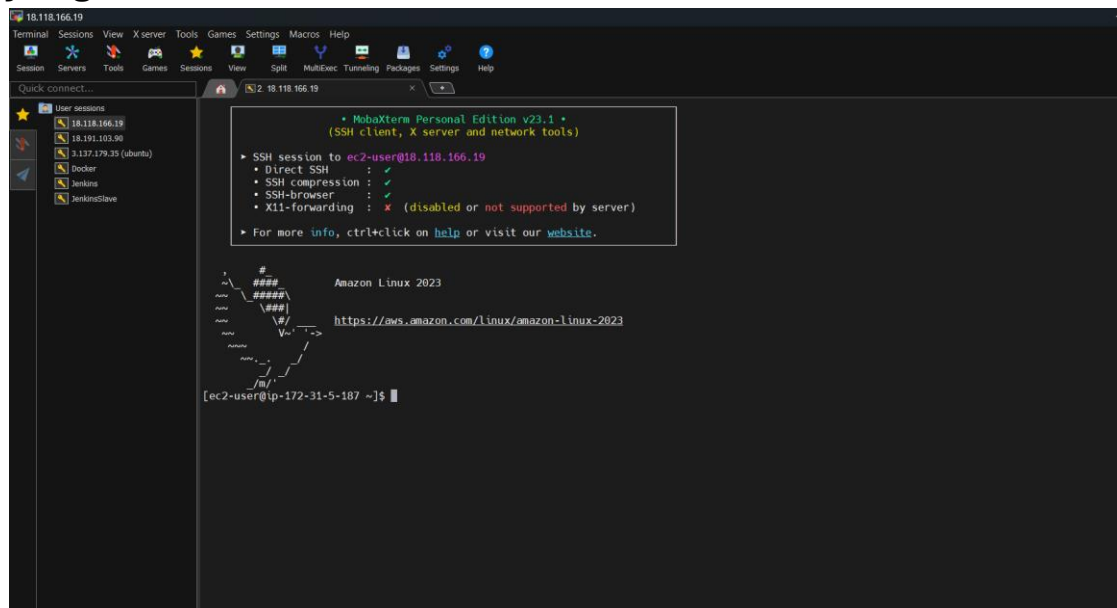

2. **Open mobaxterm and open session**

3. **Go to SSH and public id at host location and enter private key Which you create on aws ec2 instance.**

