Amazon EC2-

Amazon Elastic Compute Cloud is a web service that provides secure, resizable compute capacity in the cloud.

Amazon EC2 provides cloud hosted virtual machines, called “instances”, to run applications.

To launch a instance:

Step-1: Choose an Amazon Machine Image

Step-2: Choose an instance type

Step-3: Configure instance

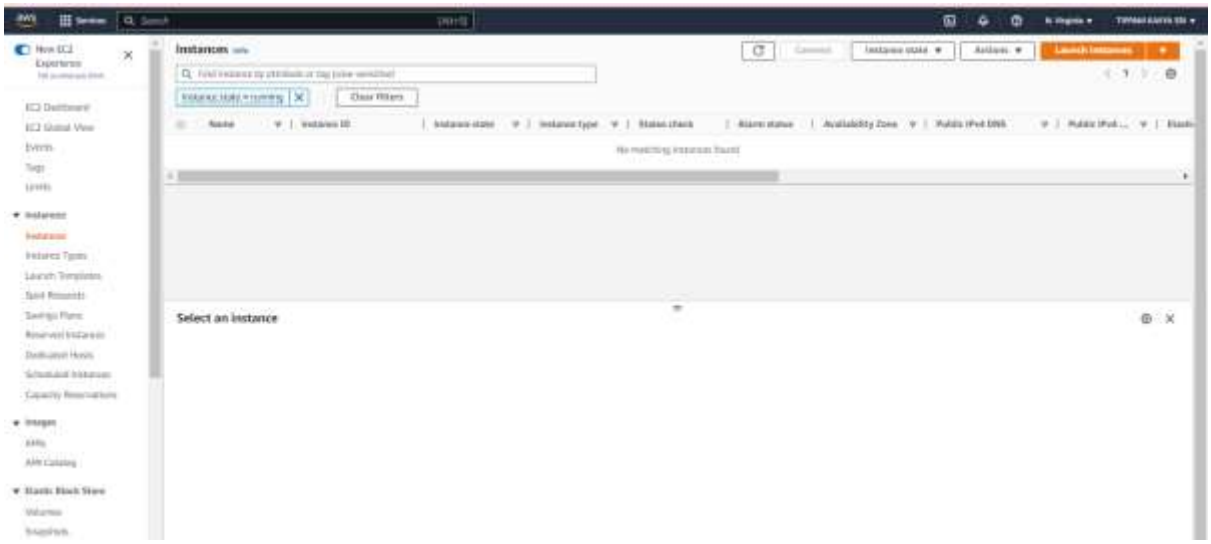
Step-4: Add storage

Step-5: Add tags

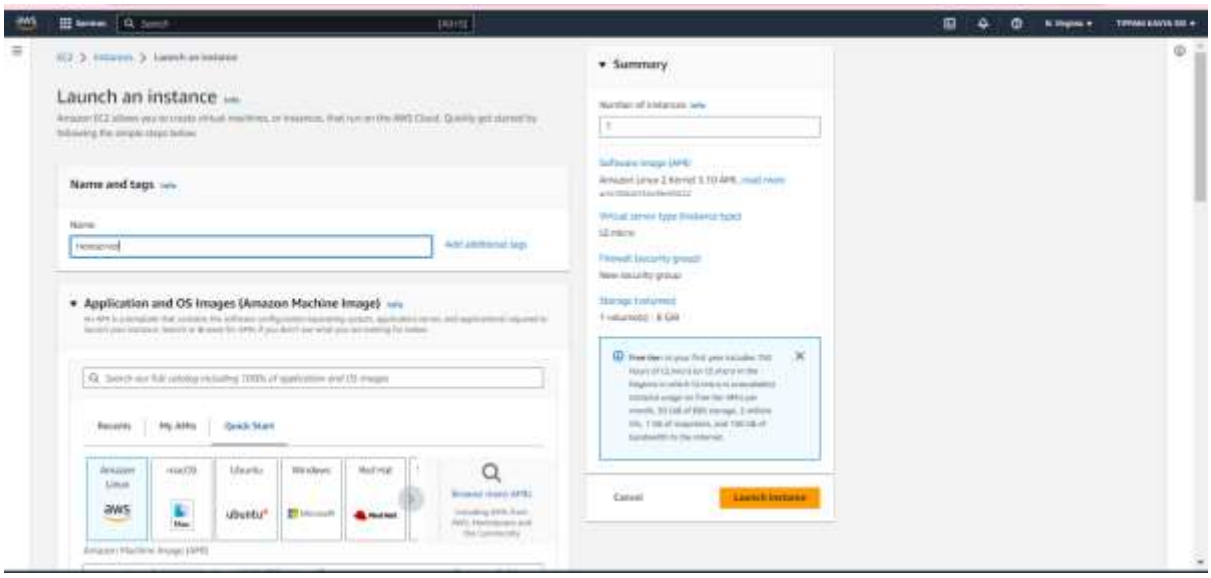
Step-6: Configure security group

Step-7: review launch instance and select key pair

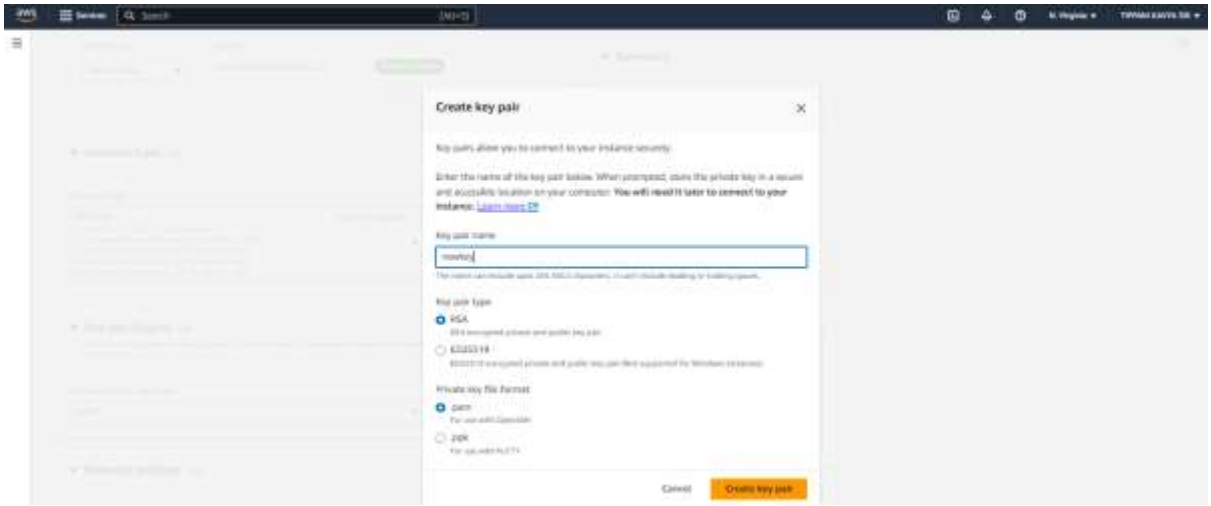
1.EC2 instance launch page

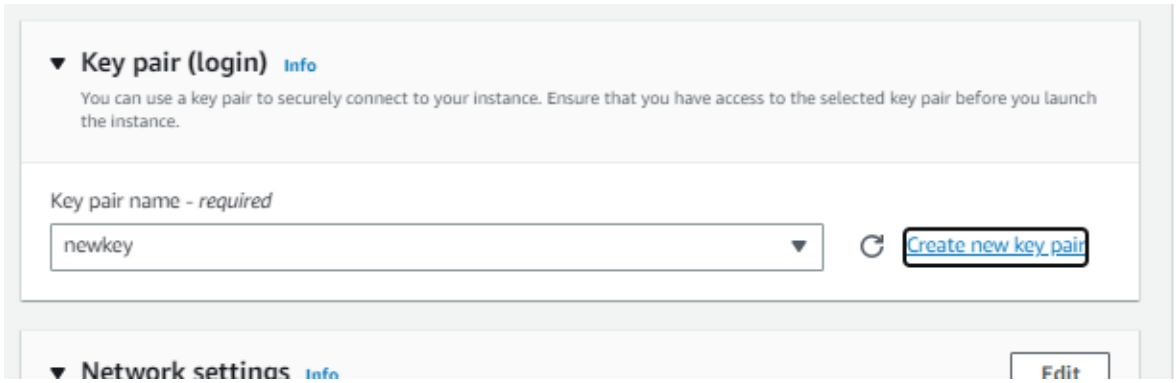


