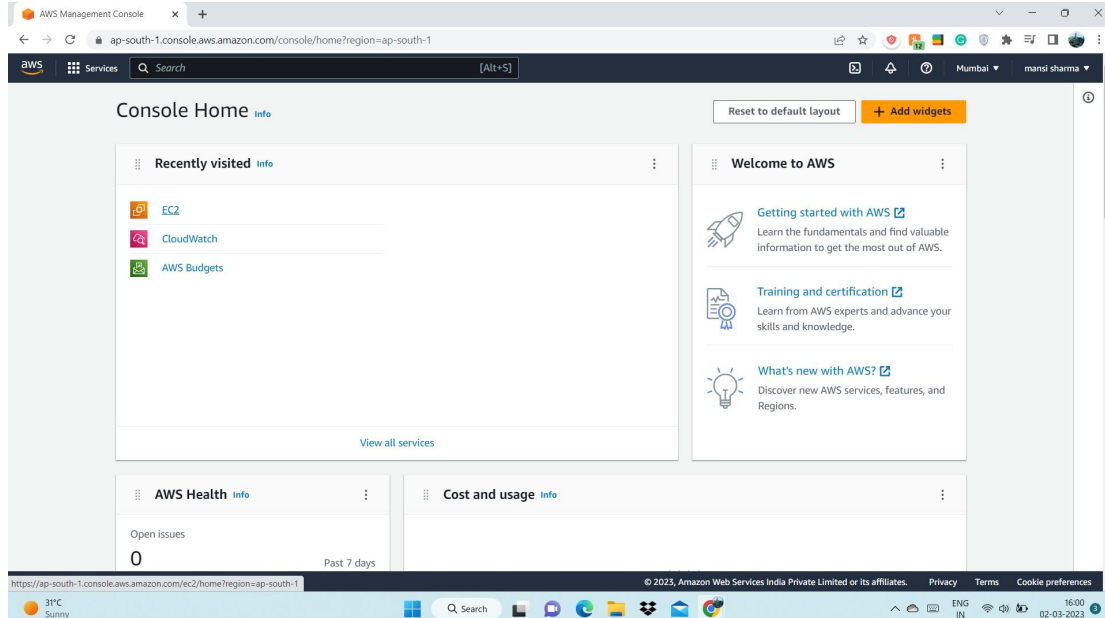


## LAUNCHING A LINUX INSTANCE USING EC2

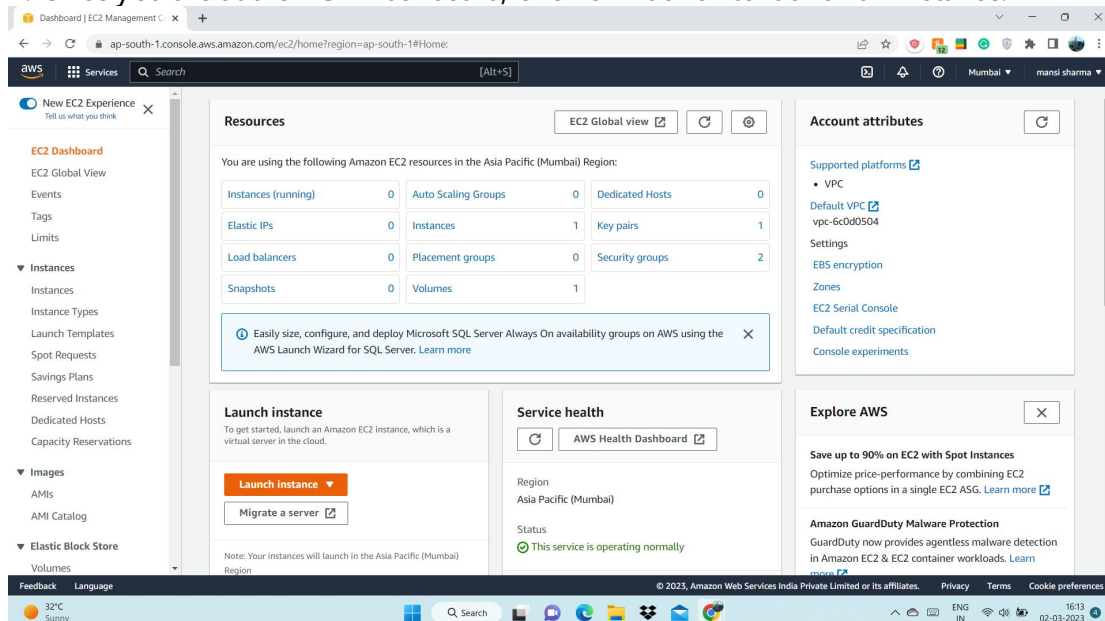
We will create EC2 instance.

