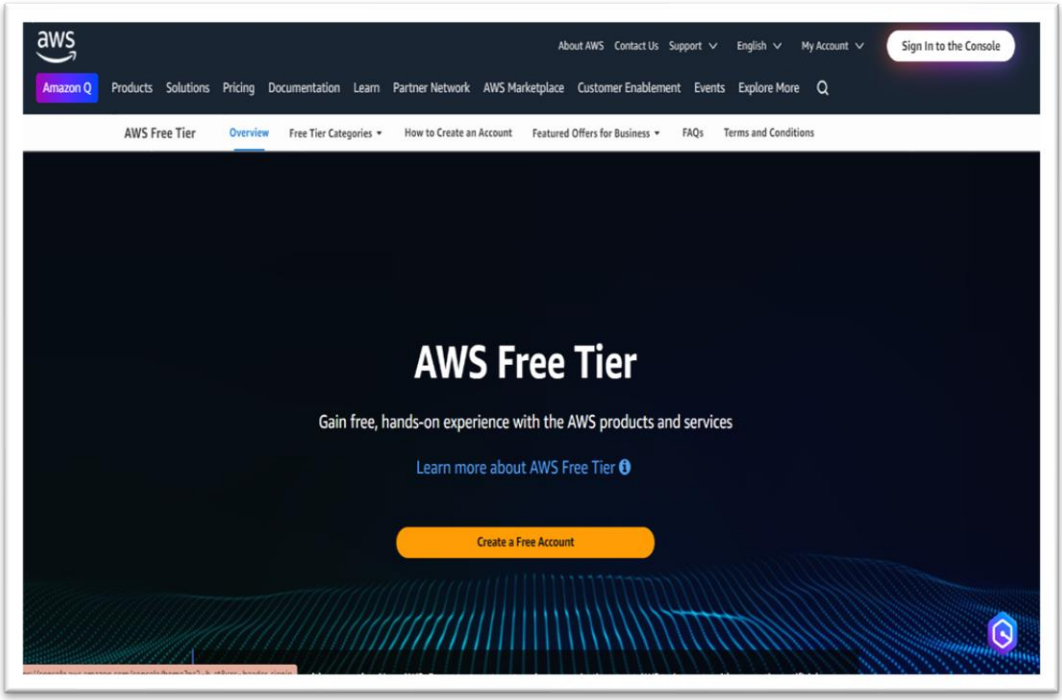
AWS Documentation

No:-	Documentation of performed task
1.	Signing into AWS console & Creating Ec2 instance.
2.	Installing Nginx and launching web server.
3.	Creating AMI (Amazon Machine Image).
4.	Launching template.

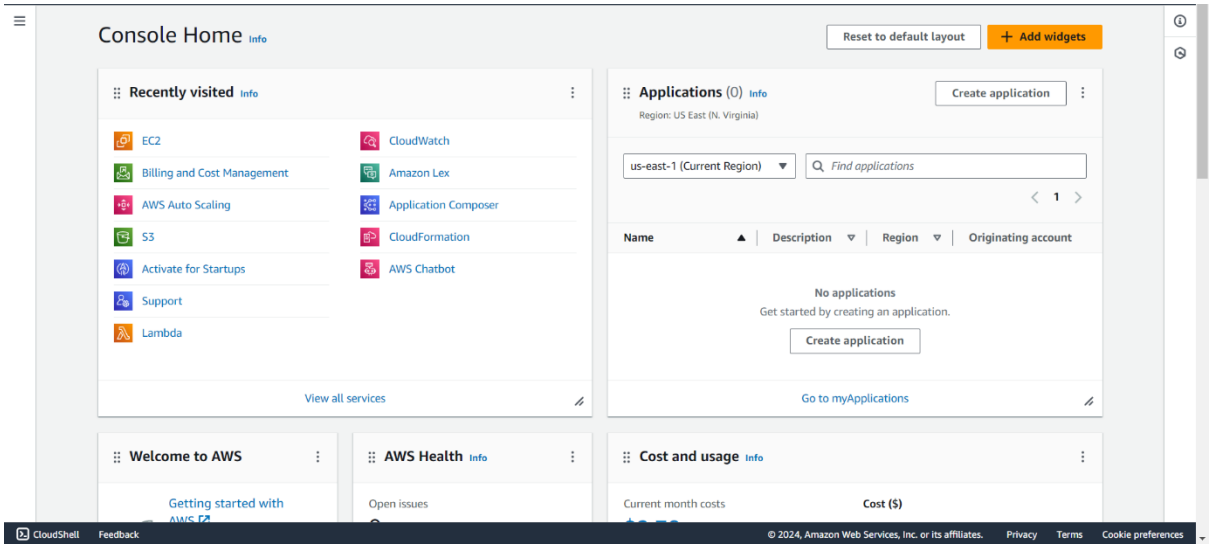
1. Signing into AWS console & Creating Ec2 instance.

- In this step we are first opening AWS website and after clicking on the link then click on signing on console.

