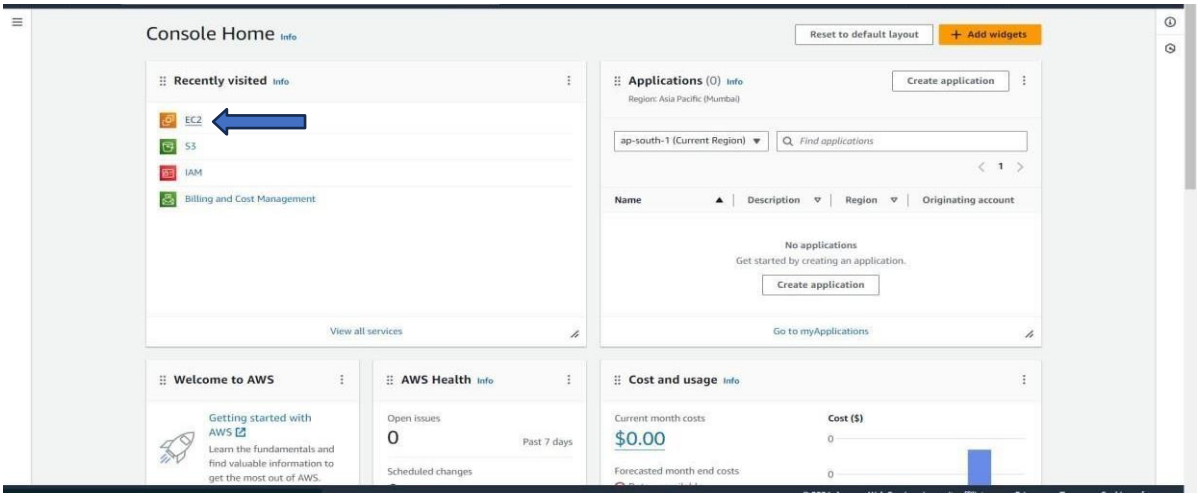
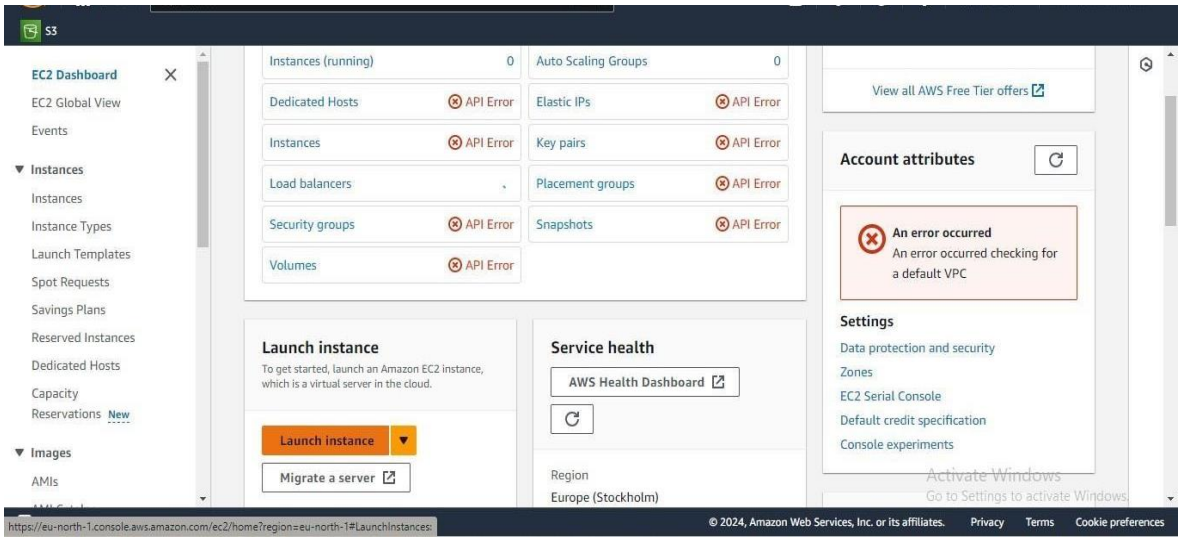
ASSIGNMENT-12

Problem Statement: Deploy and run the project in AWS without using port.

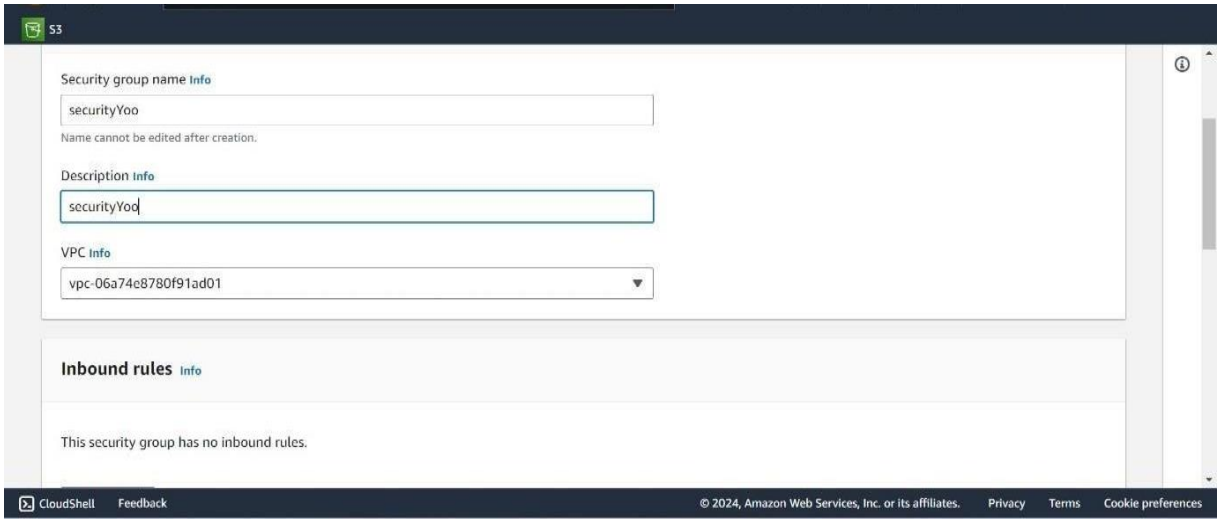
Step 1: Login to the console and click on **EC2.**