4. **Now you have entered login details which you found when you try to connect aws ec2 instance where you get details.**
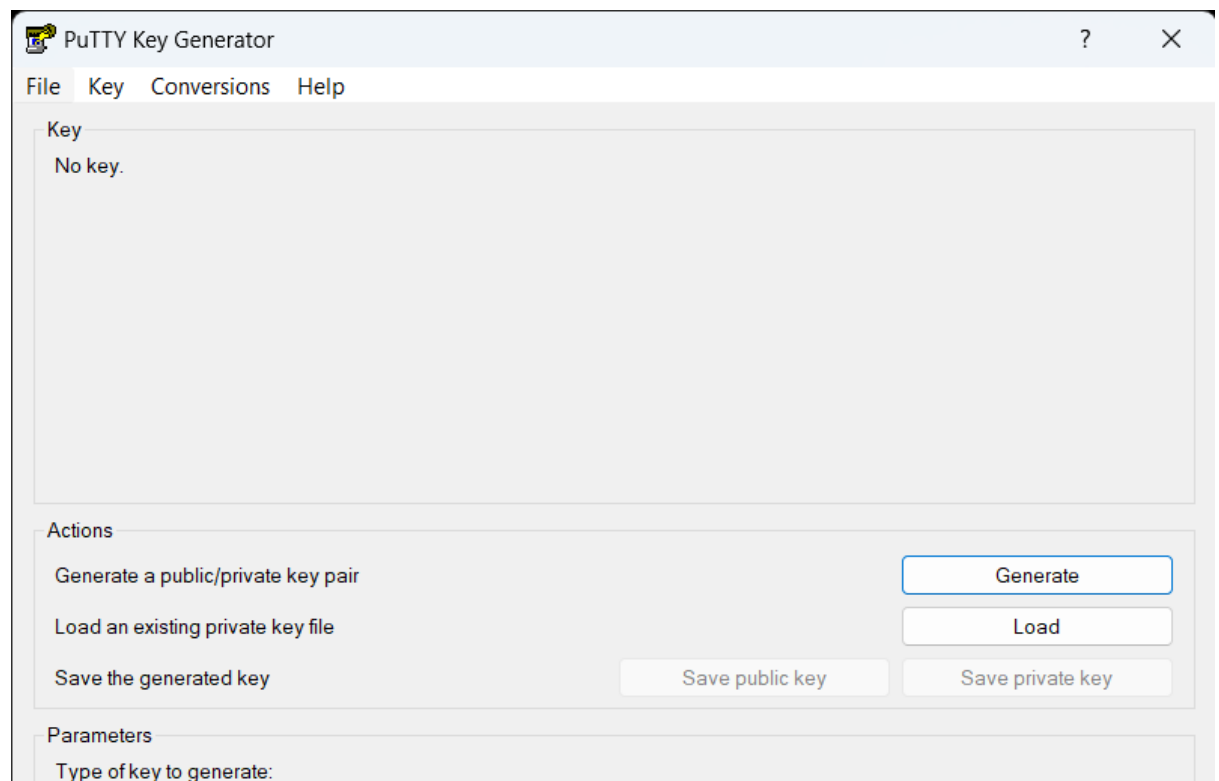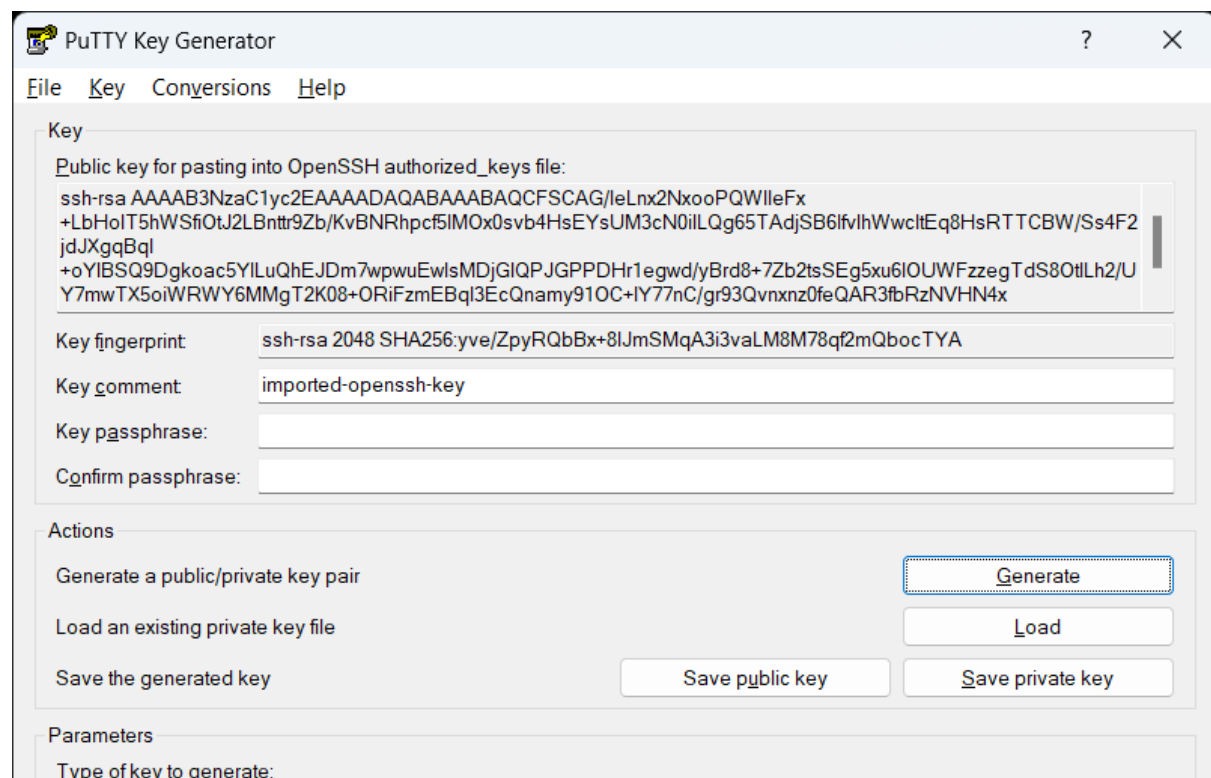

5. **Then you get.**

#Using Putty: -

1. **Download and Install Putty in System.**
2. **Then open Putty Gen and** click on file > load private key > then select key which you used in aws instances.

2.1

PuTTY Key Generator   ?   ✕

File   Key   Conversions   Help

Key

  No key.