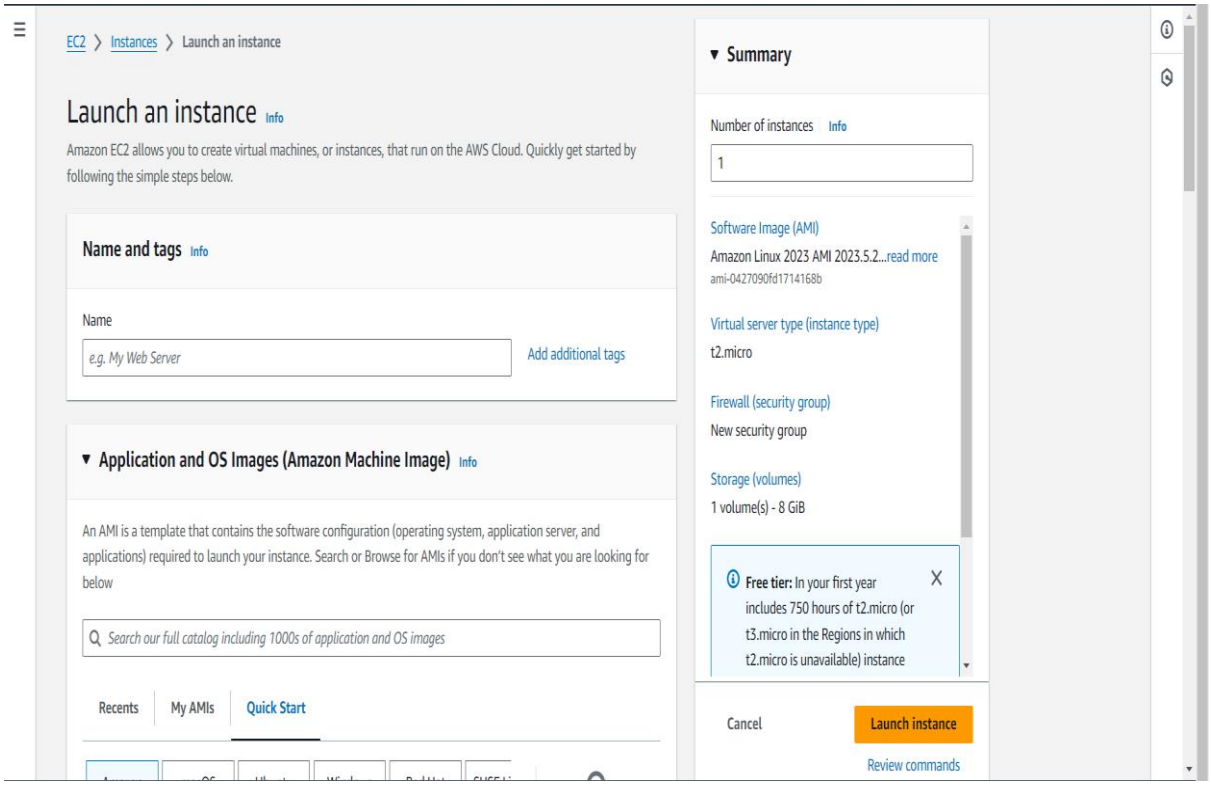


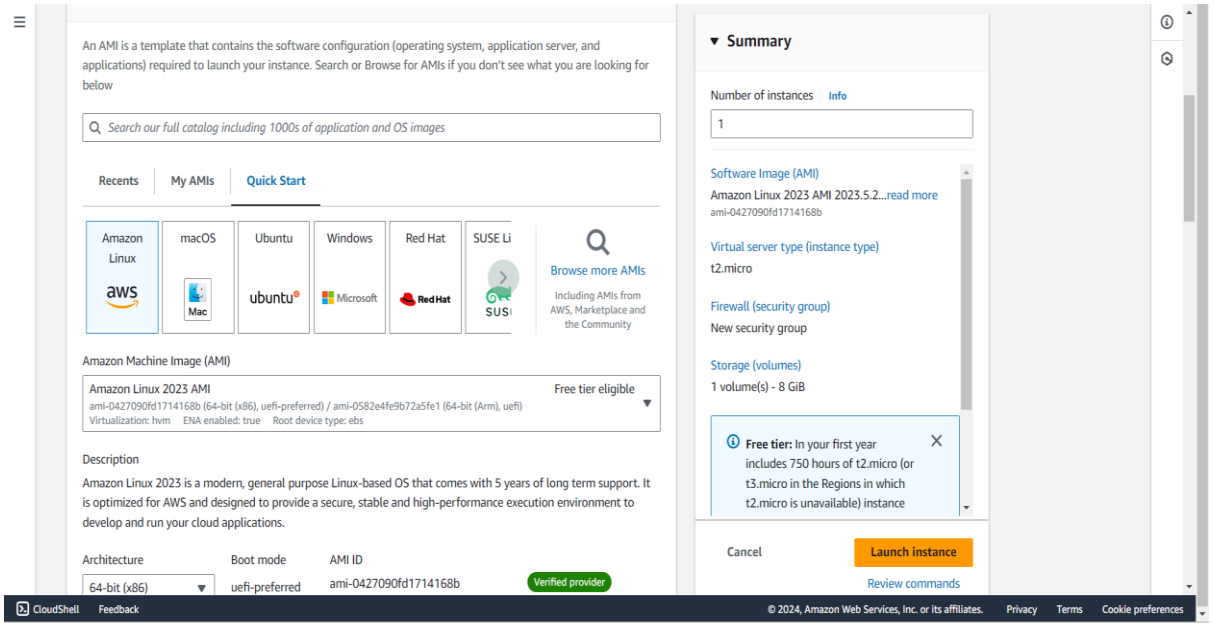
- Enter Email ID and password.

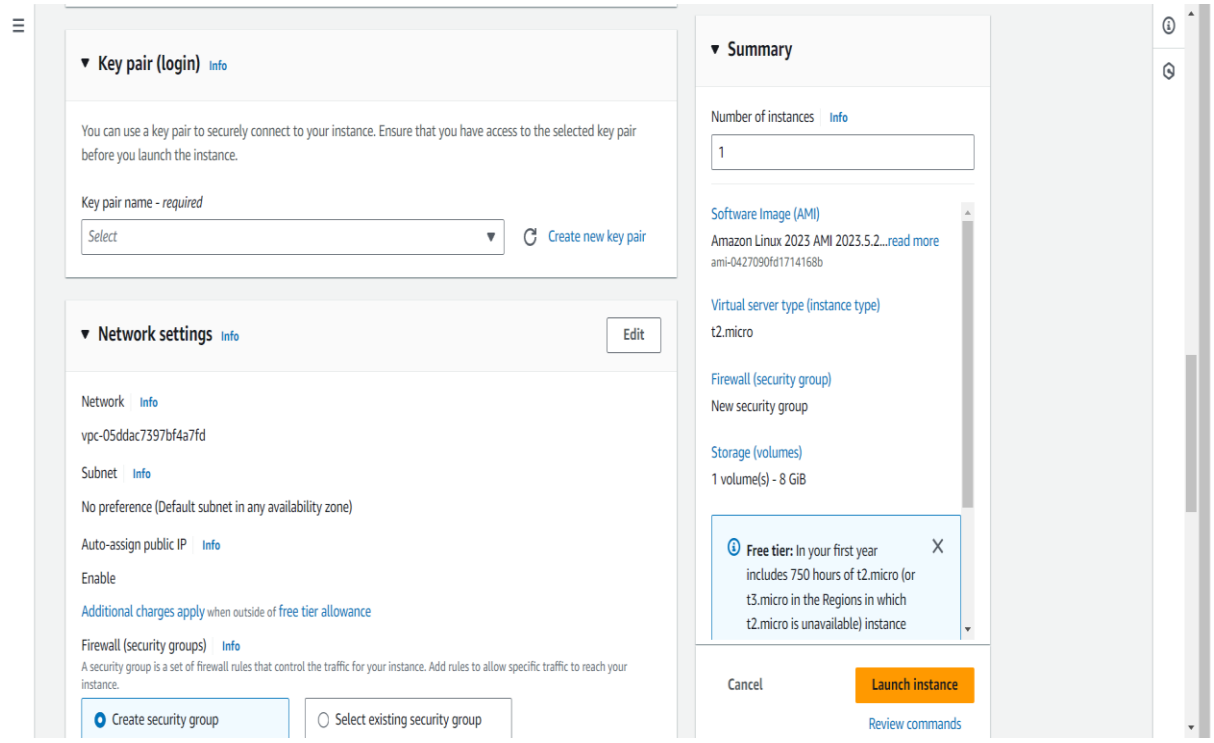
- Click on EC2 service



- Click on Launch instance and enter webserver name, which machine want to create, create key value pair and we can also change network settings as per convenience.