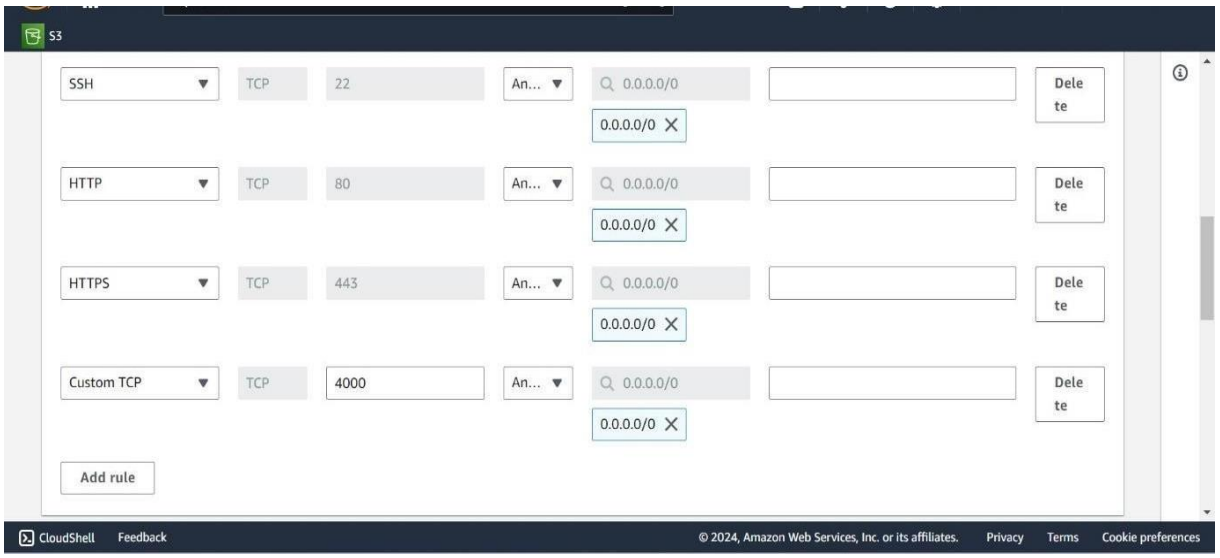
Step 2: Then click on Security Groups.



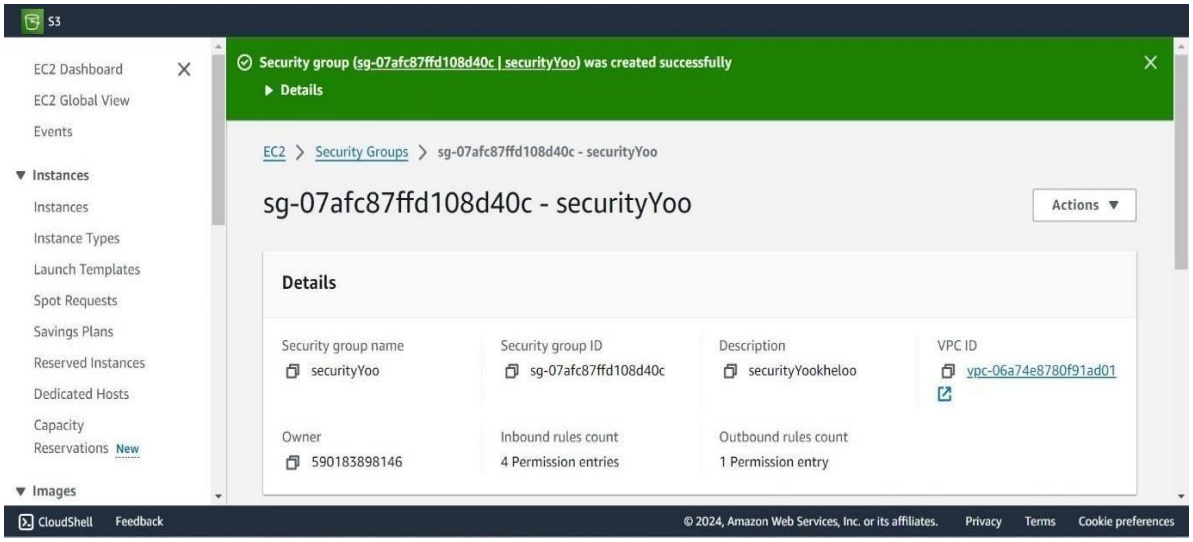
Step 3: Then go to the “Create Security group”