1. Log in to your AWS console.

Search for EC2 in the search bar and click on it.



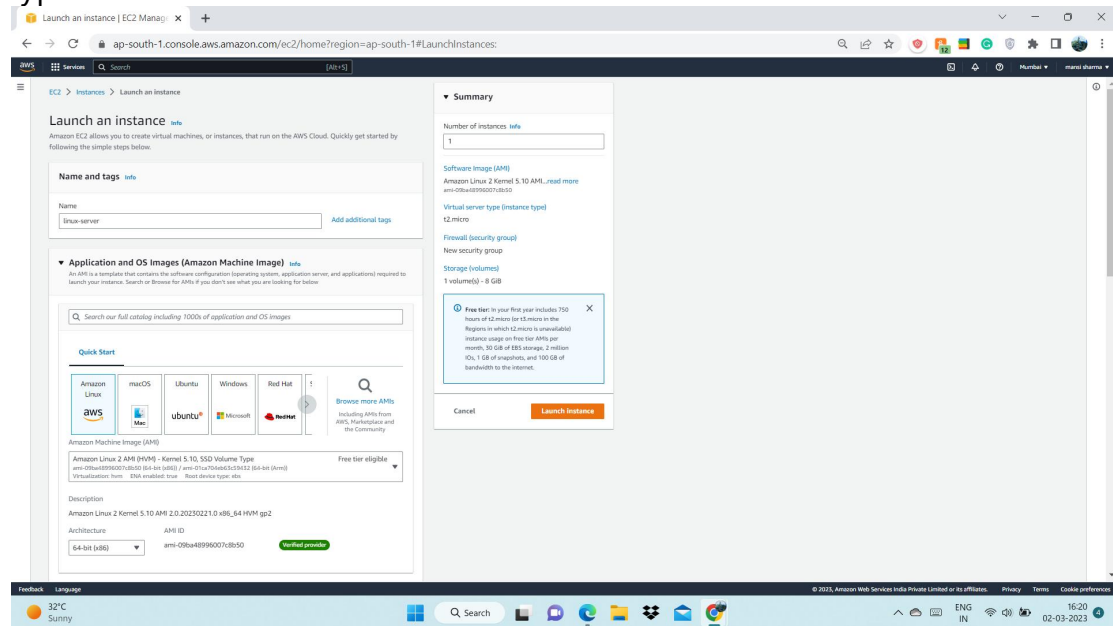
2. Once you are at the EC2 Dashboard, click on Launch to launch an instance.



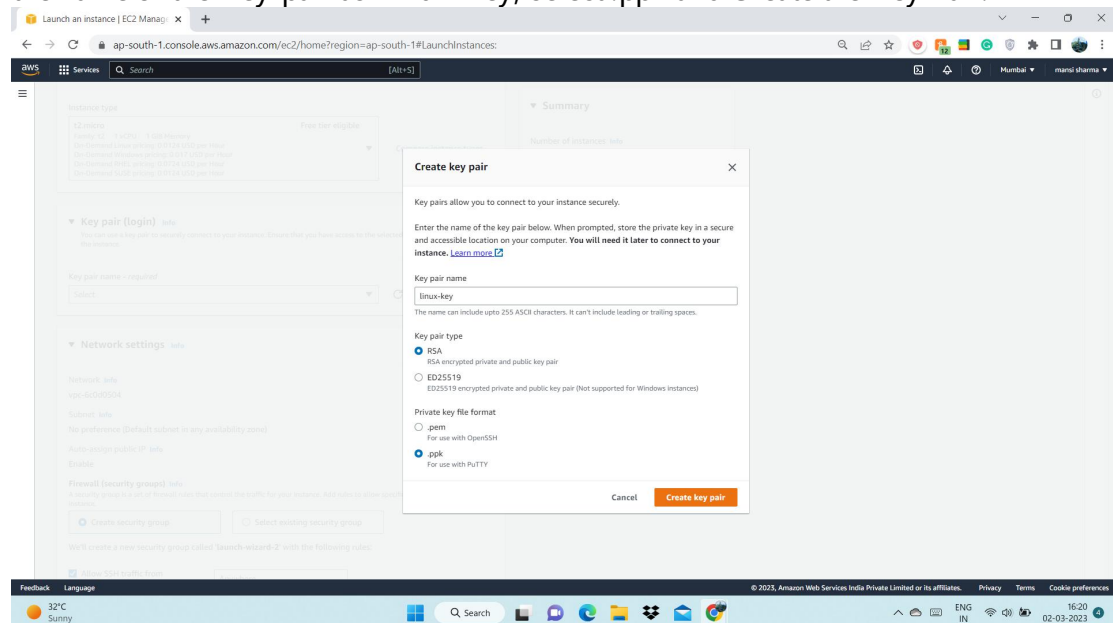
3. In the Name and Tags step you can add tags to an instance, here tags help you to enable categorize AWS resources in different ways, for example, by owner, environment, or purpose.