- Click on Launch instance and it will redirect to panel which having basic information of EC2 instance server. It will include information like

  1.Instance Name

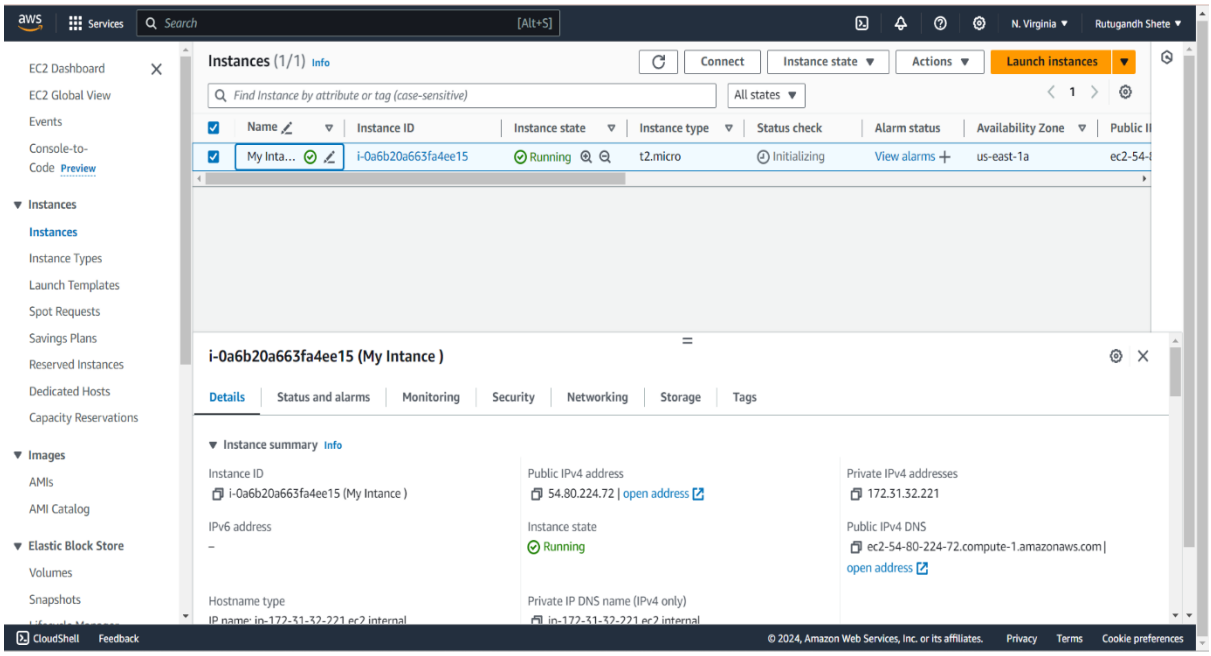
  2.ID

  3.Instance state

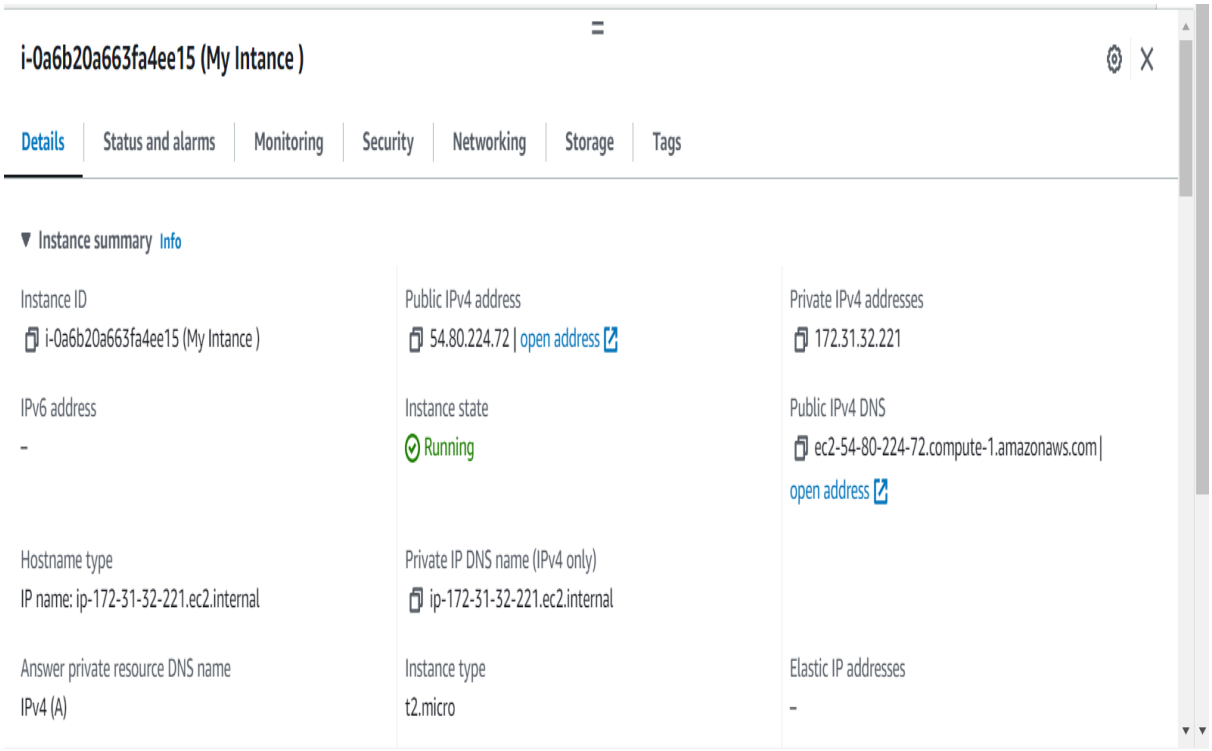
  4.Instace type

  5. Status check

Etc.