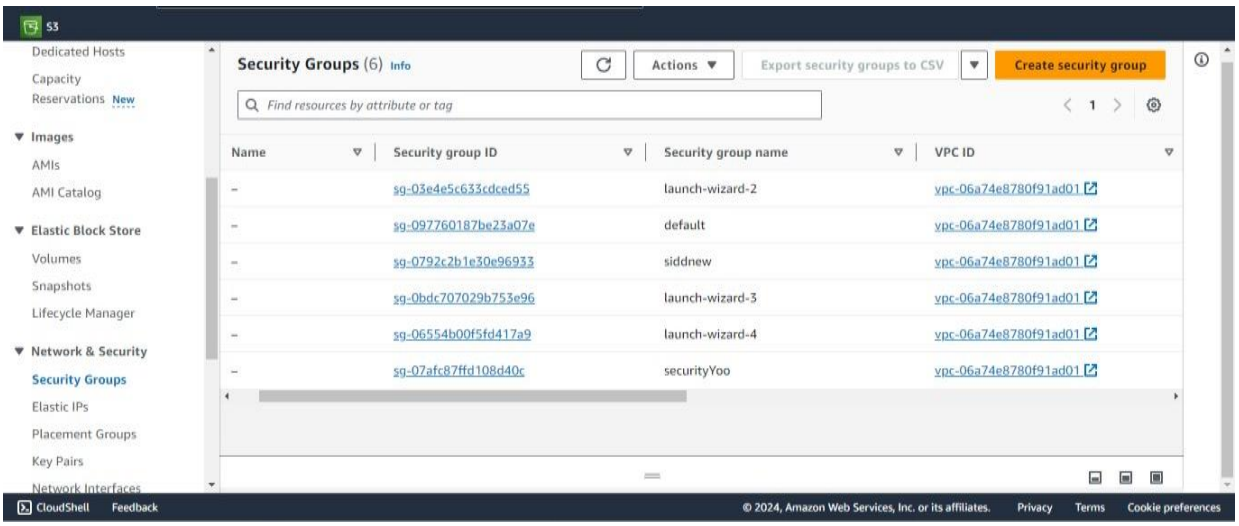
Step 4: Write security group name, add inbound rules and click on “Create security group”.



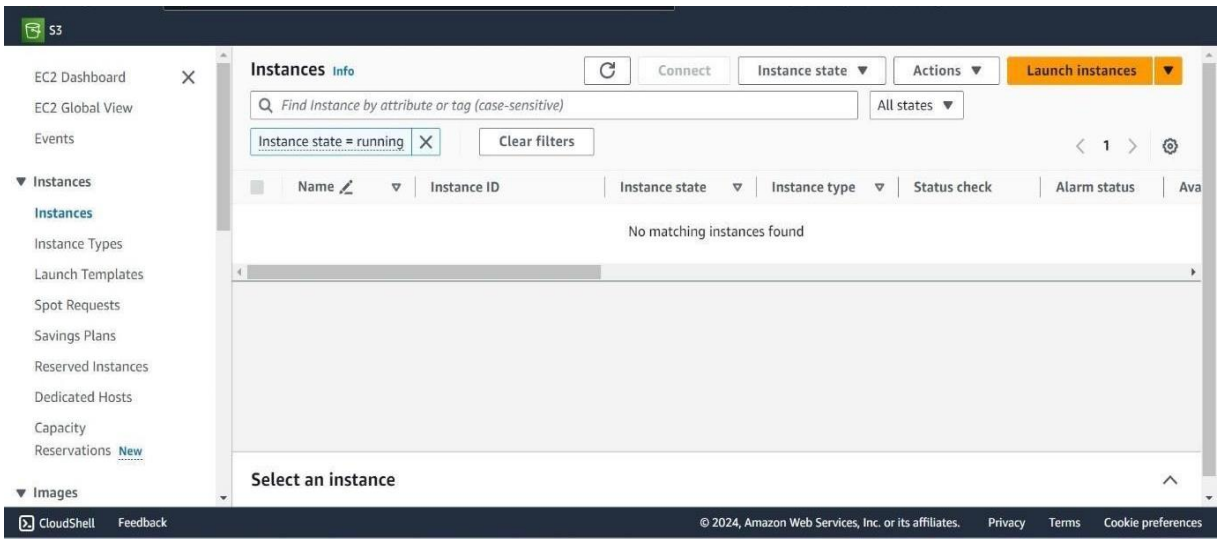
Step 5: after that security group is created successfully.

