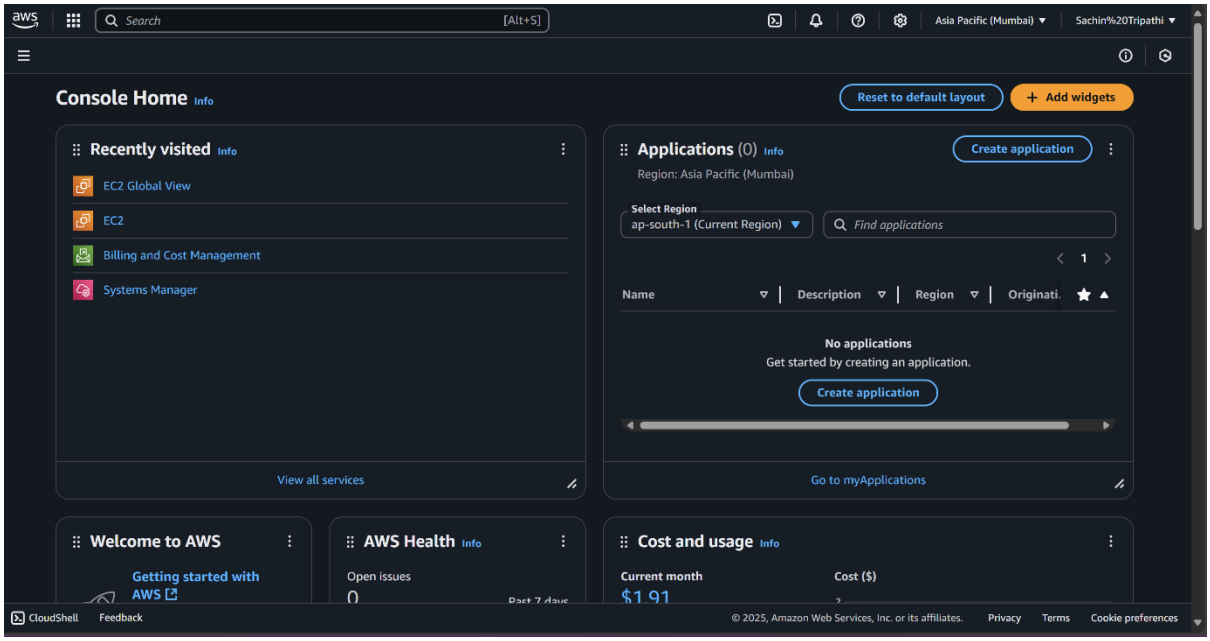
AWS EC2 - Linux Server Creation Guide

Introduction:- The AWS EC2 Linux Server Creation Guide provides step-by-step instructions for launching a virtual server in the cloud using Amazon Web Services. This guide helps users set up a secure and scalable Linux-based EC2 instance, ideal for hosting applications, websites, or development environments.

Step By Step Instructions:-

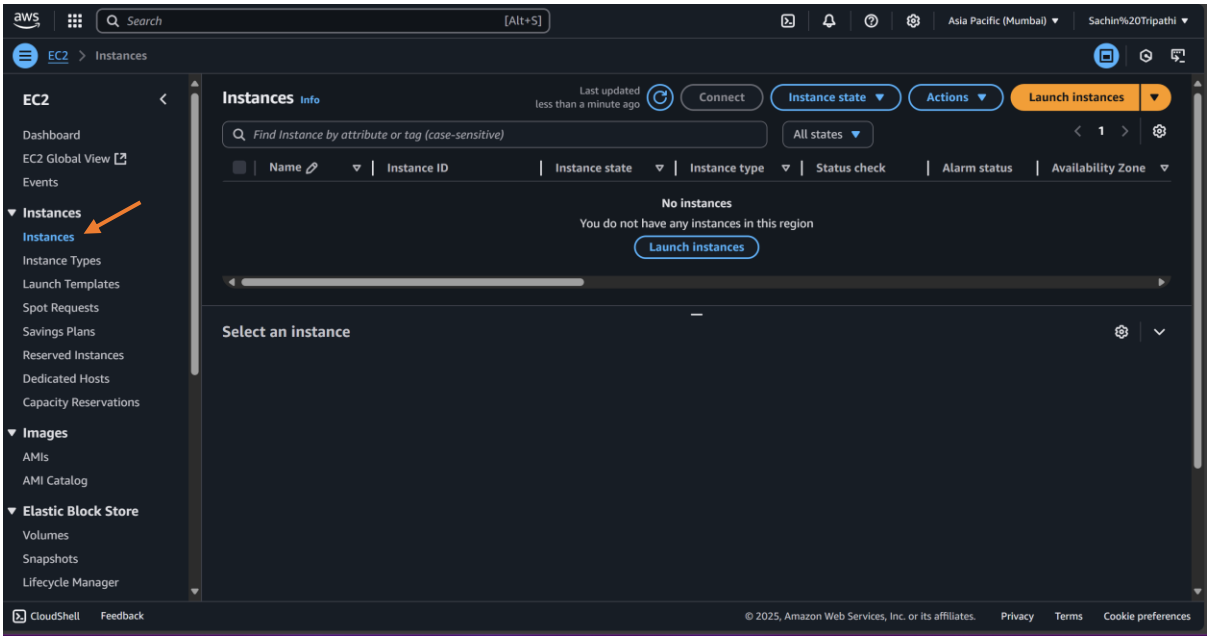
Step 1:-

- Go to the Home screen on AWS website.