2.EC2 name and tag creation and also choose AMI

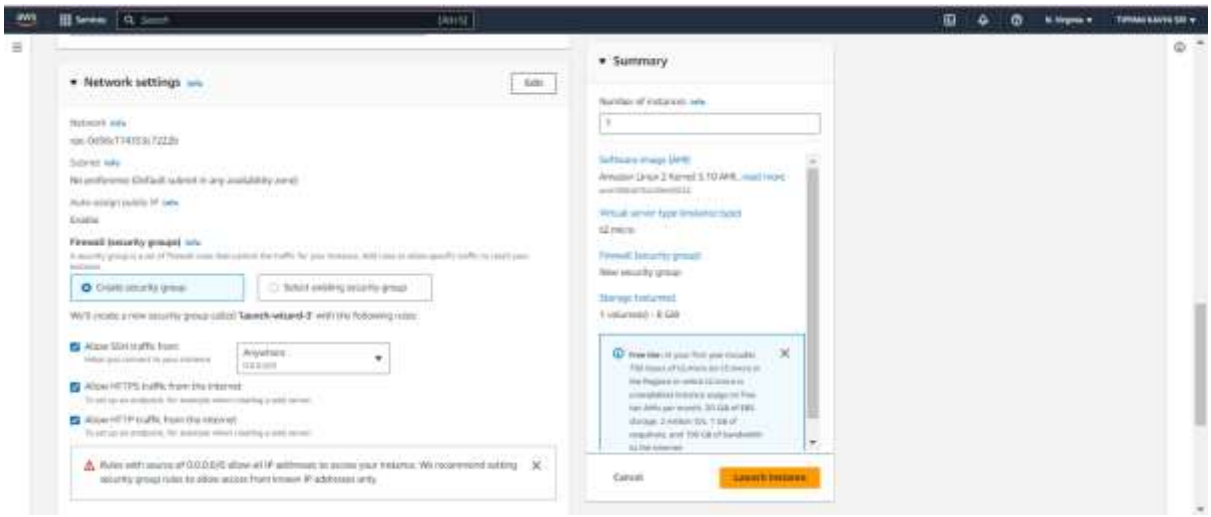


3.EC2 keypair selection

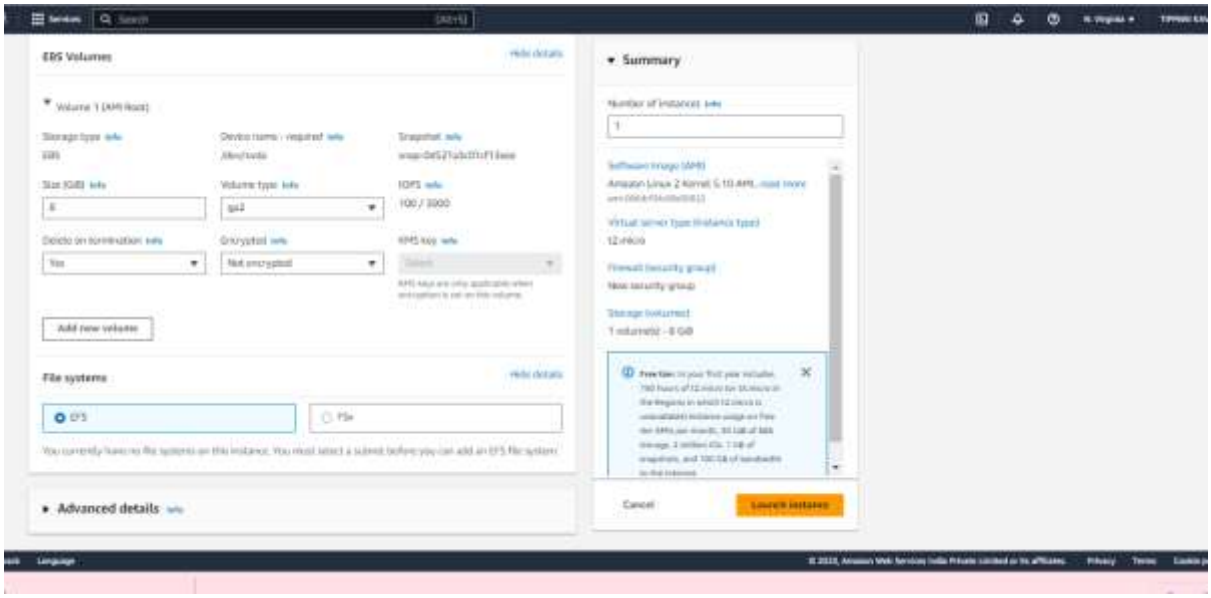




4. EC2 security group creation (SSH, HTTP, HTTPS) . EC2 VPC and subnet selection

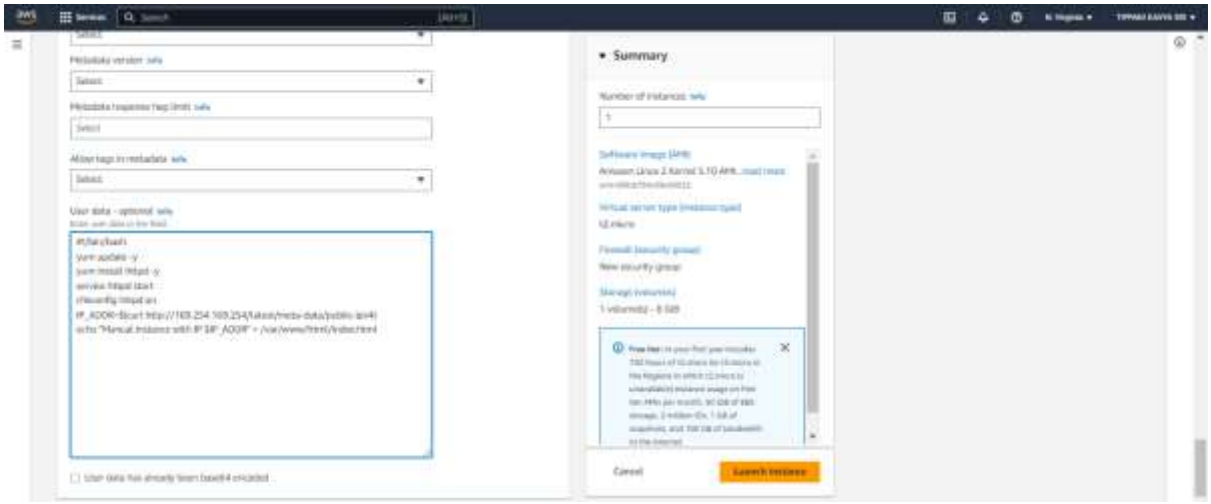


5. EC2 EBS volume selection