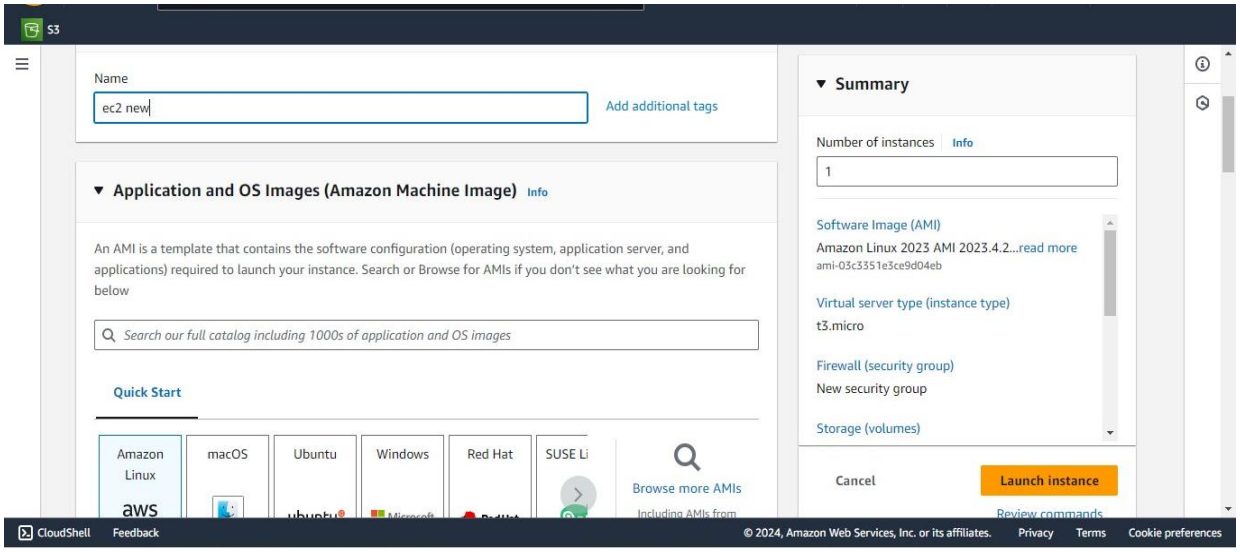


Step 6: Now check the security group activity whether its shows all port number or not.

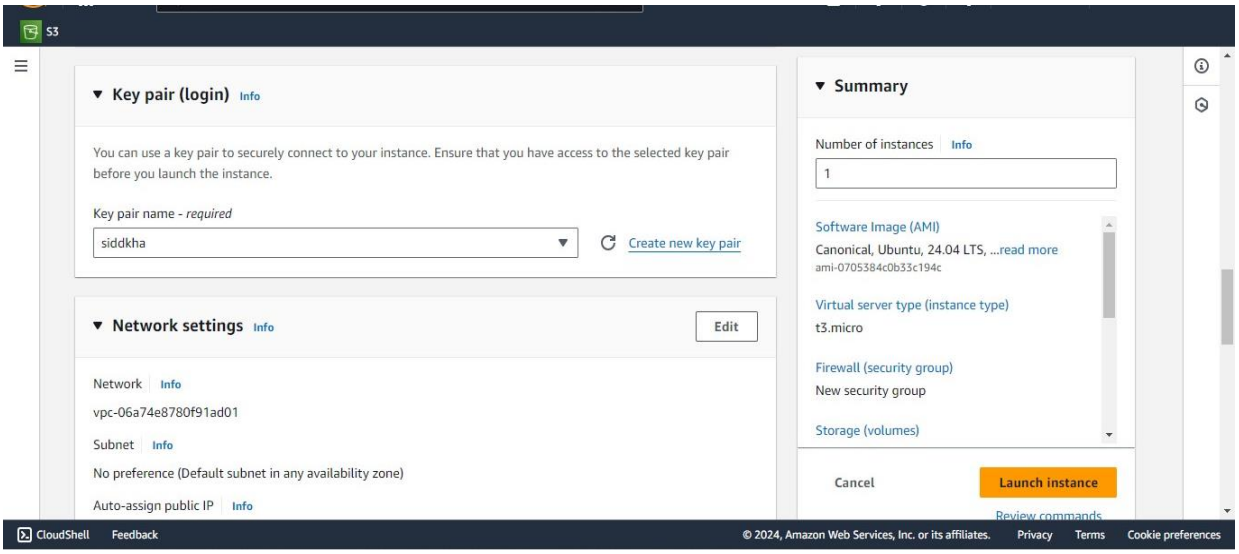


Step 7: The security group is created. Now go to the EC2 and click on “Launch Instances”.