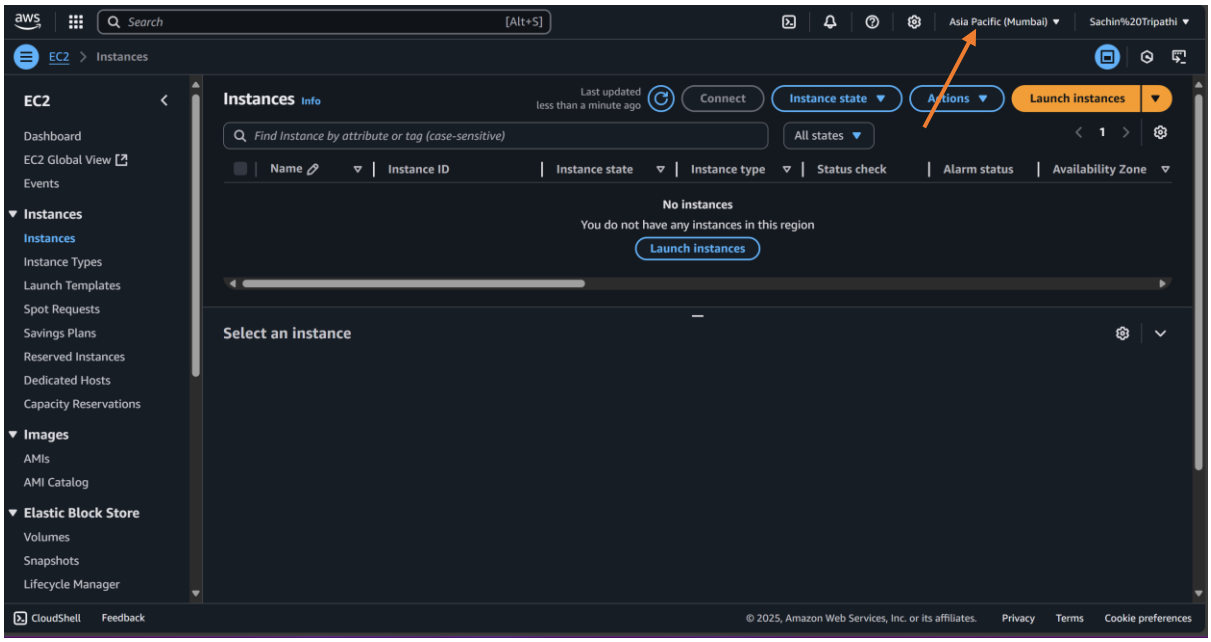
Step 2:-

- Search for EC2.
- Then click on Instances.



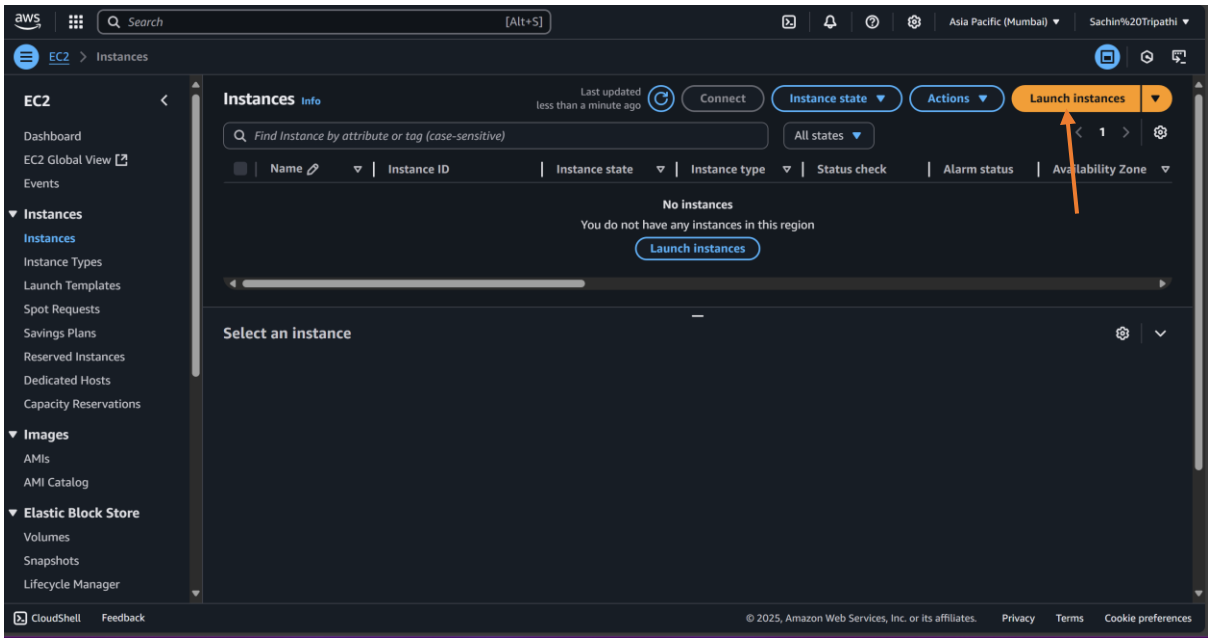
Step 3:-

- Select region.



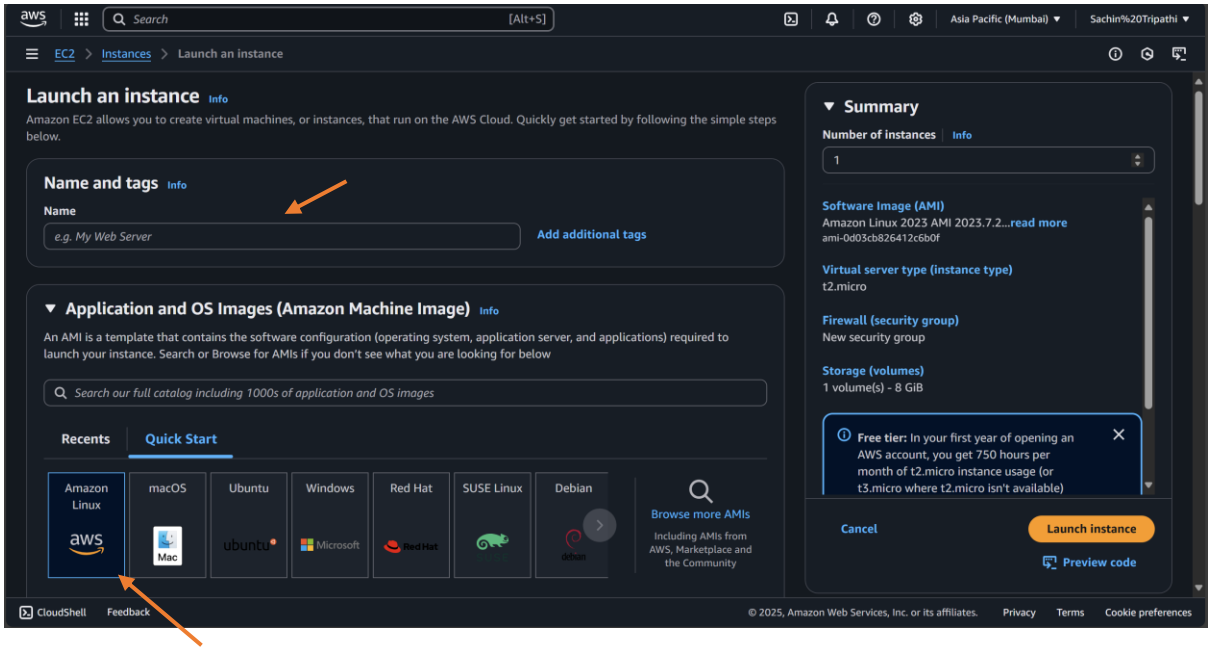
Step 4:-

- Click on “Launch instances”.