4. Choose Amazon Linux, select Amazon Linux 2 AMI (HVM) architecture and Click on Select.

## 5. For Select the t2.micro instance type.



## 6. Select an existing key pair or create a new one, we will Create a new one, enter the name of the Key-pair as Linux-Key, select .ppk and Create the Key Pair.



## 7. Now select select HTTP Port under Network Setting.

The screenshot shows the AWS Management Console 'Launch an instance' wizard in the 'Network settings' step. The interface is in English and the user is logged in as 'mansi.sharma' from 'Mumbai'.

**Network settings** (Info) [Edit]

Network: [Info](#)  
vpc-6c0d0504

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-2' with the following rules:

- ☒ Allow SSH traffic from [Info](#)  
Helps you connect to your instance. Anywhere (0.0.0.0/0)
- ☐ 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.

**Summary**

Number of instances: [Info](#)  
1

Software Image (AMI)  
Amazon Linux 2 Kernel 5.10 AMI... [read more](#)  
ami-09ba8996007c8b50

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 t2.nano 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 GB of bandwidth to the internet.

Cancel **Launch instance**

linux-key.ppk

32°C Sunny

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ENG IN 16:22 02-03-2023

## 8. Now review all the things you have Configured and Click on Launch Instance.

The screenshot shows the AWS Management Console interface for launching an EC2 instance. The top navigation bar includes the AWS logo, 'Services', a search bar, and the user's name 'manshi sharma'. The breadcrumb trail indicates the path: EC2 > Instances > Launch an instance.

### Launching instance

Please wait while we launch your instance.  
Do not close your browser while this is loading.