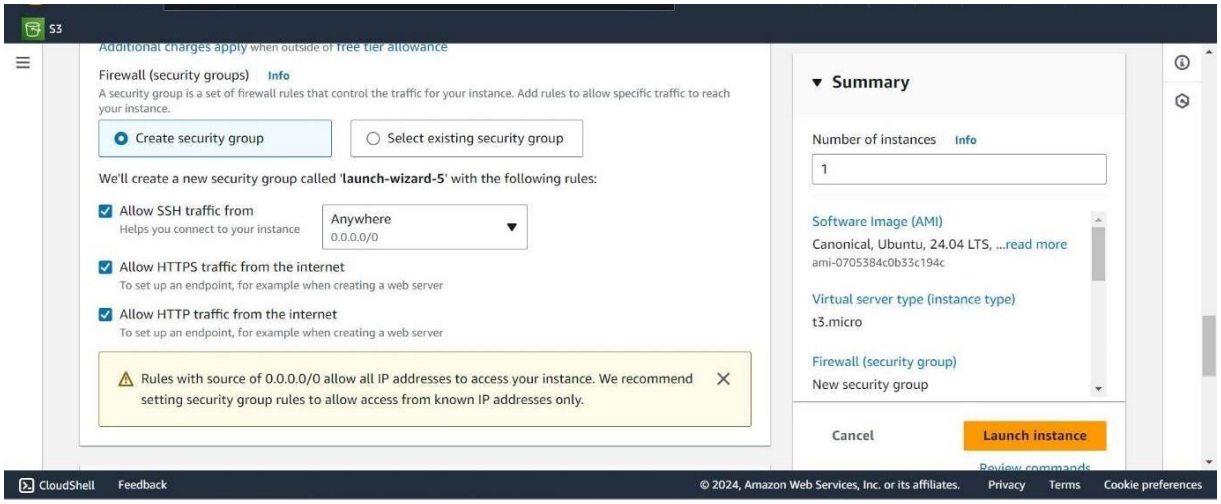




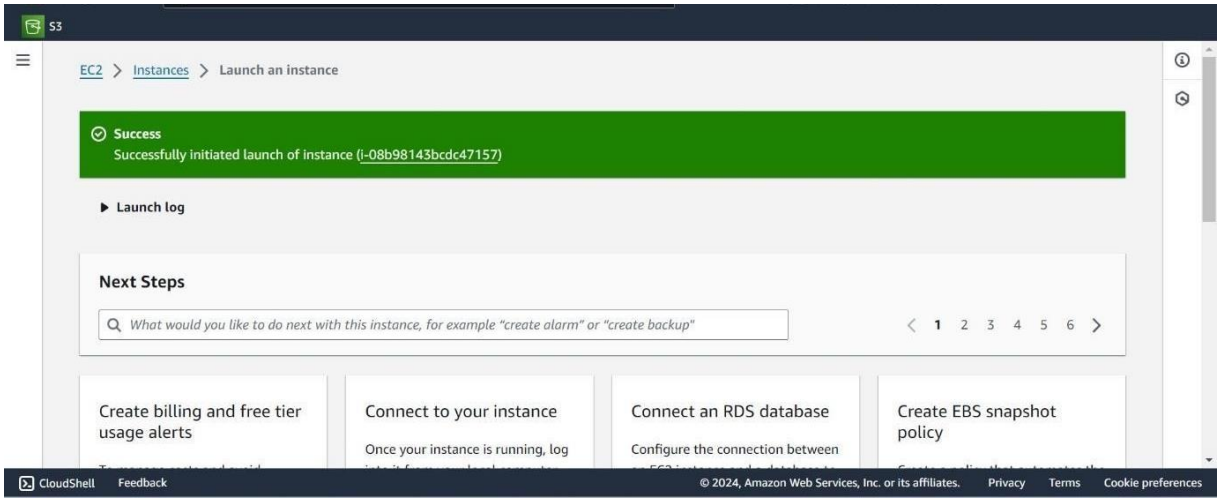
Step 8: search the existing key pair whether its already created.



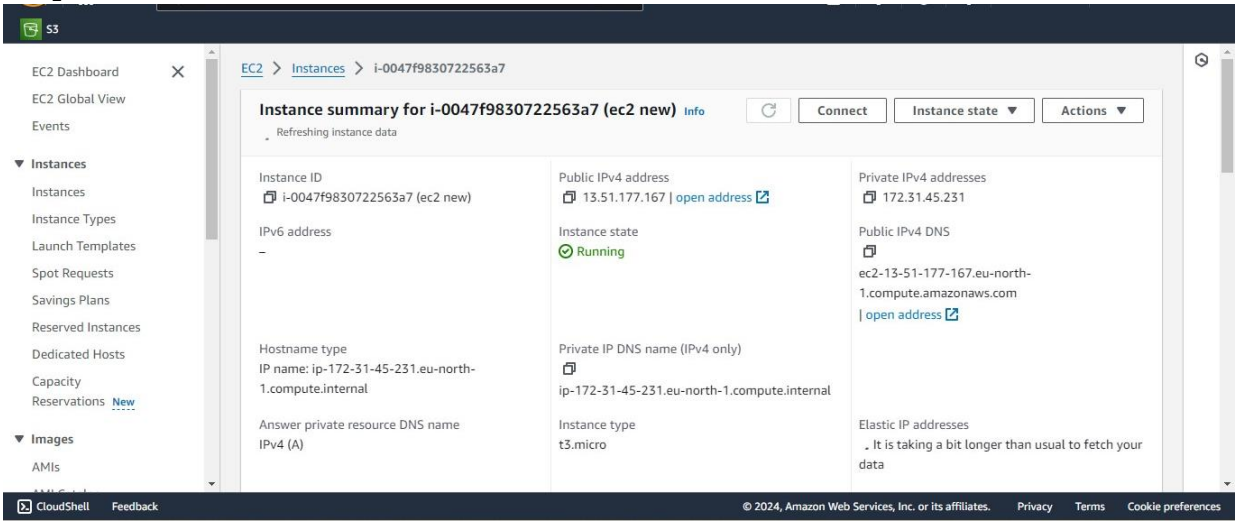
Step 9: select the SSH, HTTPS,HTTP and move it.



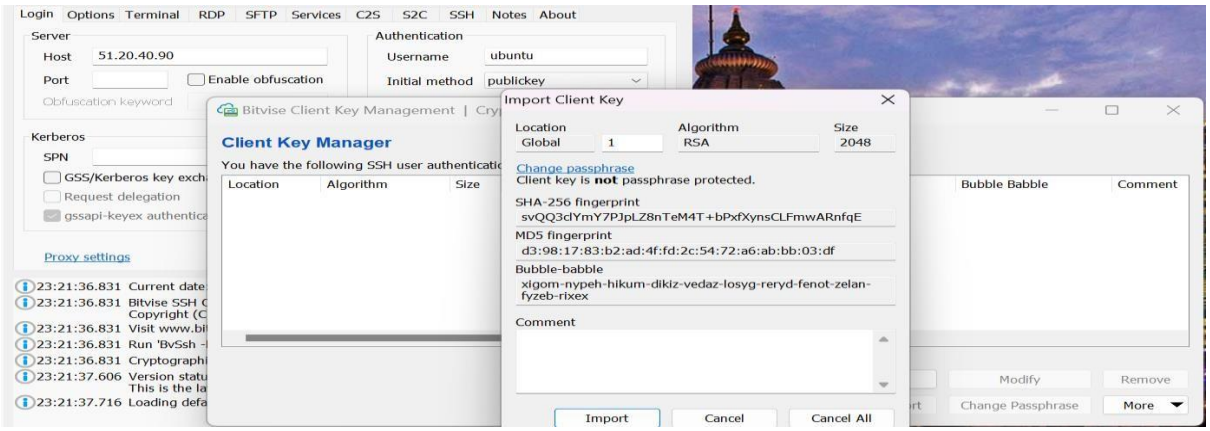
Step 10: after that the instance lunch successfully.