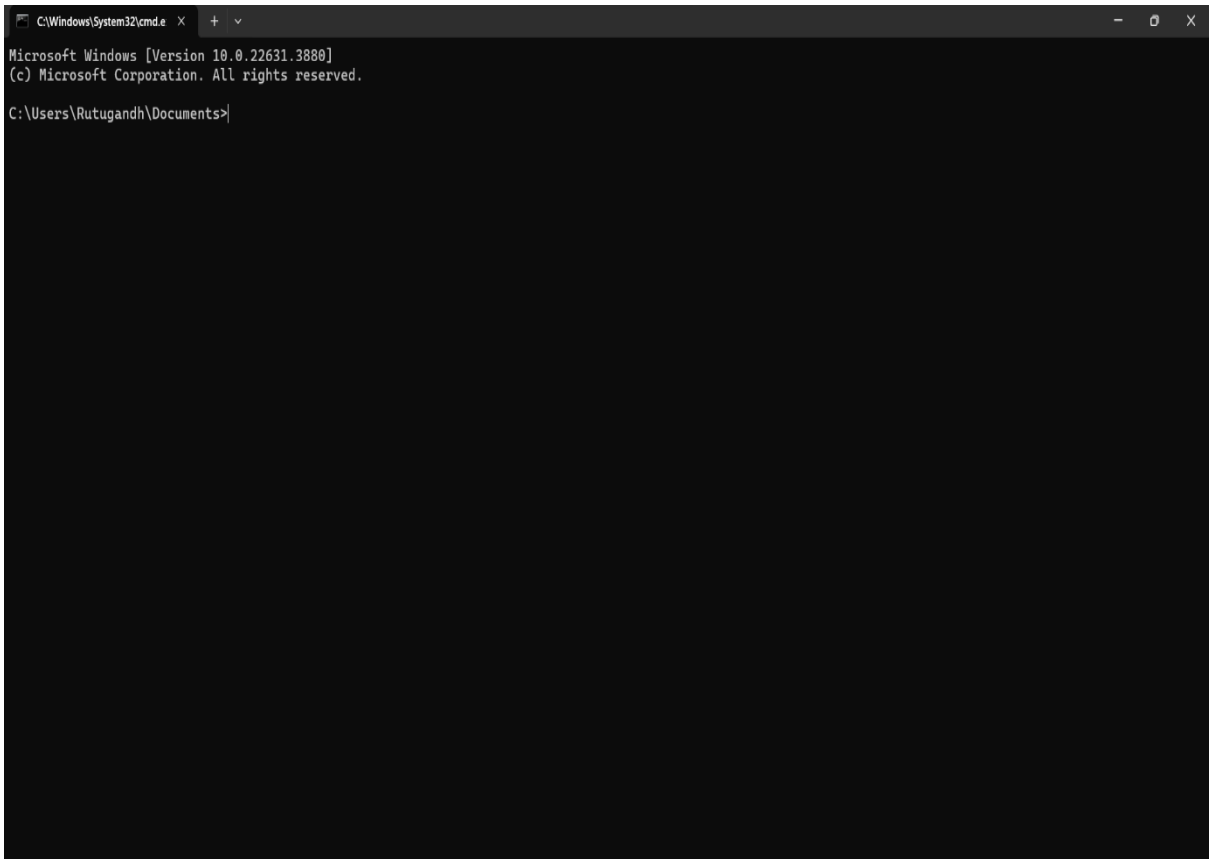
- If we click on instance server then we can see information private/public IP address , hostname type , VPC ID , AMI ID etc.



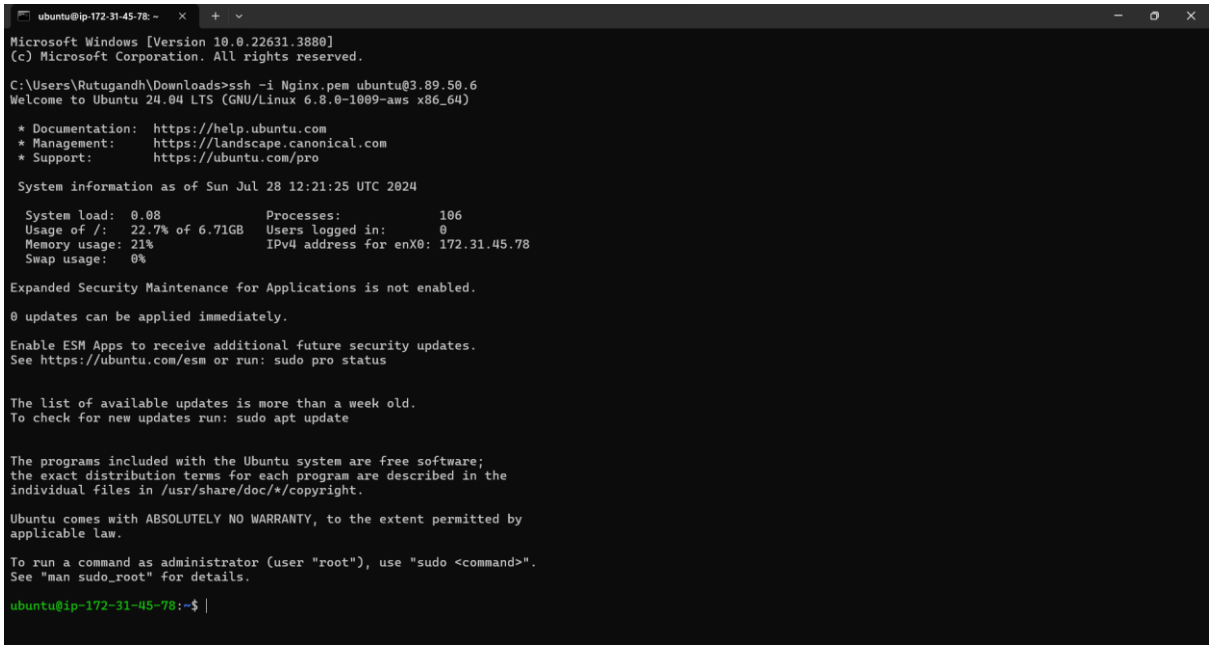
2. Installing Nginx and launching web sever.