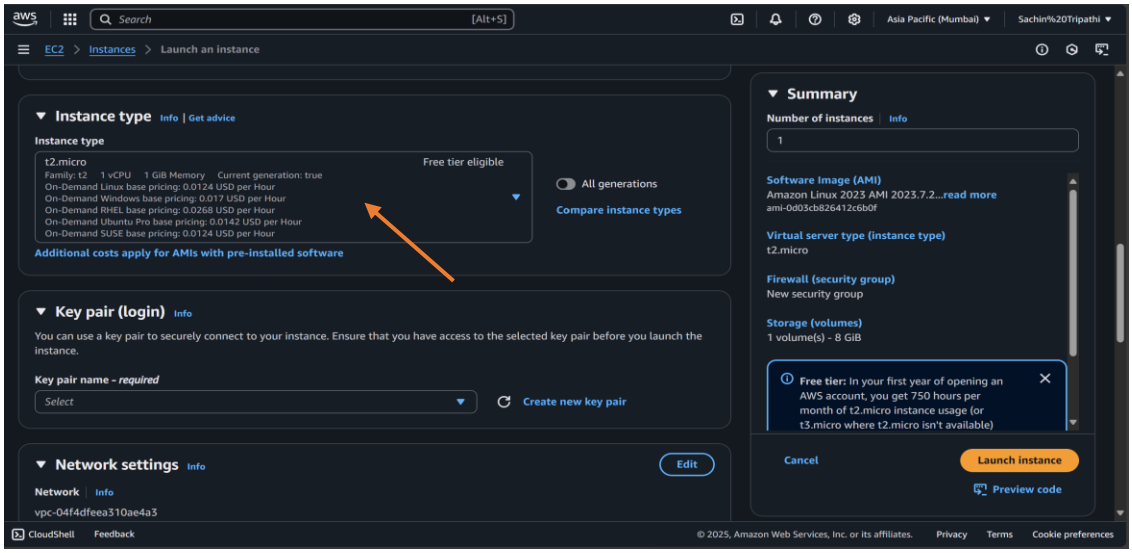
Step 5:-

- Write the name of the server.
- Choose Appilication and OS Images(AMI).



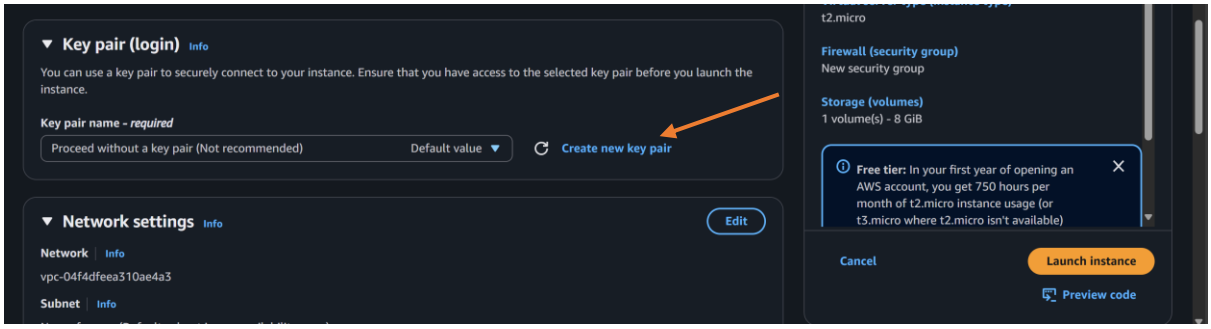
Step 6:-

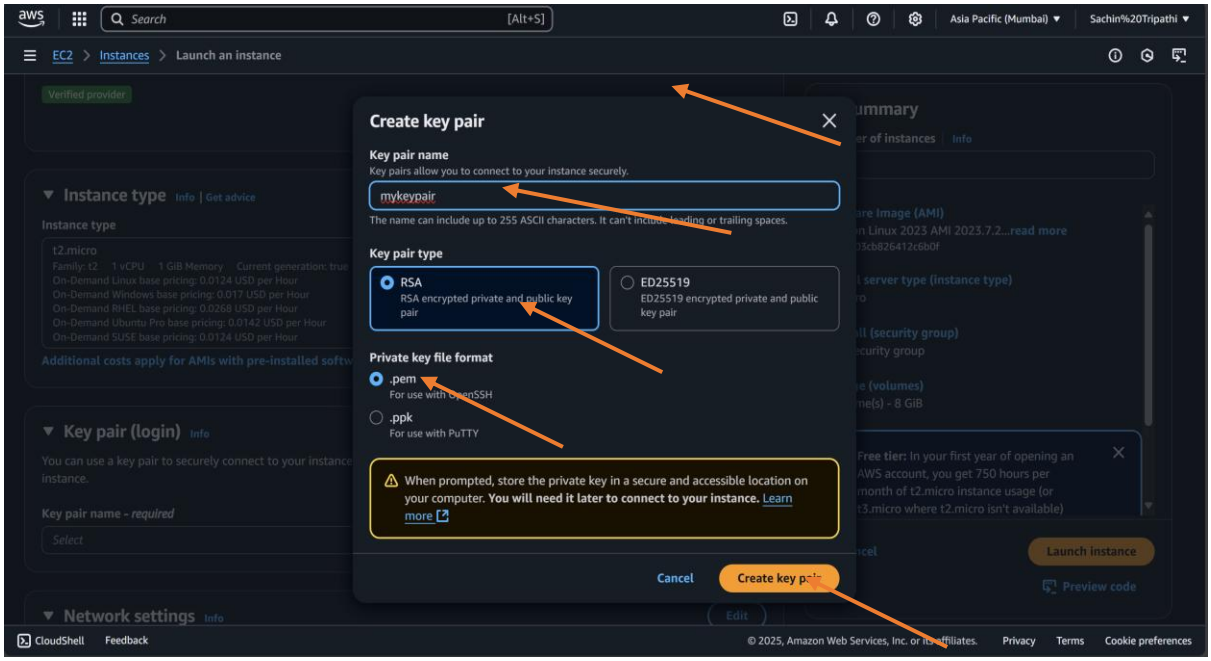
- Use t2 micro(free tier Available).
- Consider your instances type according to your need like for high computing choose more CPU and for more speed choose more RAM.