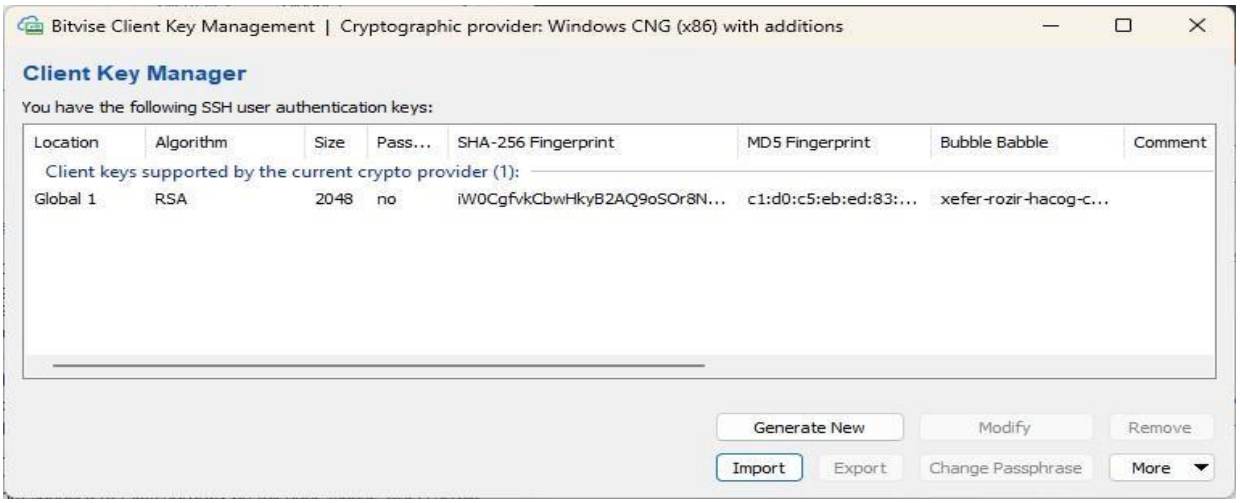
Step 11: Go back to the Instance, copy the "Public IPv4 address".



Step 12: In "Bitvise SSH Client", paste the "Public IPv4 address" in "Host" and under "Authentication tab" give the username as Ubuntu. Then click on "Client Key Manager".



Step 13: after that "bitwise ssh client" creation process done.



Step 14: steps of further processes which is done in **command pannle** in "bitwise ssh client".

a. Remove any previously selected key if any, then click on "Import" & select the key which instance was created.

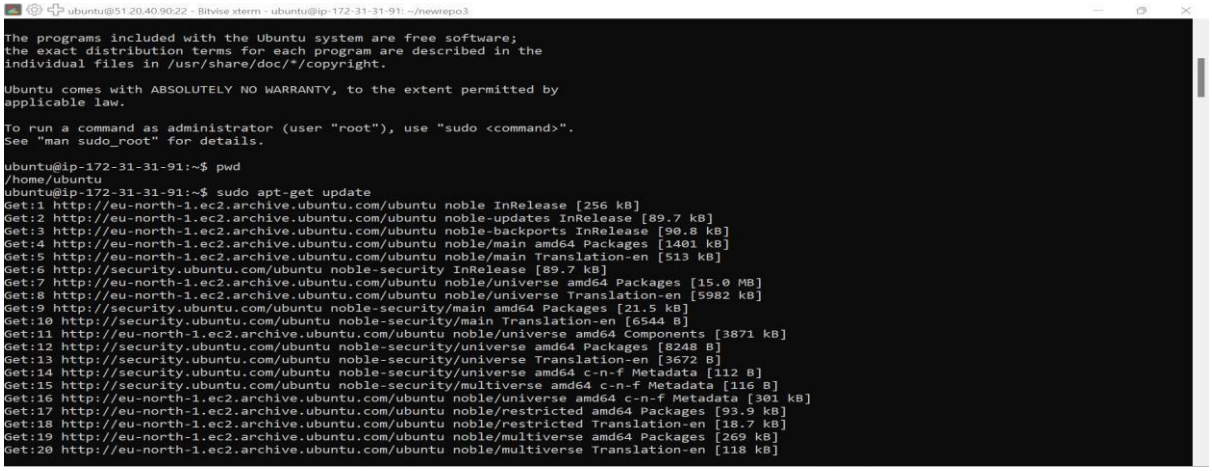
b. In "Bitvise SSH Client", click on "Log in".