Launch initiation: 69%

Details

**Success**  
Successfully initiated launch of instance (i-0d0d039dd7fb63034)

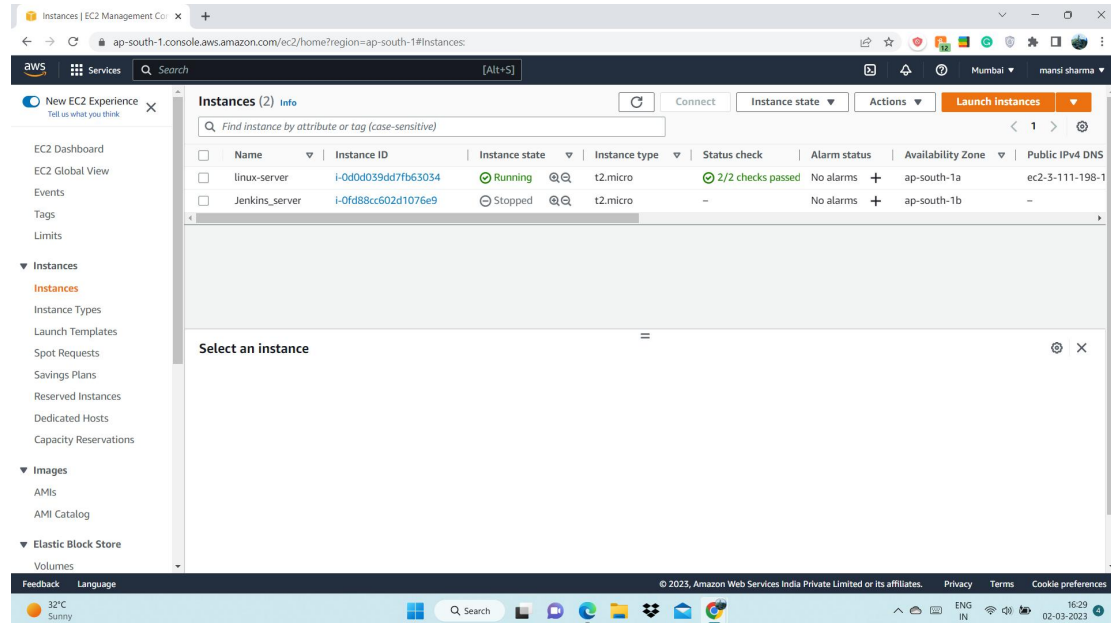
Launch log

### Next Steps

- Create billing and free tier usage alerts**  
To manage costs and avoid surprise bills, set up email notifications for billing and free tier usage thresholds.  
[Create billing alerts](#)
- Connect to your instance**  
Once your instance is running, log into it from your local computer.  
[Connect to instance](#)  
[Learn more](#)
- Connect an RDS database**  
Configure the connection between an EC2 instance and a database to allow traffic flow between them.  
[Connect an RDS database](#)  
[Create a new RDS database](#)  
[Learn more](#)

[View all instances](#)