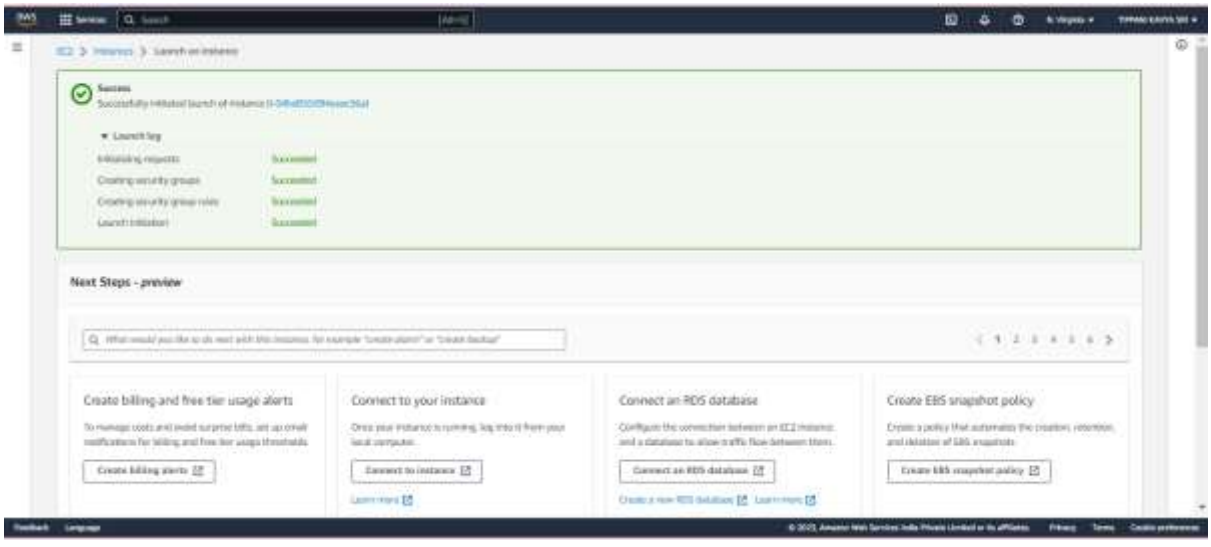


6. User data insertion page

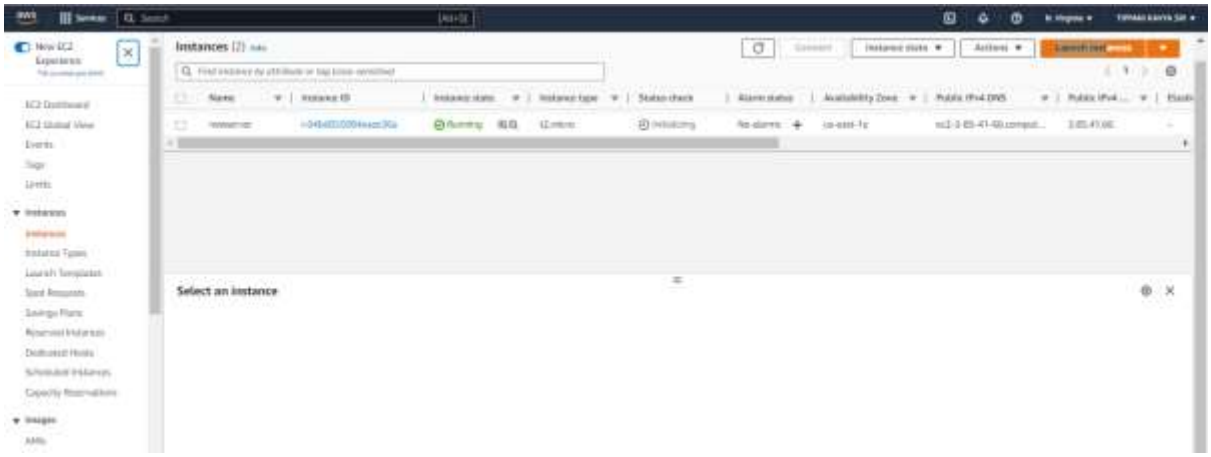
```
#!/bin/bash
yum update -y
yum install httpd -y
service httpd start
chkconfig httpd on
IP_ADDR=$(curl http://169.254.169.254/latest/meta-data/public-ipv4)
echo "Manual instance with IP $IP_ADDR" > /var/www/html/index.html
```