- We have successfully created instance in previous task now we can connect it with out local termnial which is installed in Windows .
- For connection we can use command

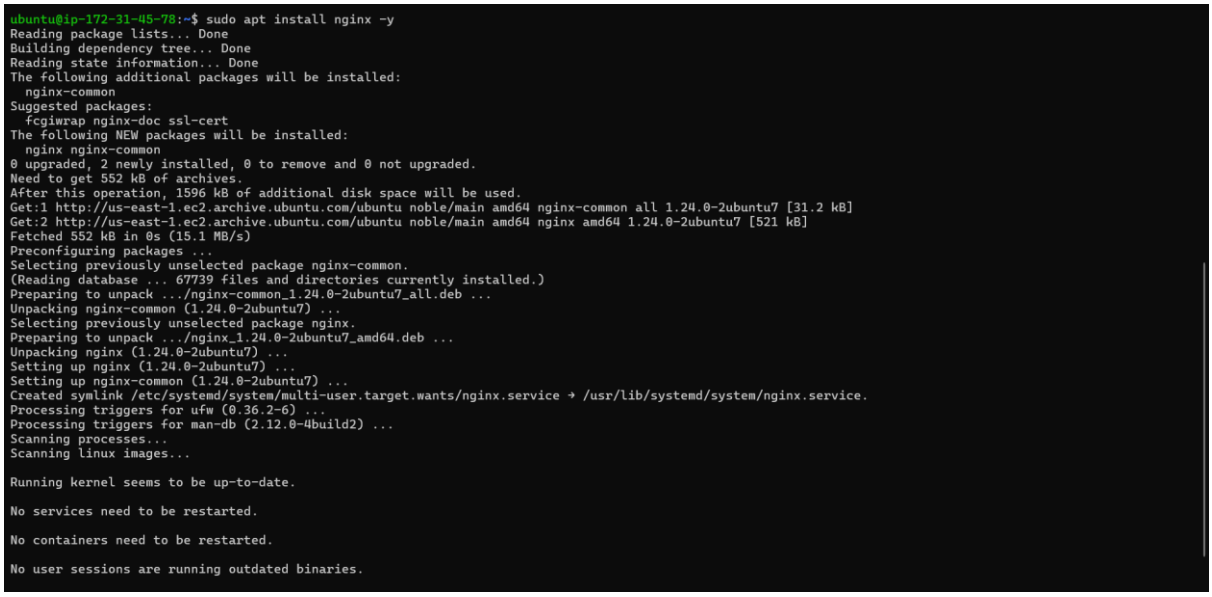
  “ssh -i key_name.pem ubuntu@public IP”
- Before connection terminal will look like



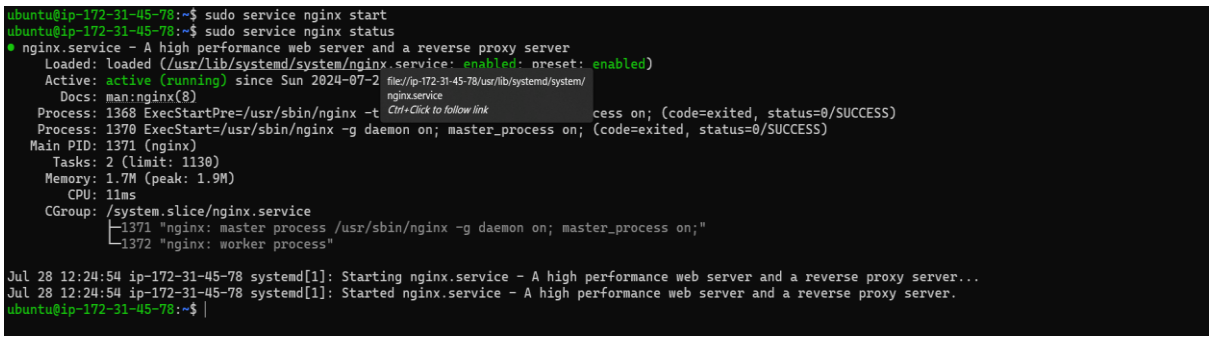
- After connection terminal will look like



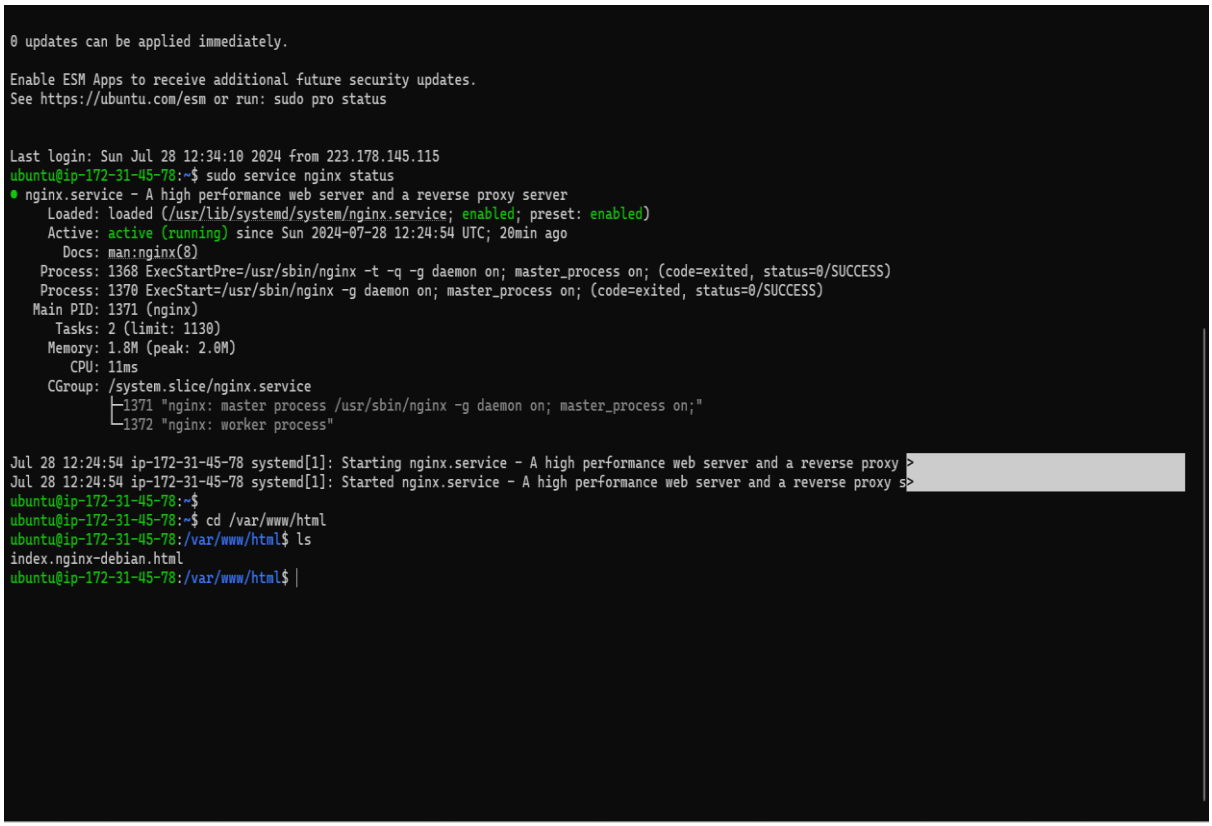
- Install Nginx in it and start Nginx server.