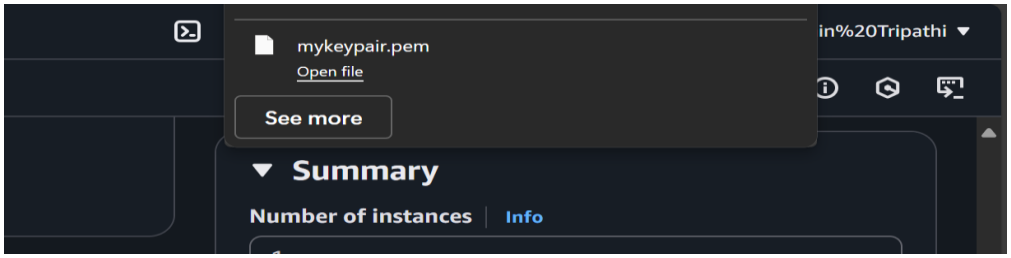


Step 7:-

- Create new key pair or use old keypairs.
- For creating new keypair click on create new keypair.
- Enter the name of keypair. For Ex:-mykeypair.
- Choose keypair type RSA.
- Choose private key format .PEM(for use with open SSH).
- Create key pair.

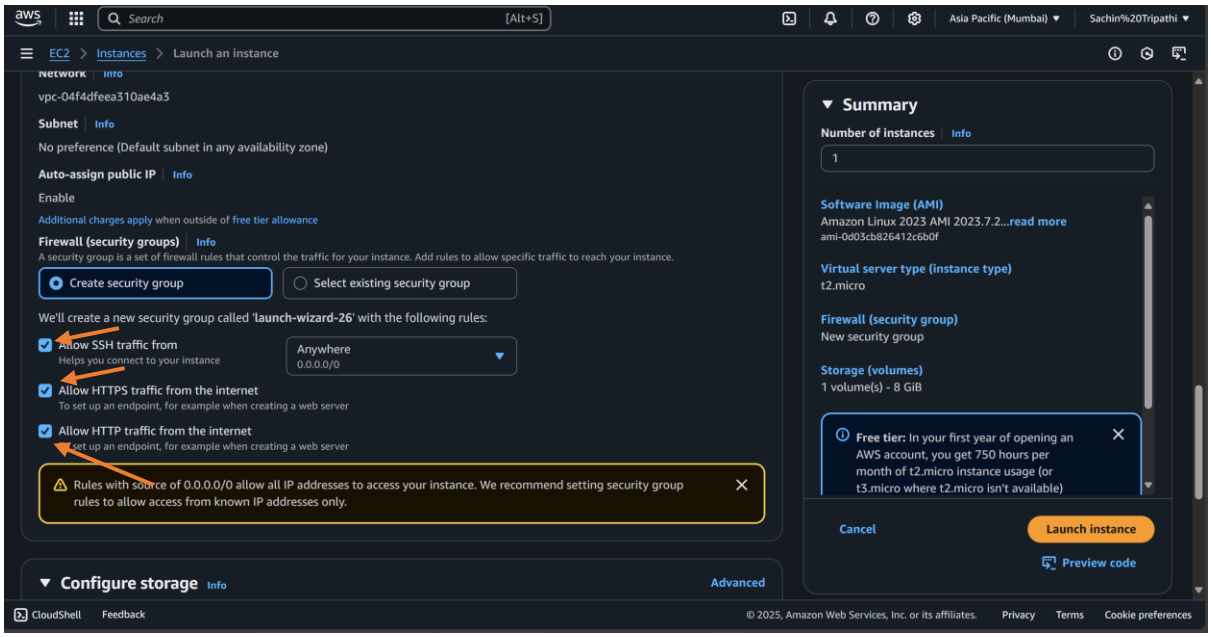

Key pair (login) Info
You can use a key pair to securely connect to your instance. Ensure that you have access to the selected key pair before you launch the instance.
Key pair name - required
Proceed without a key pair (Not recommended)
Default value
Create new key pair
Network settings Info
Edit
Network Info
vpc-04f4dfeea310ae4a3
Subnet Info
t2.micro
Firewall (security group)
New security group
Storage (volumes)
1 volume(s) - 8 GiB
Free tier: In your first year of opening an AWS account, you get 750 hours per month of t2.micro instance usage (or t3.micro where t2.micro isn't available)
Cancel
Launch instance
Preview code


Search
[Alt+S]
Asia Pacific (Mumbai)
Sachin%20Tripathi
EC2 > Instances > Launch an instance
Create key pair
Key pair name
Key pairs allow you to connect to your instance securely.
mykeypair
The name can include up to 255 ASCII characters. It can't include leading or trailing spaces.
Key pair type
RSA
RSA encrypted private and public key pair
ED25519
ED25519 encrypted private and public key pair
Private key file format
.pem
For use with OpenSSH
.ppk
For use with PuTTY
When prompted, store the private key in a secure and accessible location on your computer. You will need it later to connect to your instance. Learn more
Cancel
Create key pair
Instance type Info | Get advice
Key pair (login) Info
Network settings Info
Launch instance
Preview code
CloudShell
Feedback
© 2025, Amazon Web Services, Inc. or its affiliates.
Privacy
Terms
Cookie preferences