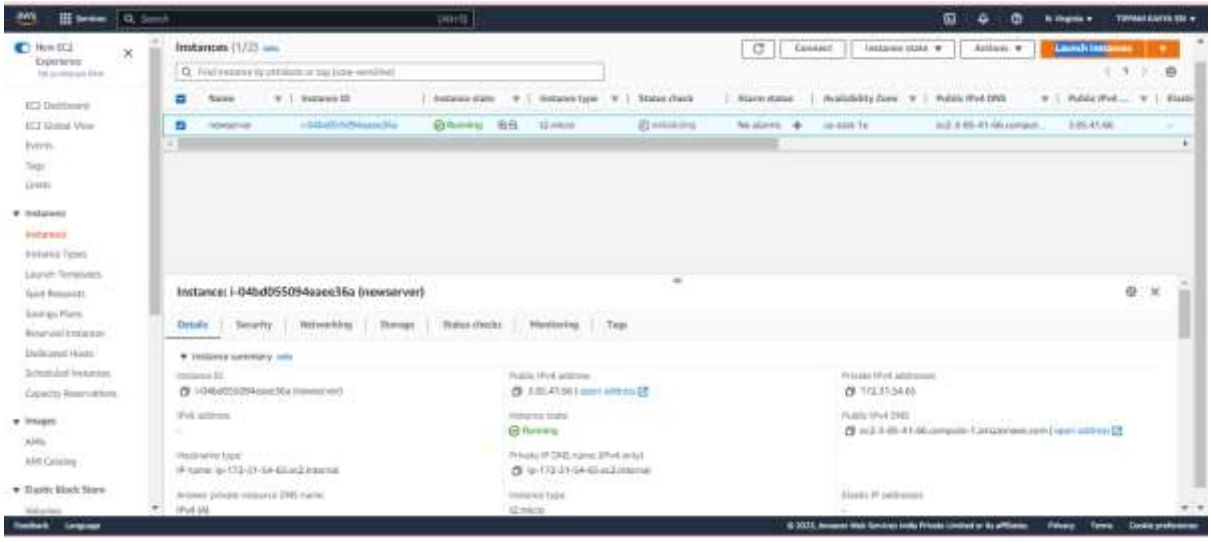
7. EC2 instance logs



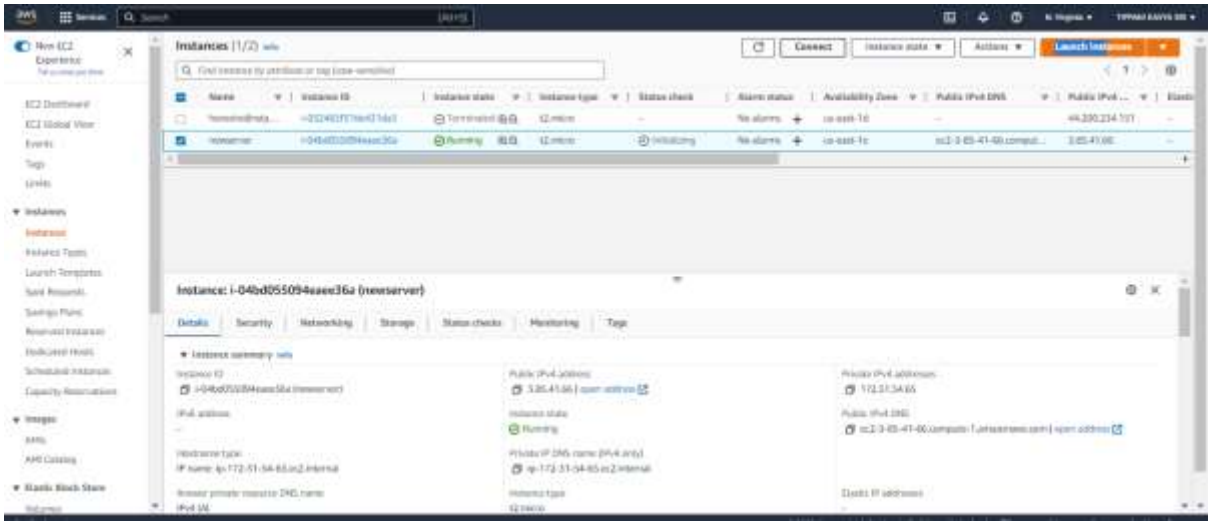
8. EC2 instance running state



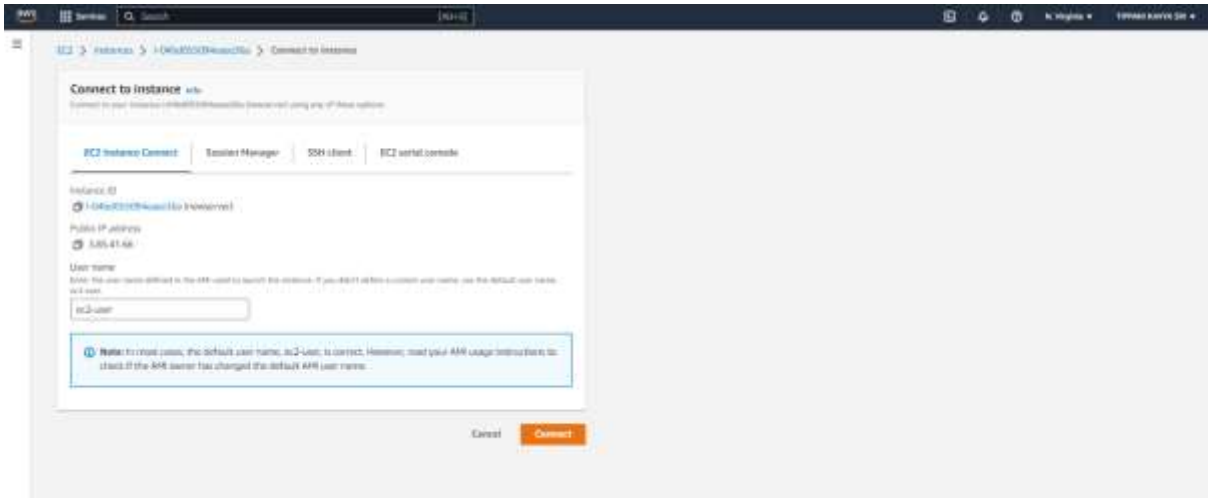
9.EC2 summary page with Public and Private IP