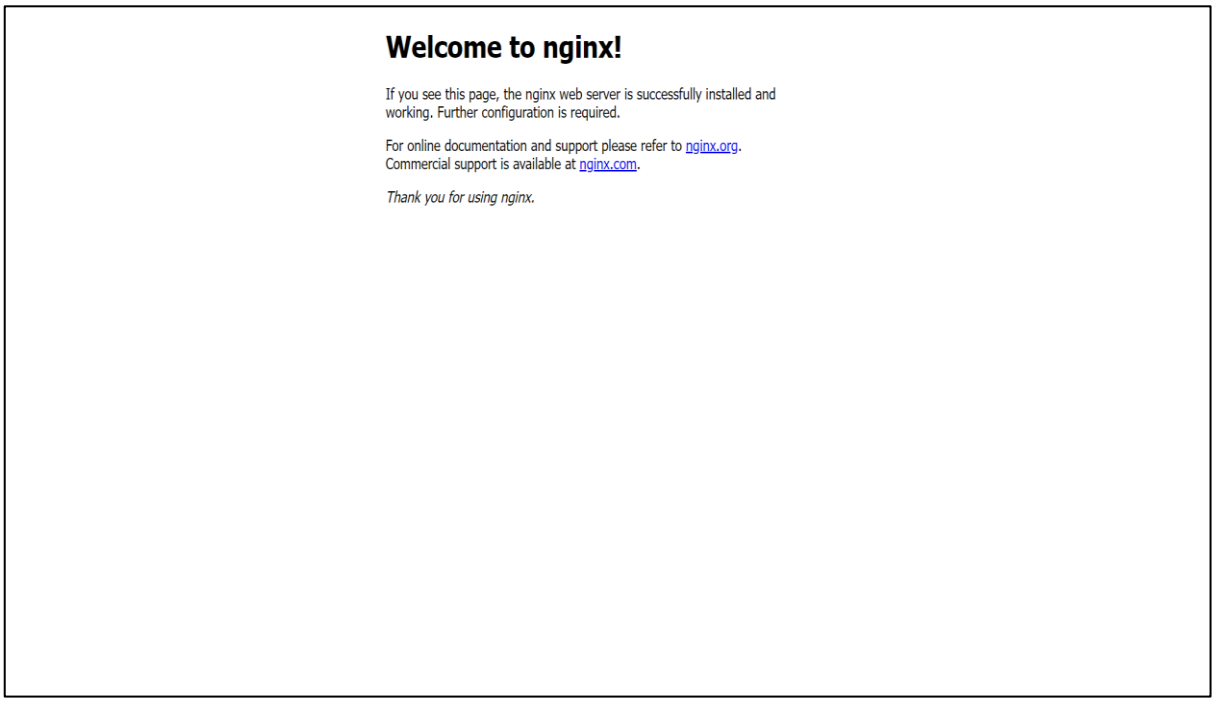
- Start Nginx service and check status.



- Locate Nginx html file and edit it using vim editor.