mykeypair.pem
Open file
See more
in%20Tripathi
Summary
Number of instances
Info

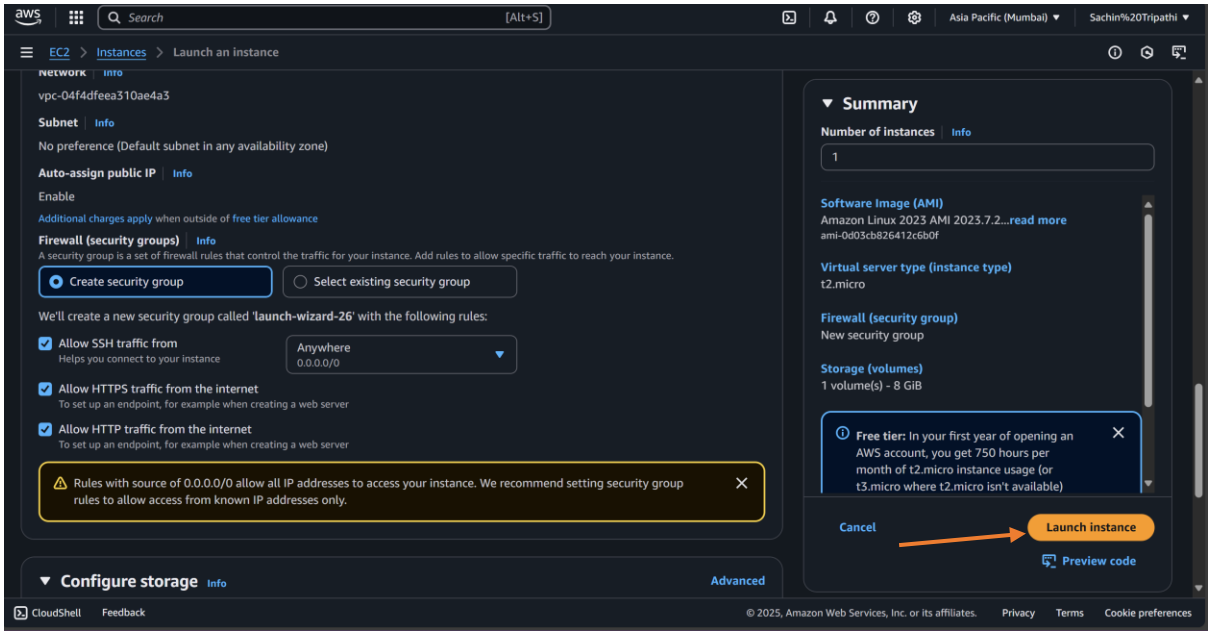
Step 8:-

- Click on port SSH, HTTP, HTTPS.

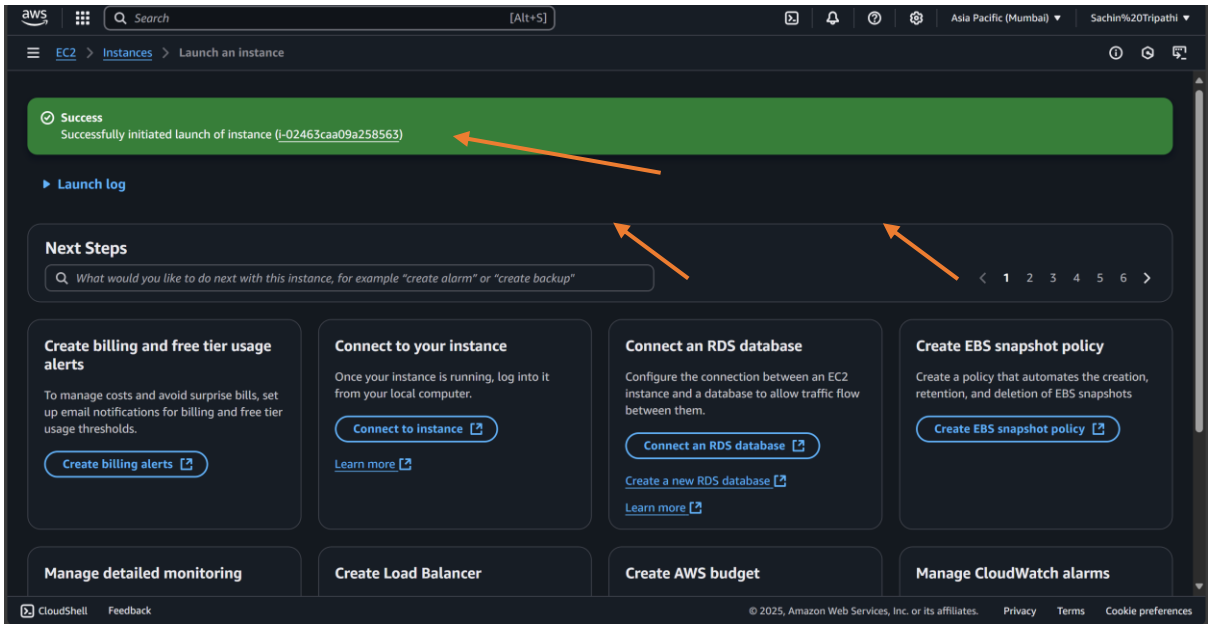


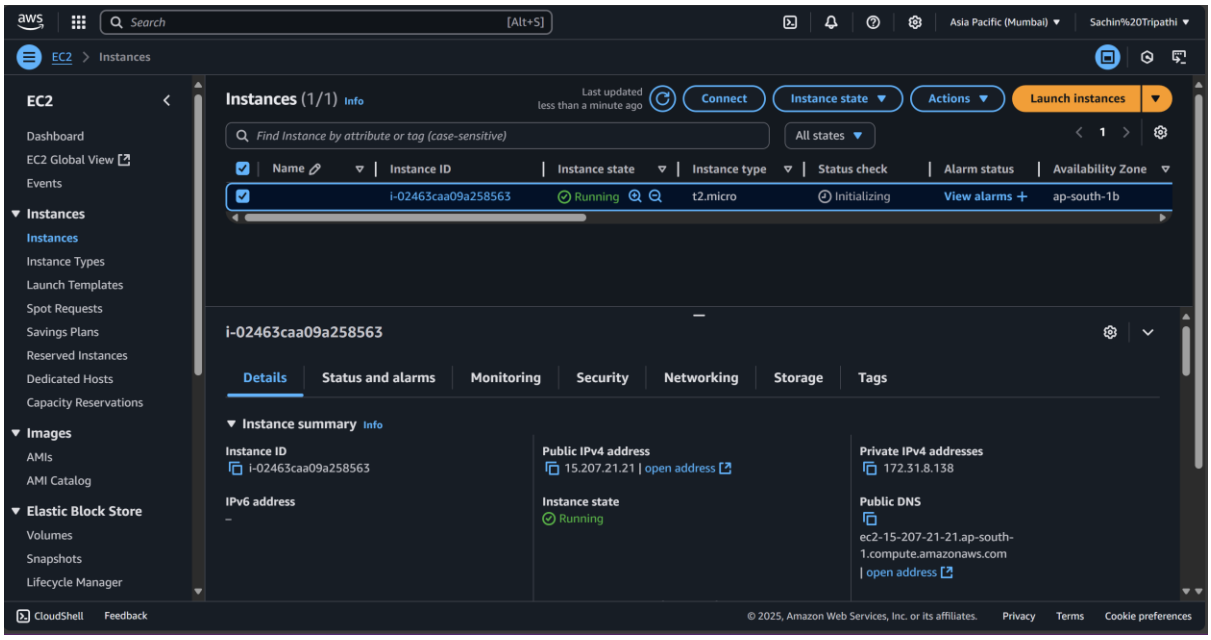
Step 9:-

- Launch Instances.