Actions

Generate a public/private key pair   Generate

Load an existing private key file   Load

Save the generated key   Save public key   Save private key

Parameters

  Type of key to generate:

2.2

PuTTY Key Generator   ?   ✕

File   Key   Conversions   Help

Key

Public key for pasting into OpenSSH authorized_keys file:

ssh-rsa AAAAB3NzaC1yc2EAAAADAQABAAABAQCFSCAG/IeLnx2NxooPQWIIeFx
+LbHoIT5hWSfiOtJ2LBnttr9Zb/KvBNRhpcf5lMOx0svb4HsEYsUM3cN0ilLQg65TAdjSB6lfvlhWwcltEq8HsRTTCBW/Ss4F2
jdJXgqBql
+oYlBSQ9Dgkoac5YlLuQhEJDm7wpwuEwlsMDjGlQPJGPPDHr1egwd/yBrd8+7Zb2tsSEg5xu6lOUWFzzegTdS8OtlLh2/U
Y7mwTX5oiWRWY6MMgT2K08+ORiFzmEBql3EcQnamy91OC+IY77nC/gr93Qvnxnz0feQAR3fbRzNVHN4x

Key fingerprint: ssh-rsa 2048 SHA256:yve/ZpyRQbBx+8IJmSMqA3i3vaLM8M78qf2mQbocTYA

Key comment: imported-openssh-key

Key passphrase:

Confirm passphrase:

Actions

Generate a public/private key pair   Generate

Load an existing private key file   Load

Save the generated key   Save public key   Save private key

Parameters

  Type of key to generate:

3. **Now click on save private key you got a pop to save without password then click on yes and save file.**
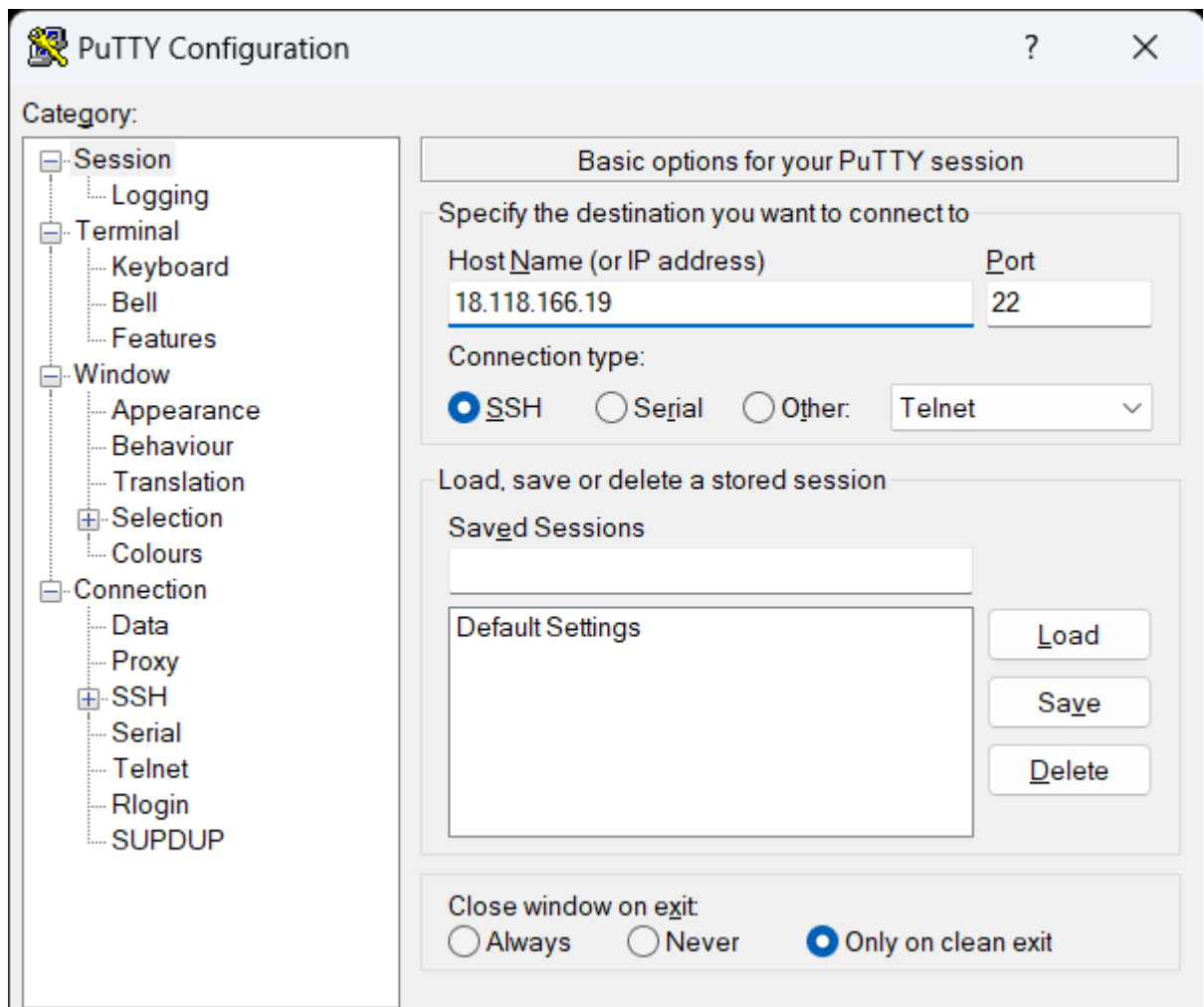
    3.1
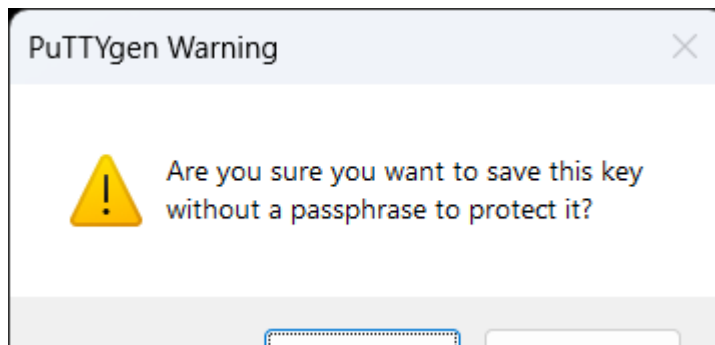
    3.2
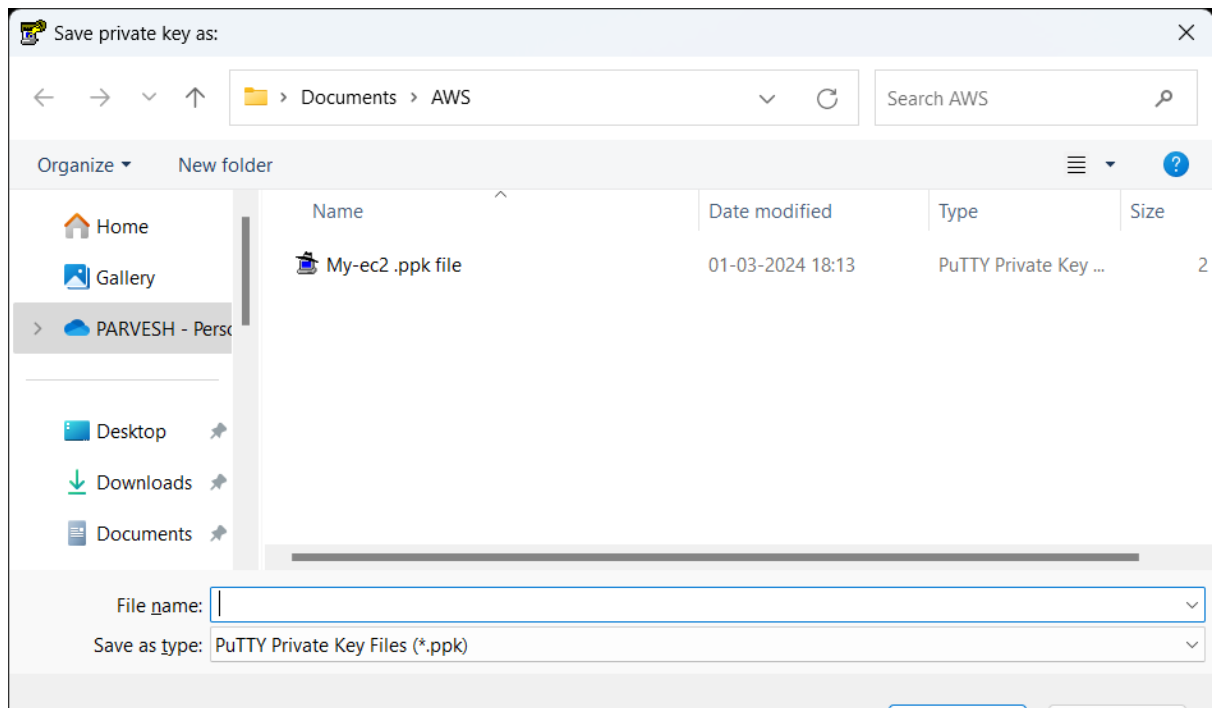
4. **Close puttygen and open putty.**
5. **Give host name which is public IP address on aws ec2 launch instance and paste that.**

6. Now you have to go in connection -> SSH -> auth-> credentials > then browse public key authentication.

7. Then click on Open a terminal where it asks to enter login which is default ec2-user then press enter then you got result.