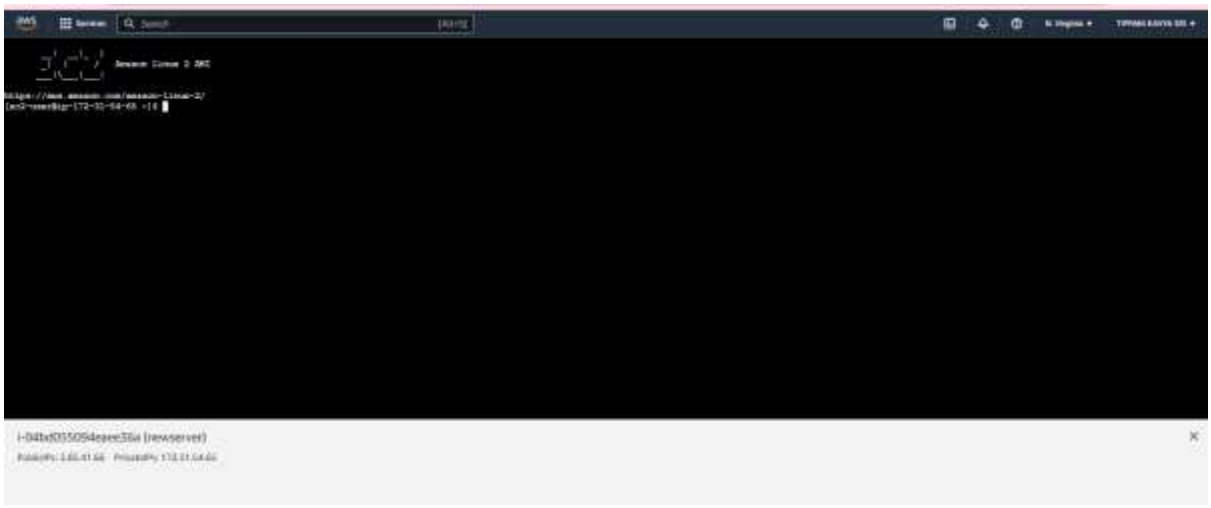


Installing a simple http web server



connect to the ec2 instance





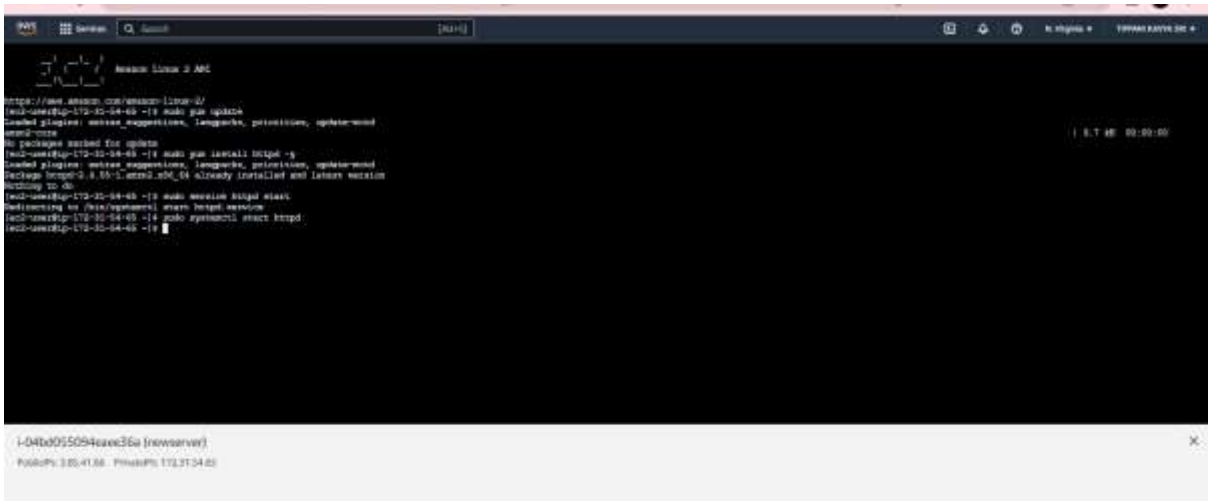
Commands:

->sudo yum update

->sudo yum install httpd -y

->sudo service httpd start

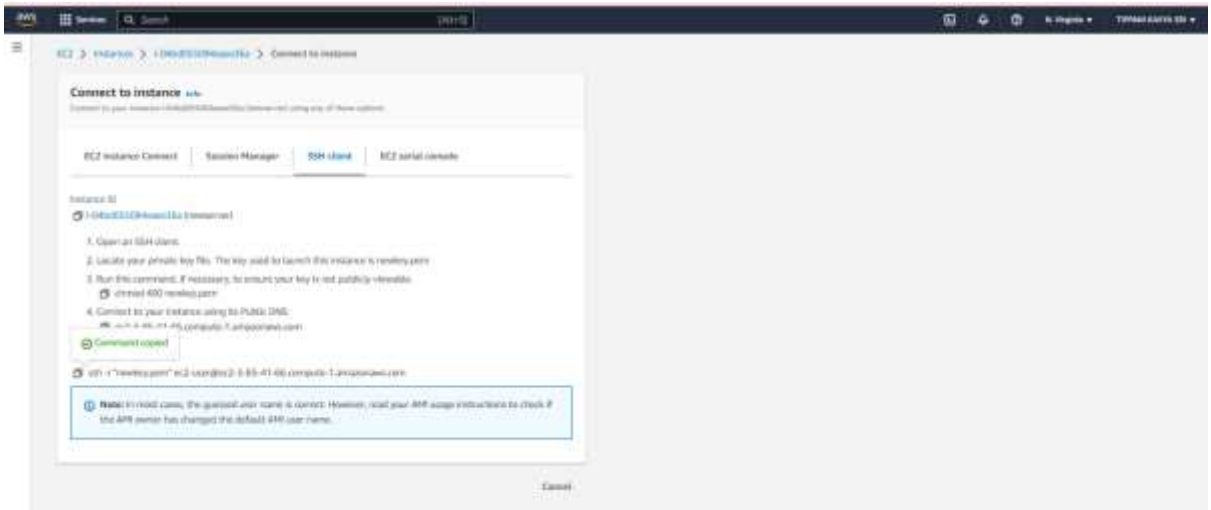
->sudo systemctl start httpd

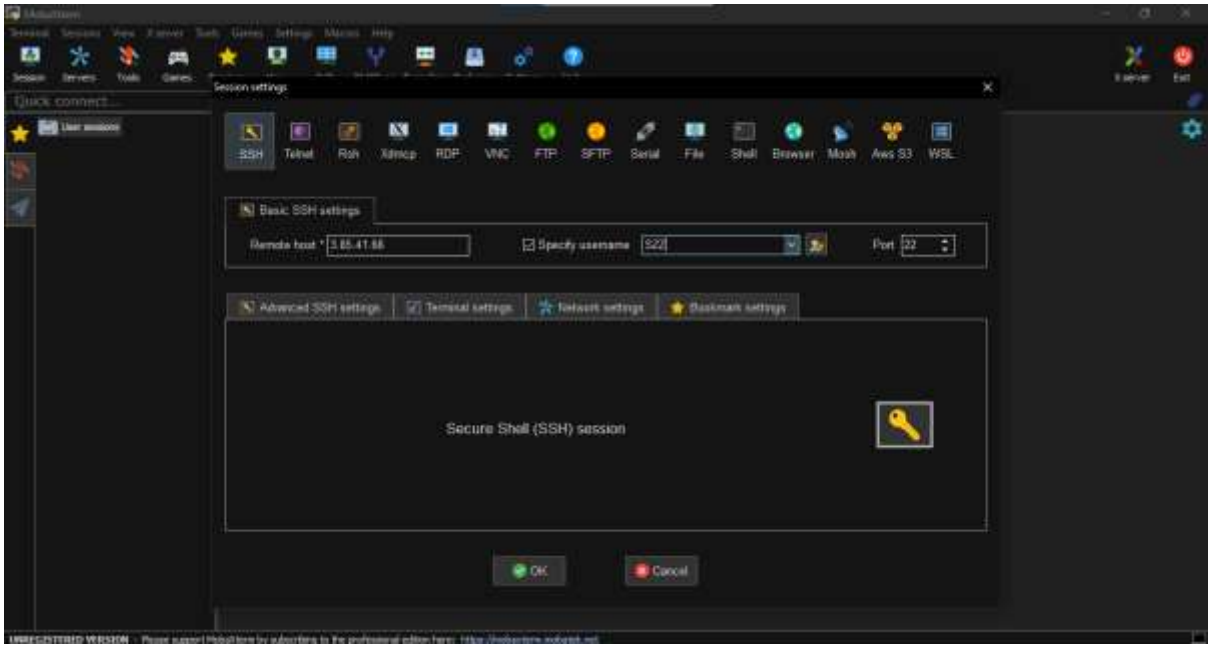


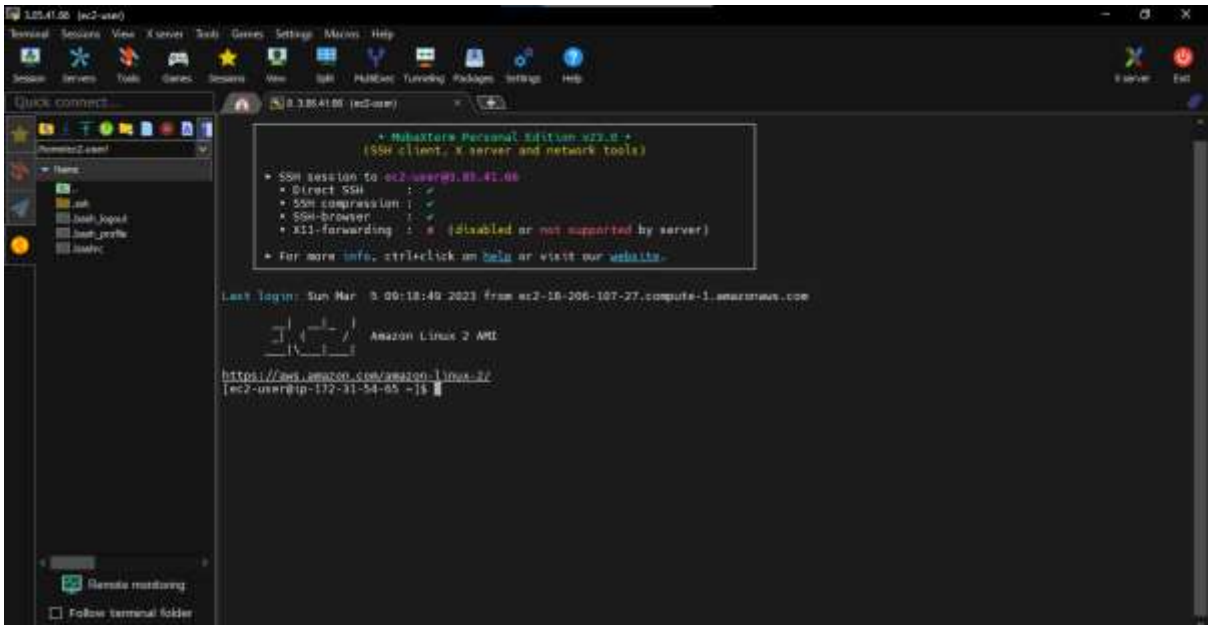
Now copy the public ip and paste in the web browser