Final Result:-

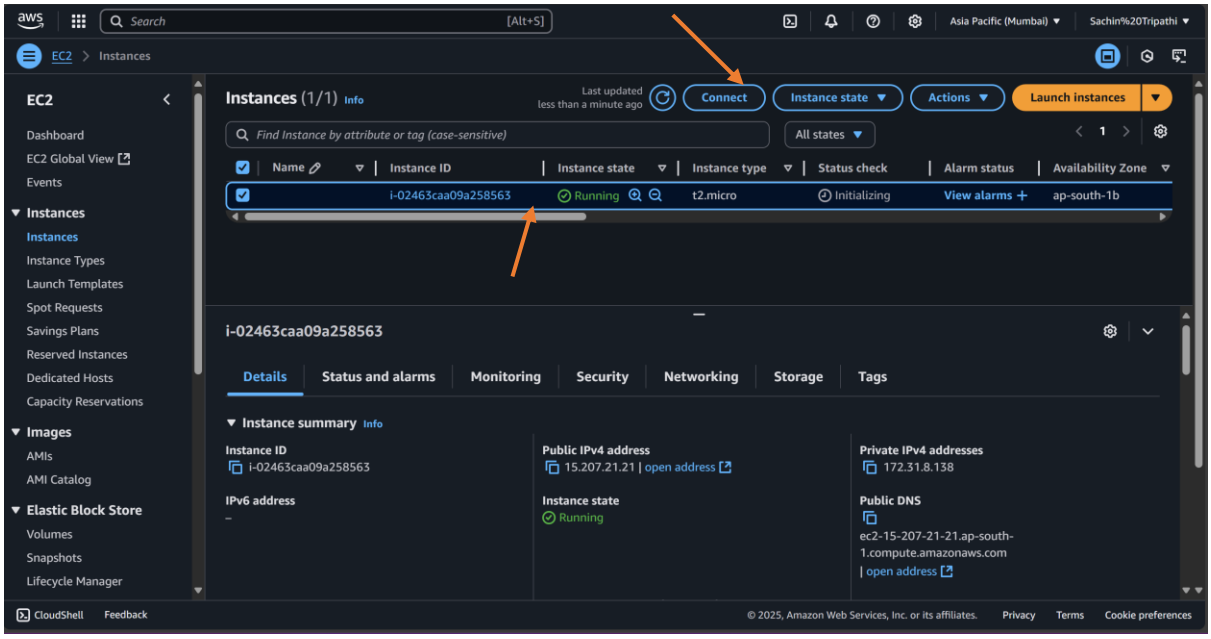




Connecting to the server:-

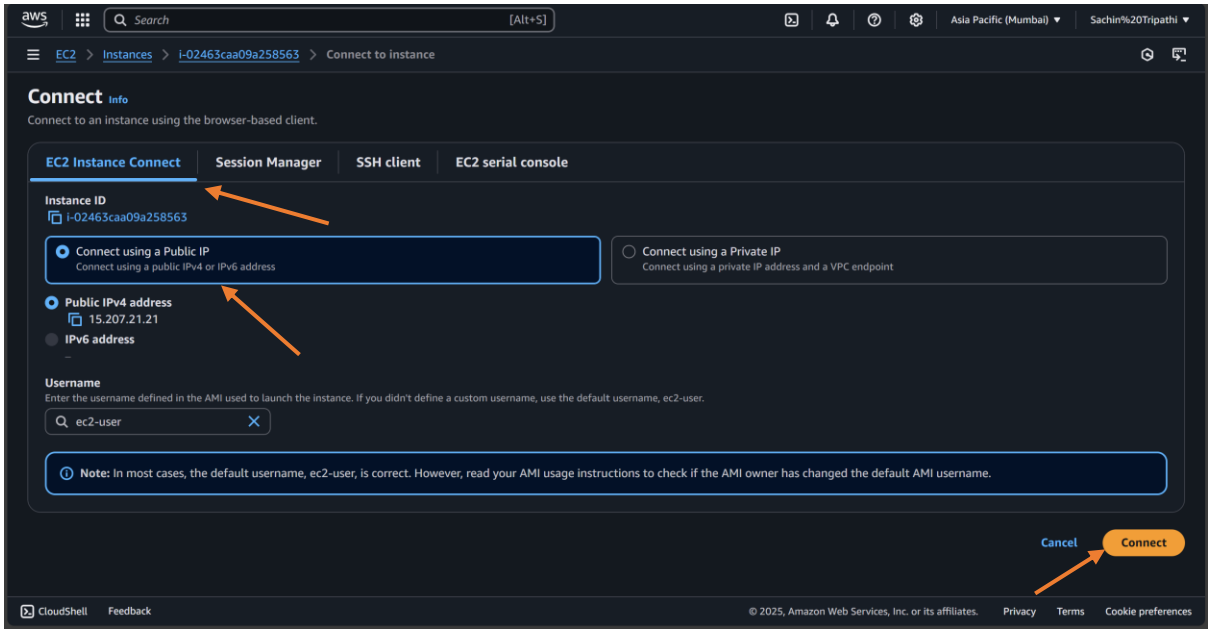
Step 1:-

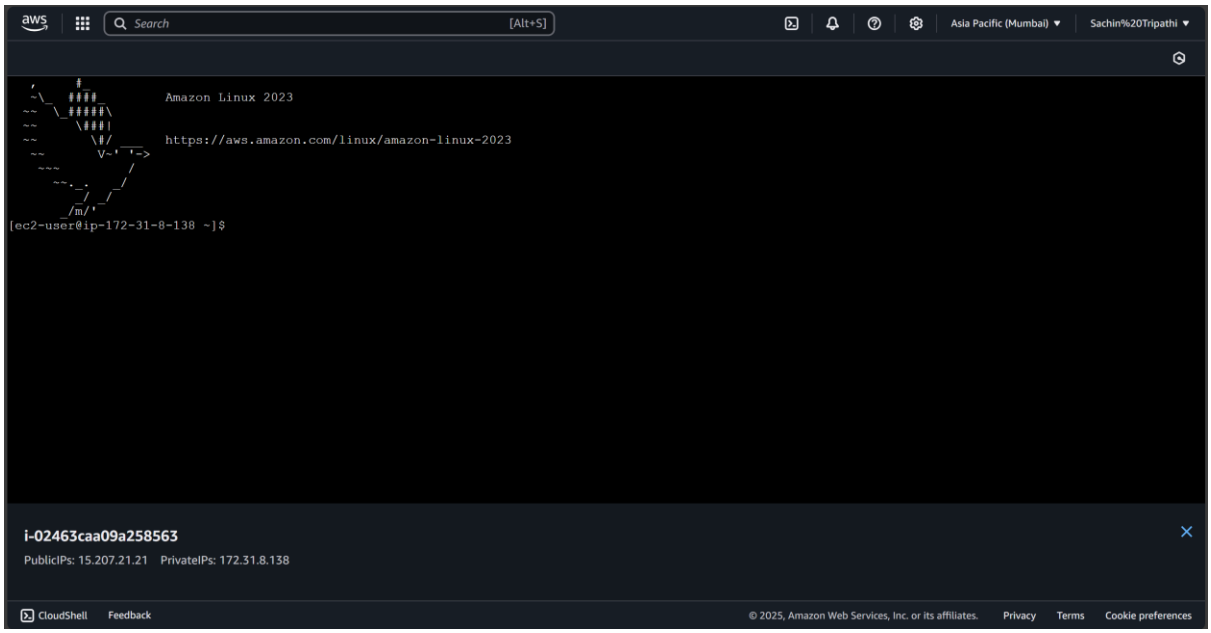
- Select the instances.
- Click on connect.