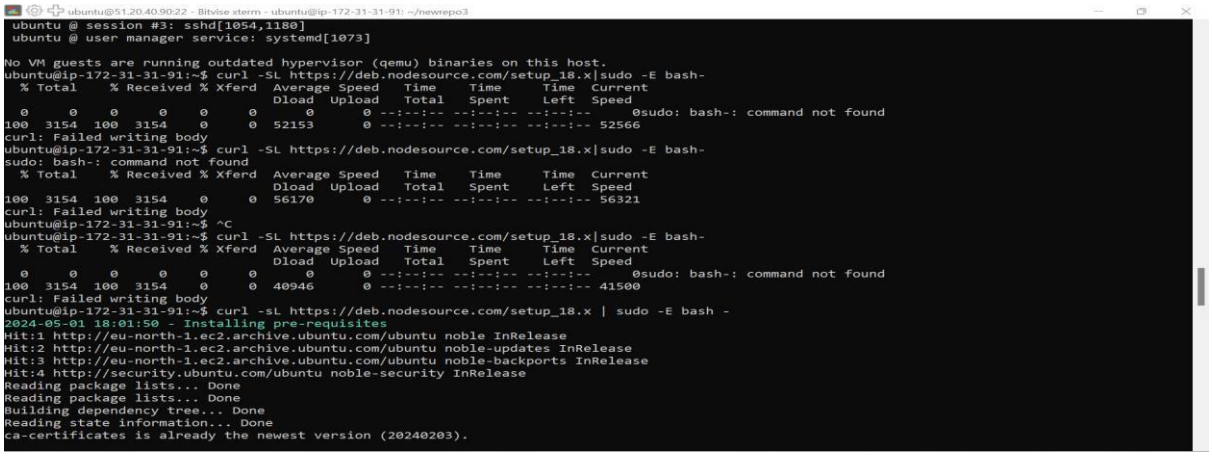
c. After successful "Log in" open a "New Terminal Console".

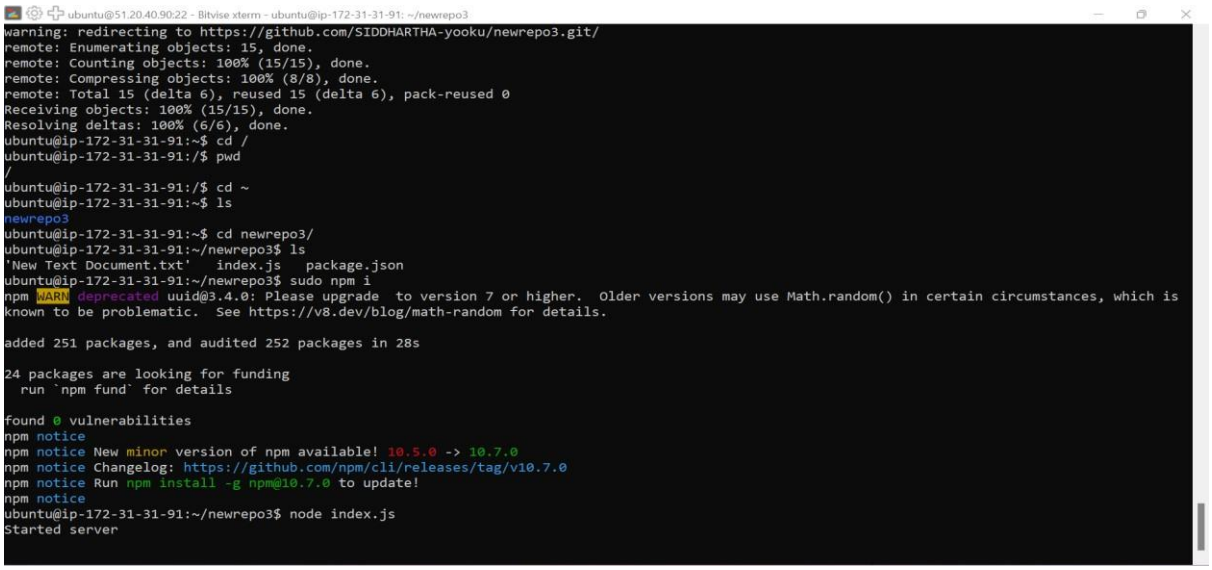
d. In the console, type the following commands in sequential order.

```
ubuntu@ip-172-31-27-221:~$ pwd
/home/ubuntu
ubuntu@ip-172-31-27-221:~$ sudo apt-get update
```

```
Fetched 30.7 MB in 6s (5382 kB/s)
Reading package lists... Done
ubuntu@ip-172-31-27-221:~$ sudo apt-get upgrade
```

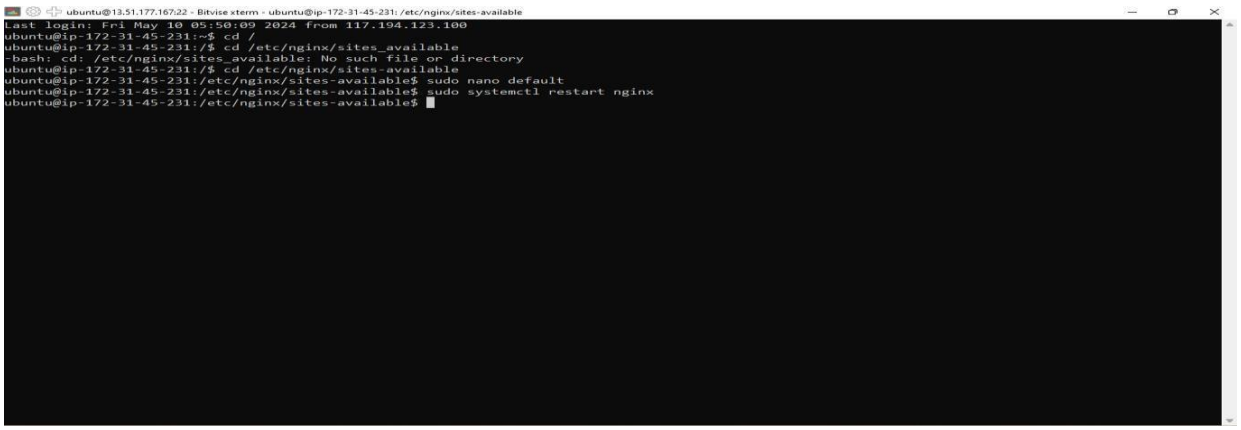






Step 15: after that we start the server and show that whether its running or not.