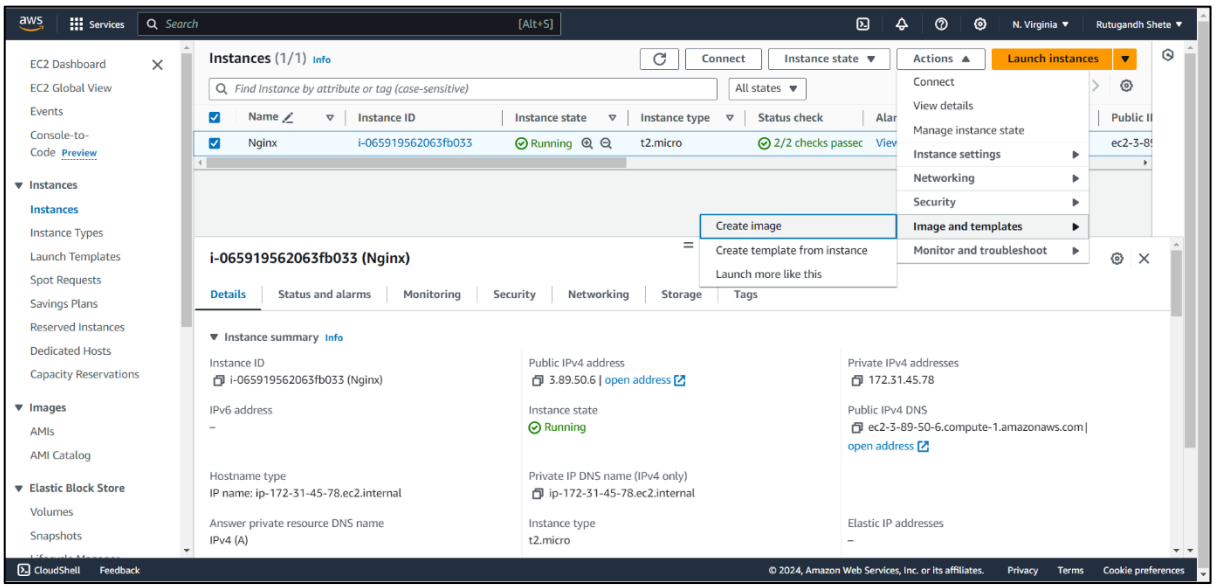


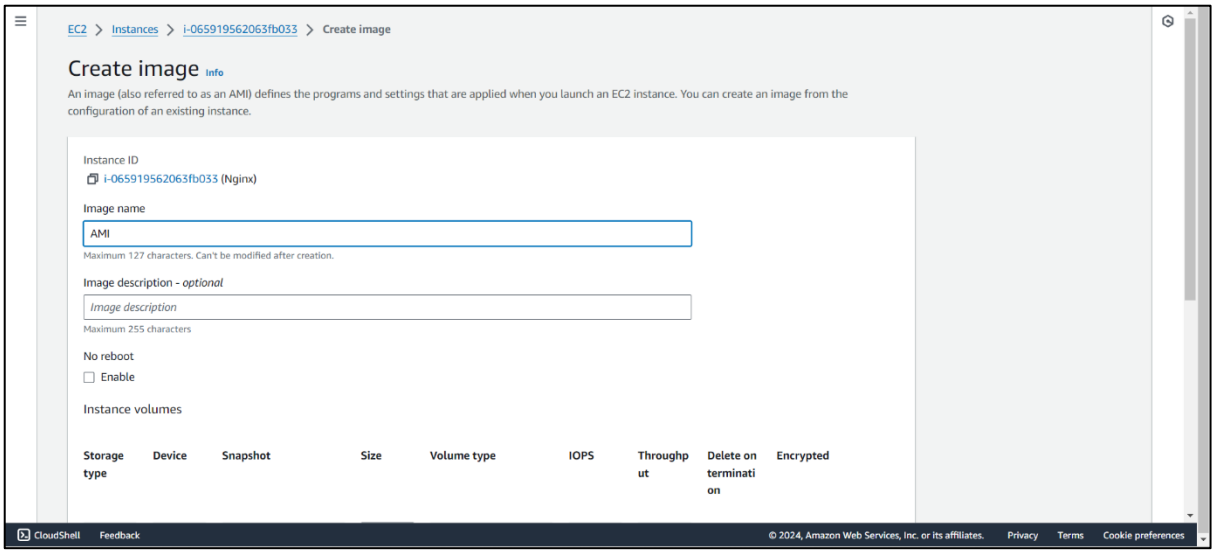
- By pasting public IP on tab we can see result of html file .



3.Creating AMI (Amazon Machine Image)

- AMI is Amazon machine image.
- AMI is pre-configuration.
- Pre-configuration helps us to mount pre default settings/files/directories.
- Create 1-EC2 instance-→Action state →Create Image→Launch Image.