## 10. Now Click on View all Instances.

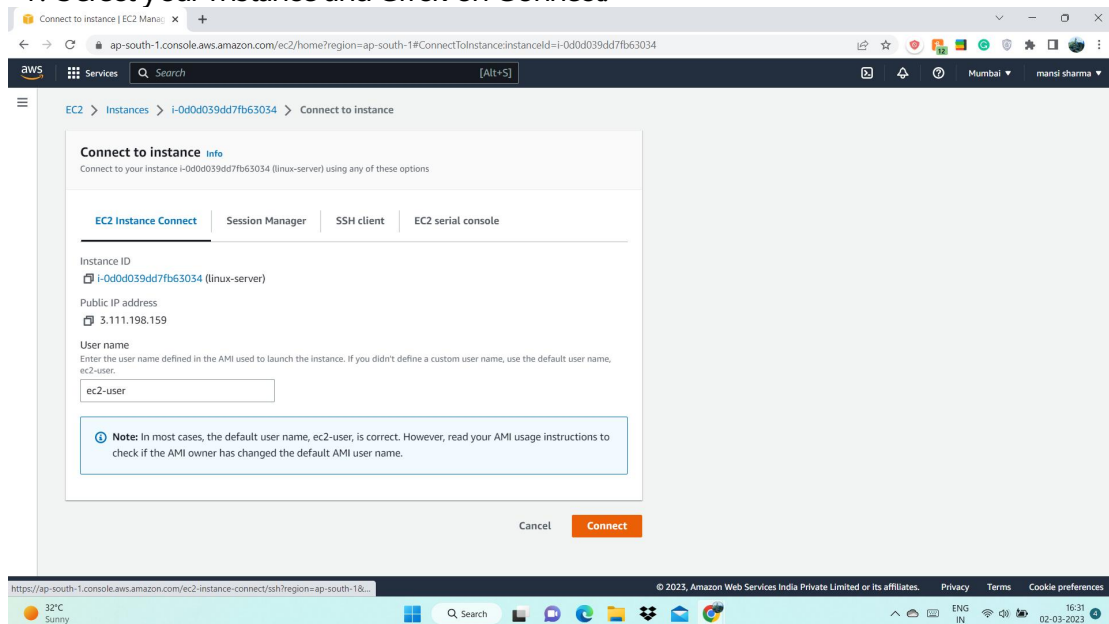


11. Here, you shall see your instance is launching and the Status check is Initializing, wait for some time.

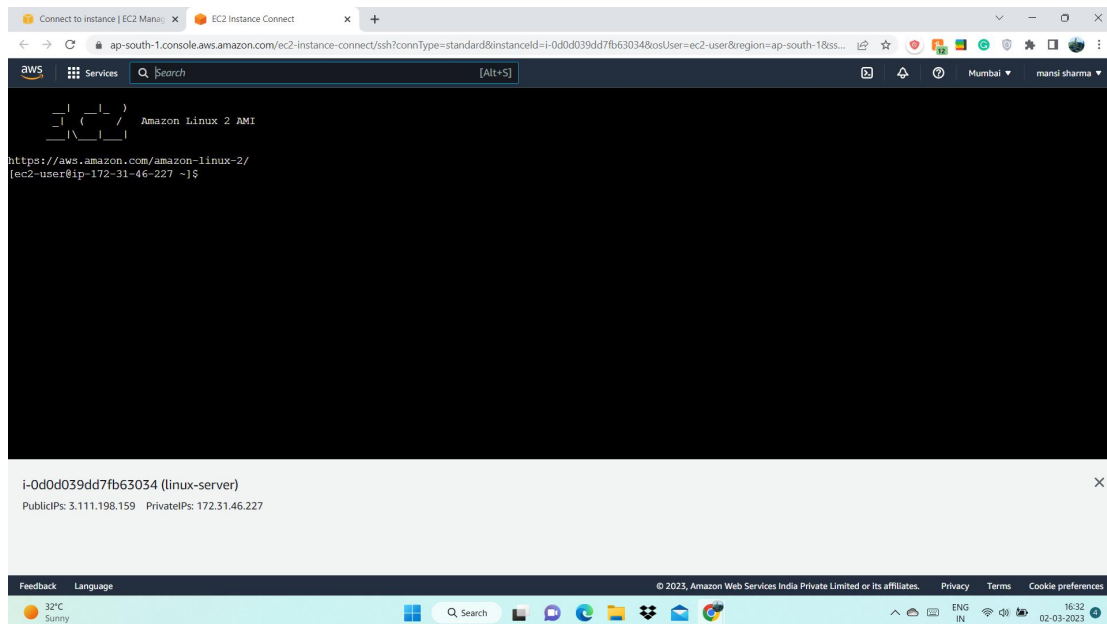
## Accessing EC2 Instance Using Browser SSH Connection

Till now, we have launched an instance successfully, but we need to access it to run commands so for accessing our instance the easy way is you can access the CLI directly from the browser using EC2 instance connect that we shall see in further steps.

1. Select your Instance and Click on Connect.



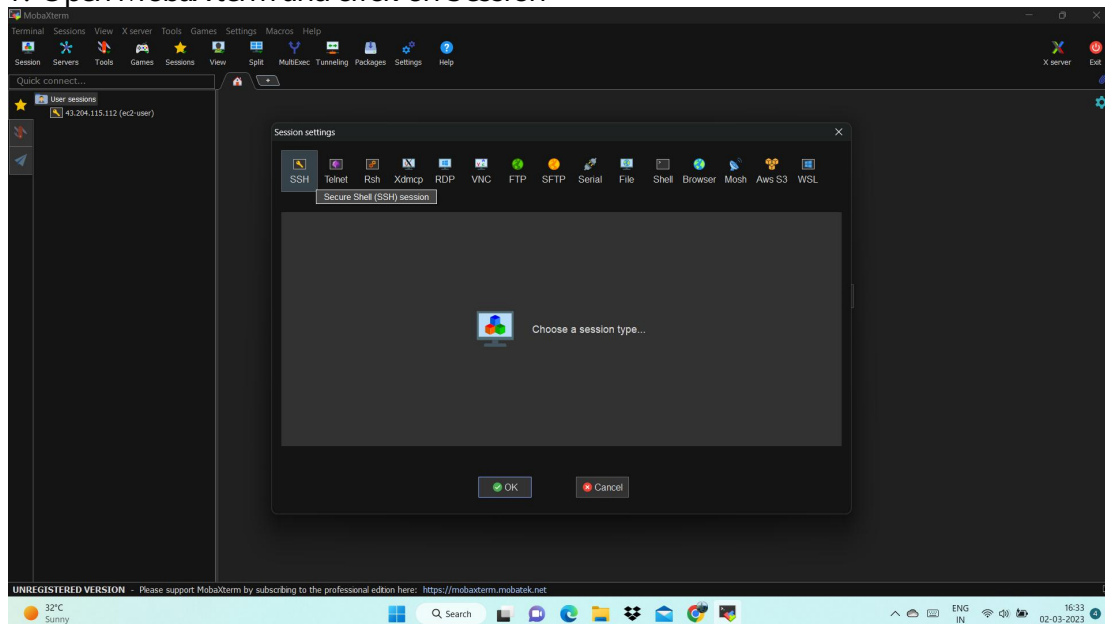
2. Under EC2 Instance Connect, let everything default and Click on Connect.



Now you shall be redirected to new window and you shall see the Linux CLI.