Step 16: Now we open another command pannle and go to the further process.



Step 17: Now type the commands and then go to the further steps--

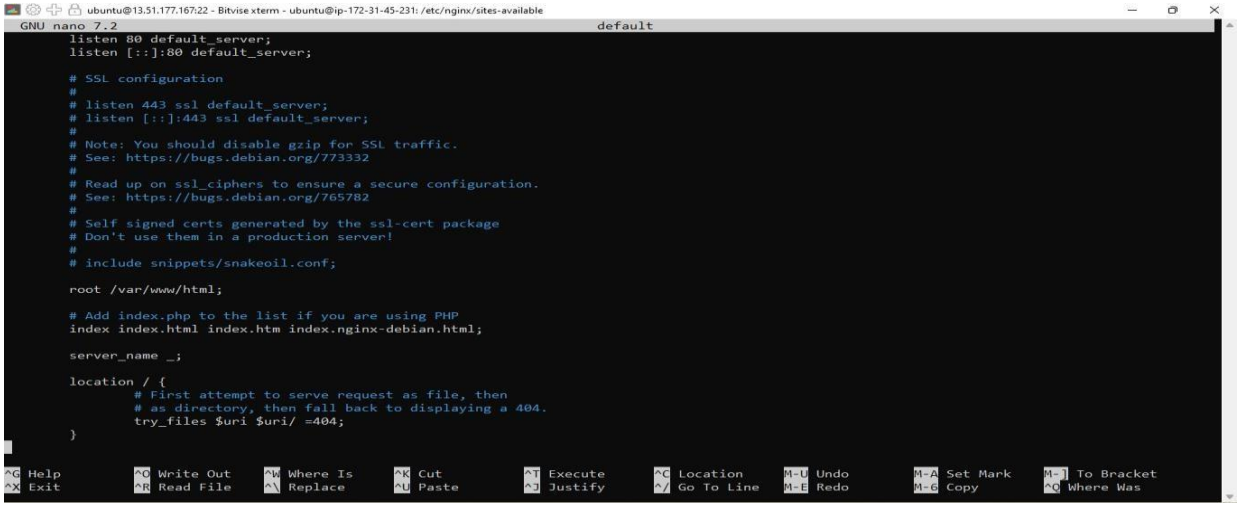
In this step edit the **"location"** part only with - location / {

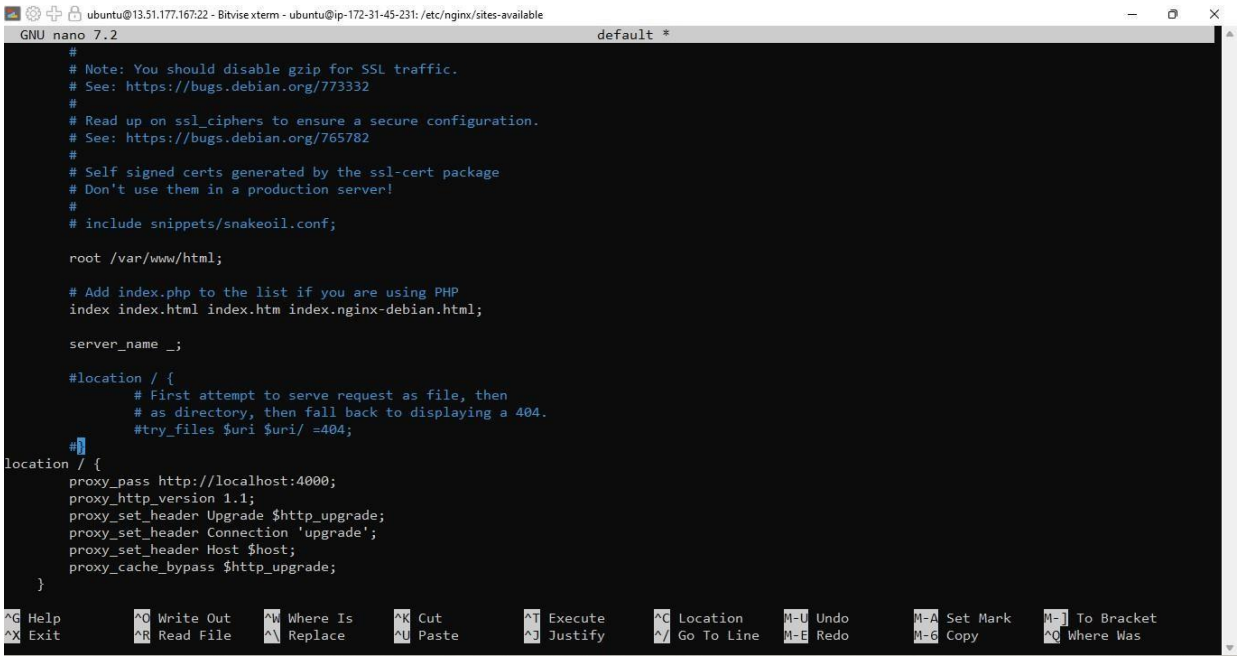
proxy_pass http://localhost:4000; proxy_http_version 1.1;

proxy_set_header Upgrade $http_upgrade; proxy_set_header

Connection 'upgrade'; proxy_set_header Host $host;

proxy_cache_bypass $http_upgrade; }





Step 18: Now we saw that after one more time copy the **ipv4 address** of instance its running without using port(4000).