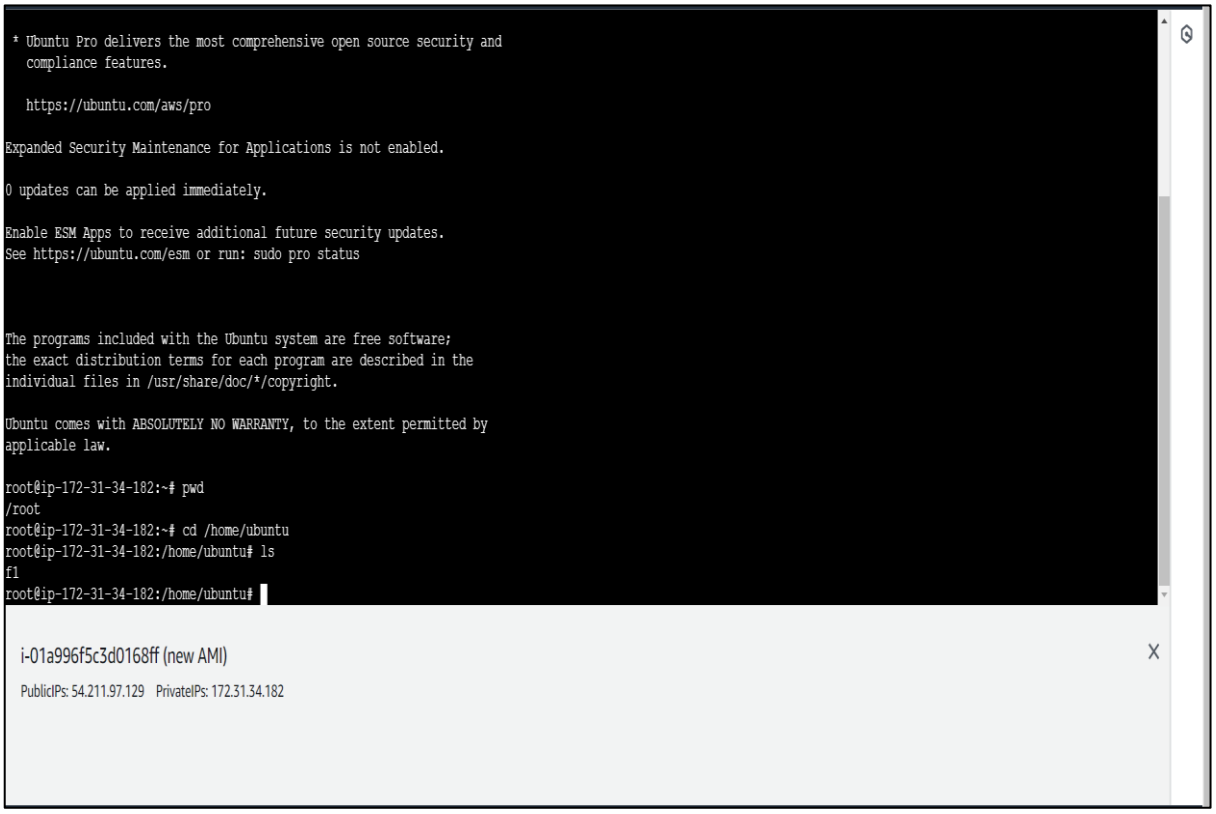


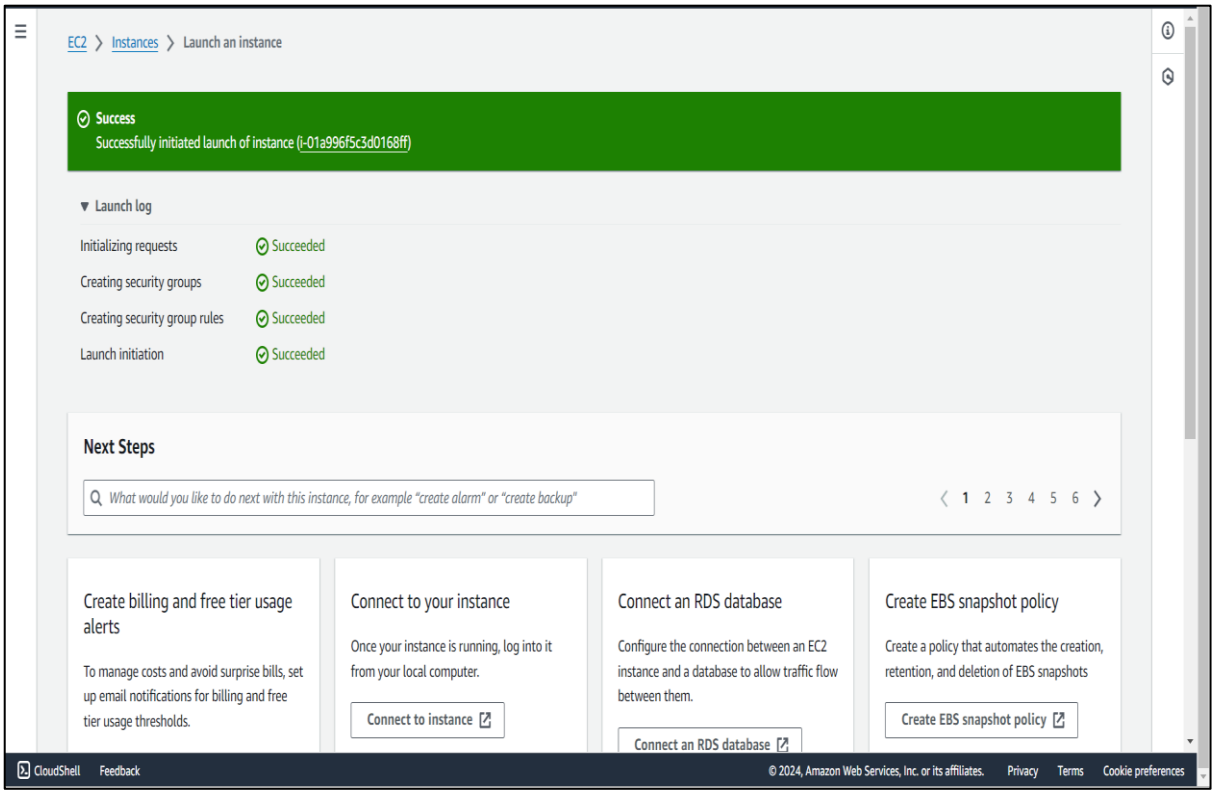


- In 1-EC2 instance we have created file “f1”, same configuration can be used in 2-EC2 instance.

- While creating another instance 2-EC2 we can give use AMI that we have created in 1-EC2 instance.

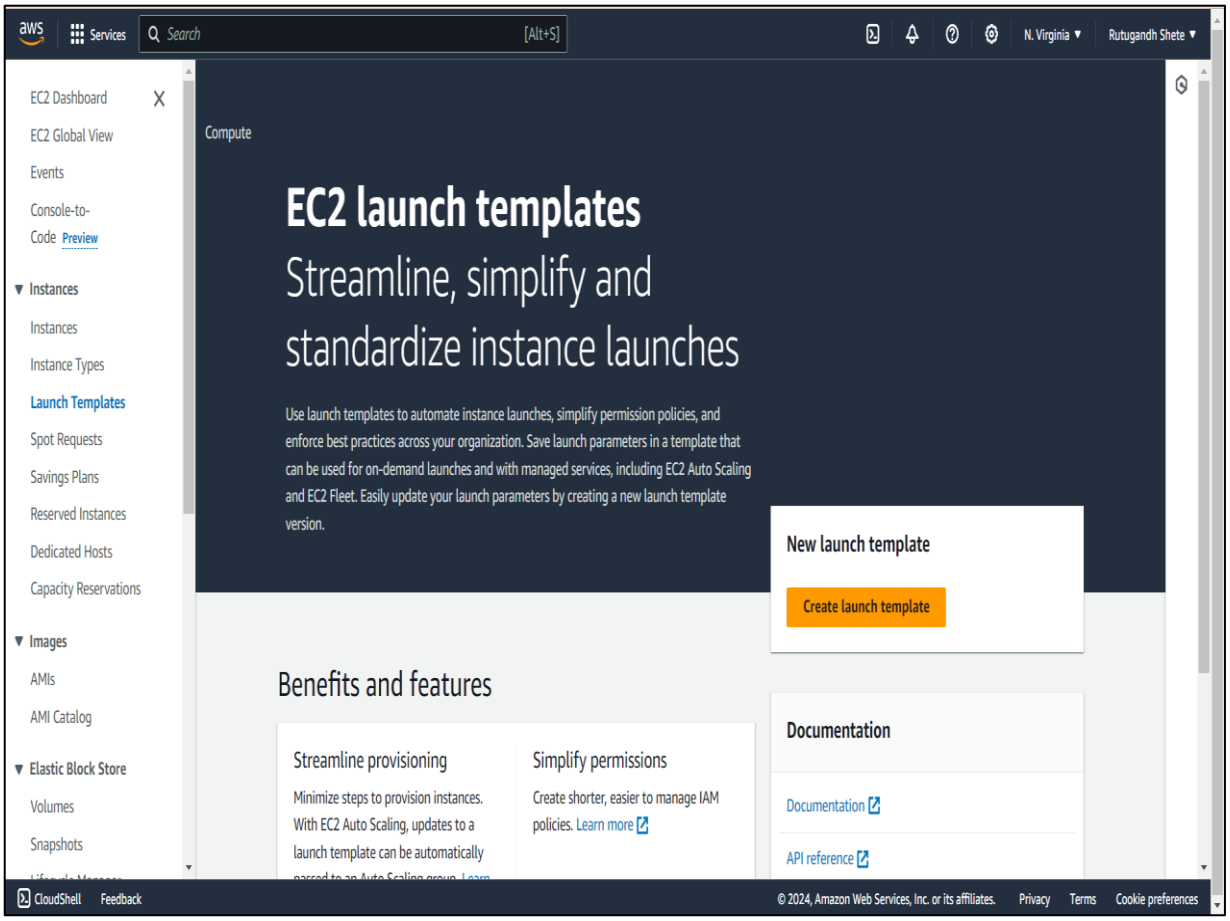
- Pre-configuration





4.Launching template

- Click on "Launch Templates" in the left-hand menu and select "Create launch template."
- Fill in the required fields such as template name, version description, and instance configuration (AMI, instance type, key pair, security groups).



- Review the settings and click "Create launch template" to save your configurations.