Connect to the instance via SSH

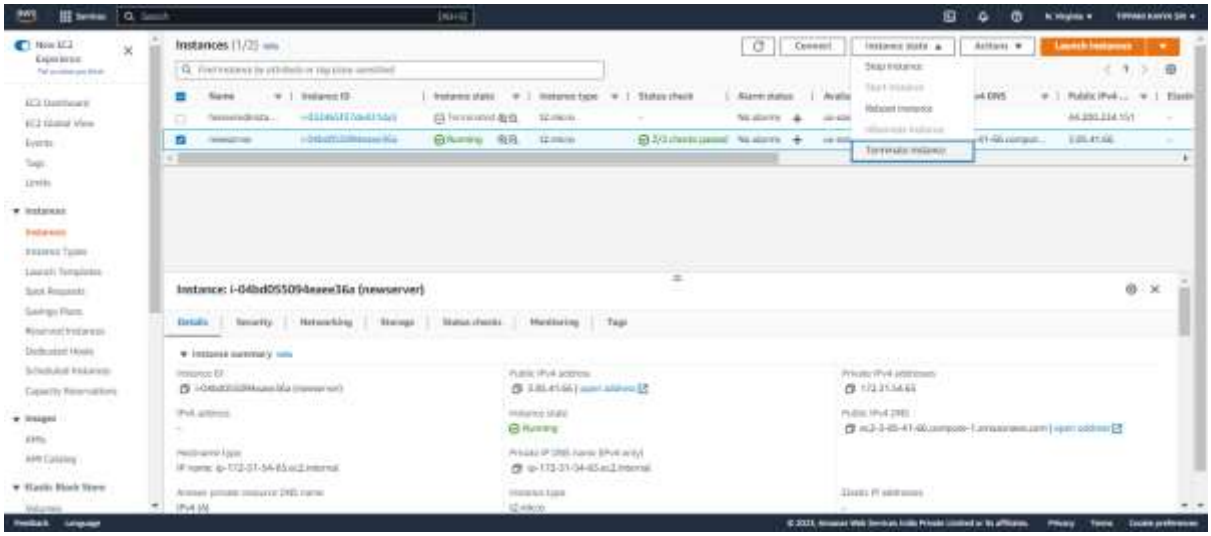
->SSH access of EC2 instance in local machine

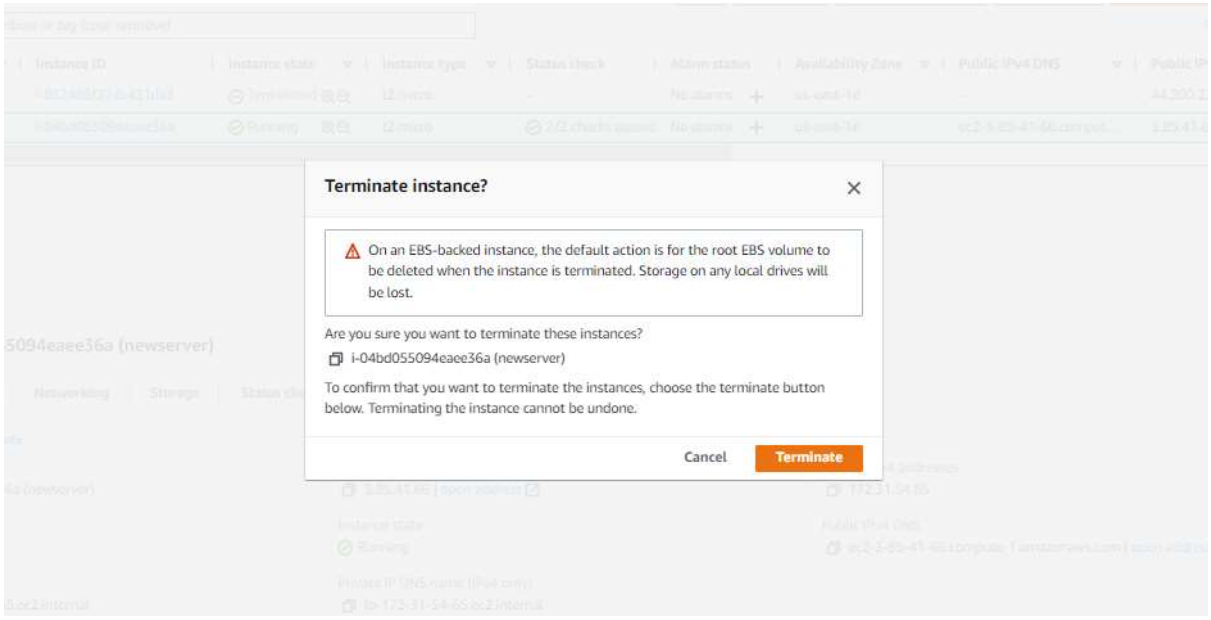






terminate the ec2-instance


Instances (1/2)
Connect
Instance state
Actions
Launch instances
Terminate instance
Instance: i-04bd055094eaee36a (newserver)


Terminate instance?
On an EBS-backed instance, the default action is for the root EBS volume to be deleted when the instance is terminated. Storage on any local drives will be lost.
Are you sure you want to terminate these instances?
i-04bd055094eaee36a (newserver)
To confirm that you want to terminate the instances, choose the terminate button below. Terminating the instance cannot be undone.
Cancel
Terminate