Step 2:-

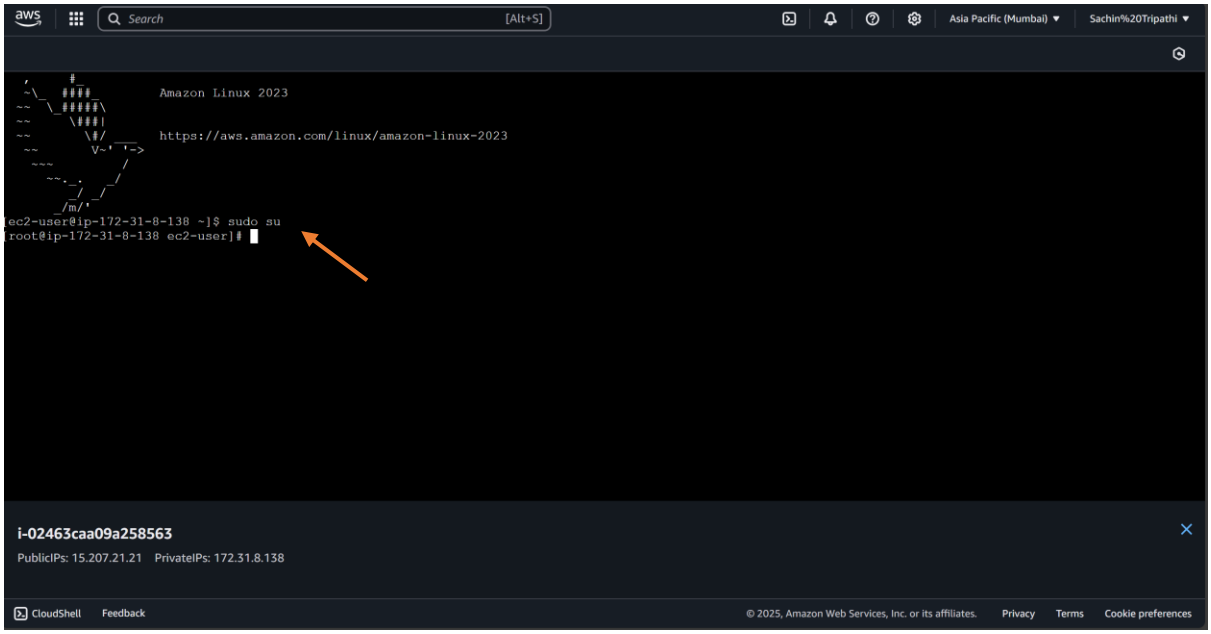
- Select EC2 instances connect.
- Select Connect Using a Public IP.
- Click on Connect.





Step 3:-

- Write “sudo su” for changing to root user.

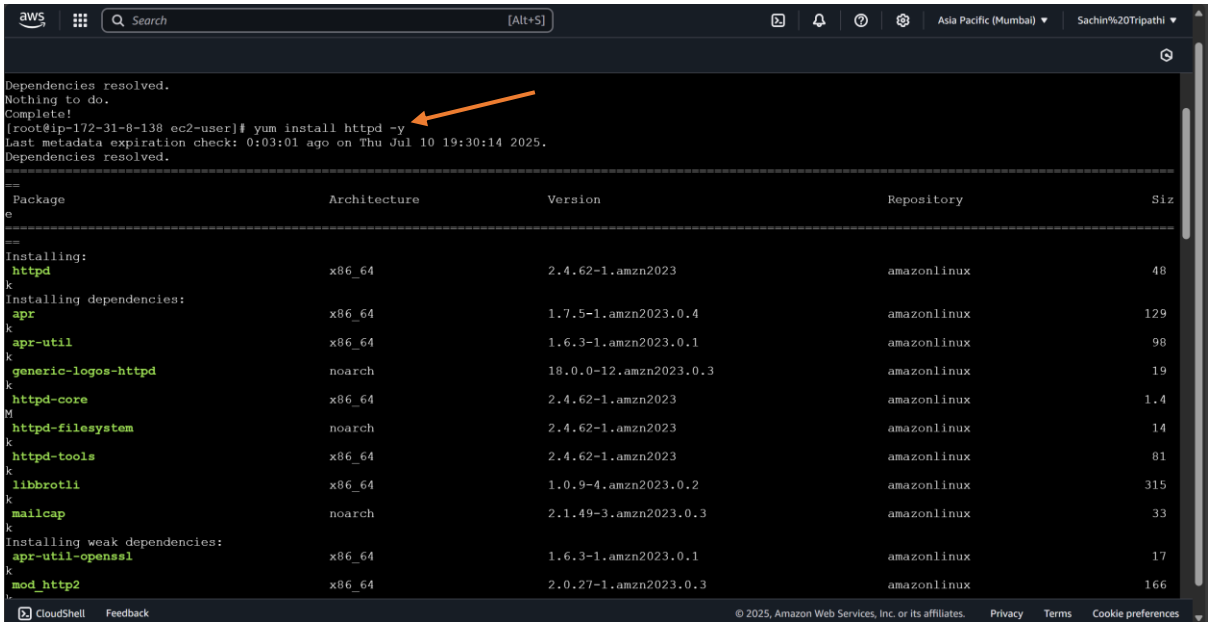


Step 4:-

- Write command for check update “yum update -y”.