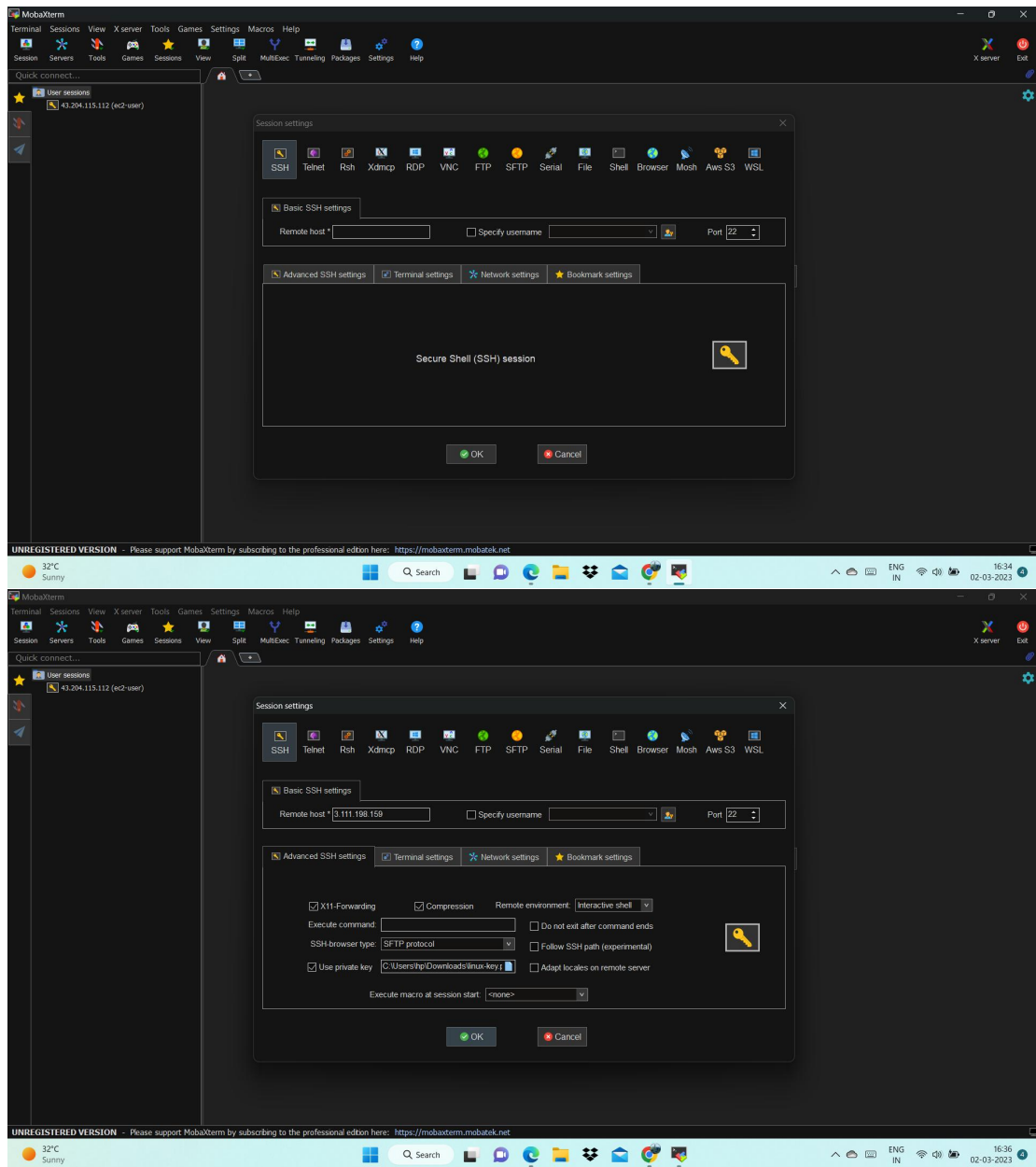
## Accessing EC2 Instance Using MobaXterm

1. Open MobaXterm and click on Session



2. A dialog box will open and click on SSH at the top right corner. 3. Now configure basic SSH Settings

- In the Remote host : Type or Paste the Public IP of Linux Instance • Click on Advanced SSH settings
- Click on Use private key checkbox and provide your private (ppk)
- Finally click on OK



3. You will be logged in to the Linux Instance as shown below. Thus we have successfully logged in to the Linux Instance using MobaXterm.