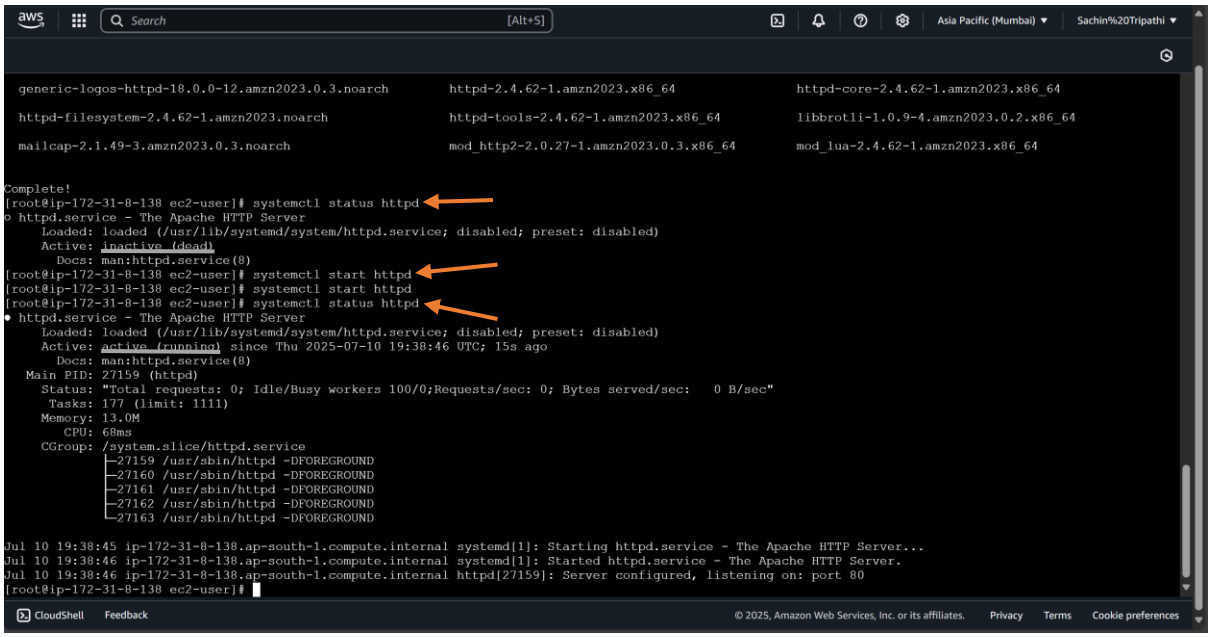
Step 5:-

- Write command “yum install httpd -y” to install httpd.



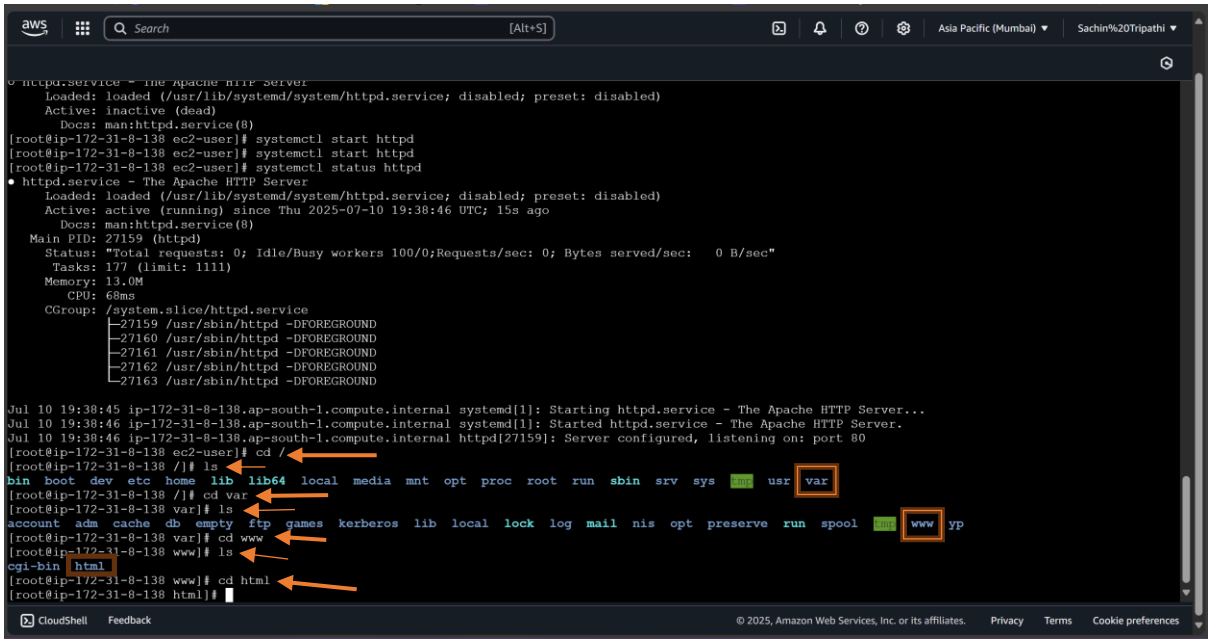
Step 6:-

- Command for check status “systemctl status httpd”.
- If inactive or dead .
- Then run command “Systemctl start httpd”.



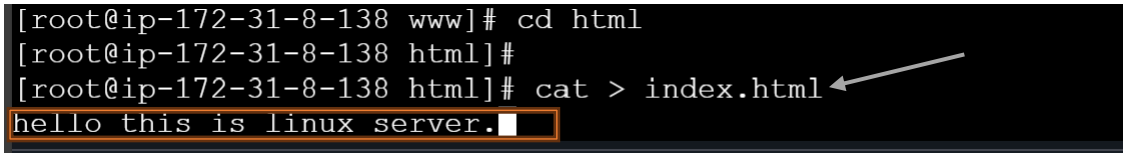
Step 7:-

- Run command “cd /” to change directory “C”drive .
- Run “ls” to show the list of files in “C” drive.
- Run “cd var” to change directory to var.
- Run “ls” to show the list of files in var.
- Run “cd www” to change directory to www.
- Run “ls” to show the files in www.
- Run “cd html” to change directory to html.
- OR all above command run in one line
  “cd /var/www/html”.



Step 8:-

- Run command “cat > index.html”.
- Write anything in this. It will show on browser.



Step 9:-

- Click “enter” and then “ctrl+d”.

```
[root@ip-172-31-8-138 www]# cd html
[root@ip-172-31-8-138 html]#
[root@ip-172-31-8-138 html]# cat > index.html
hello this is linux server.
[root@ip-172-31-8-138 html]#
```

Finally:-

- Goto the instances .
- Select instances .
- Copy “**Public IPv4 address**”.
- Then paste on browser and search.