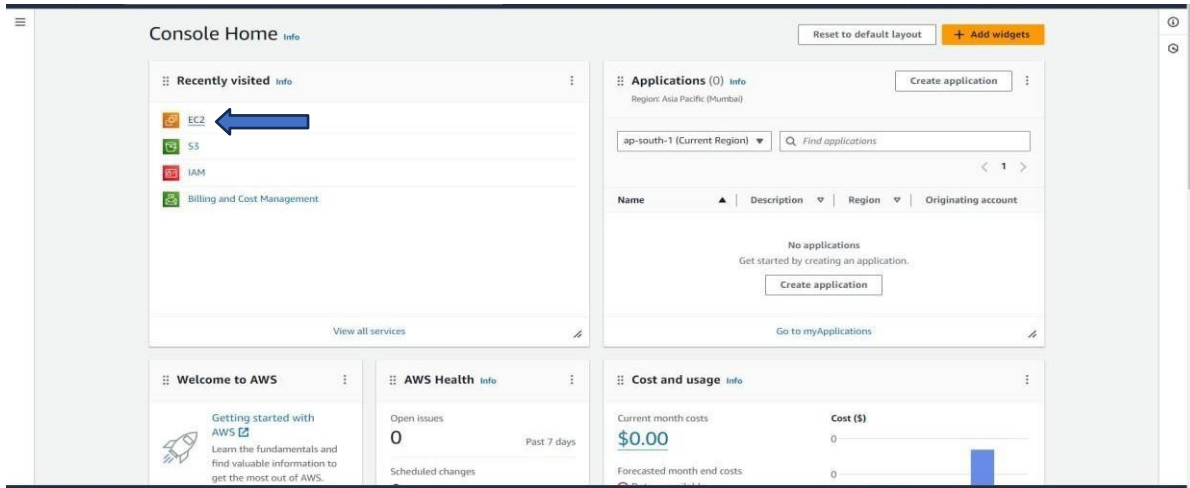


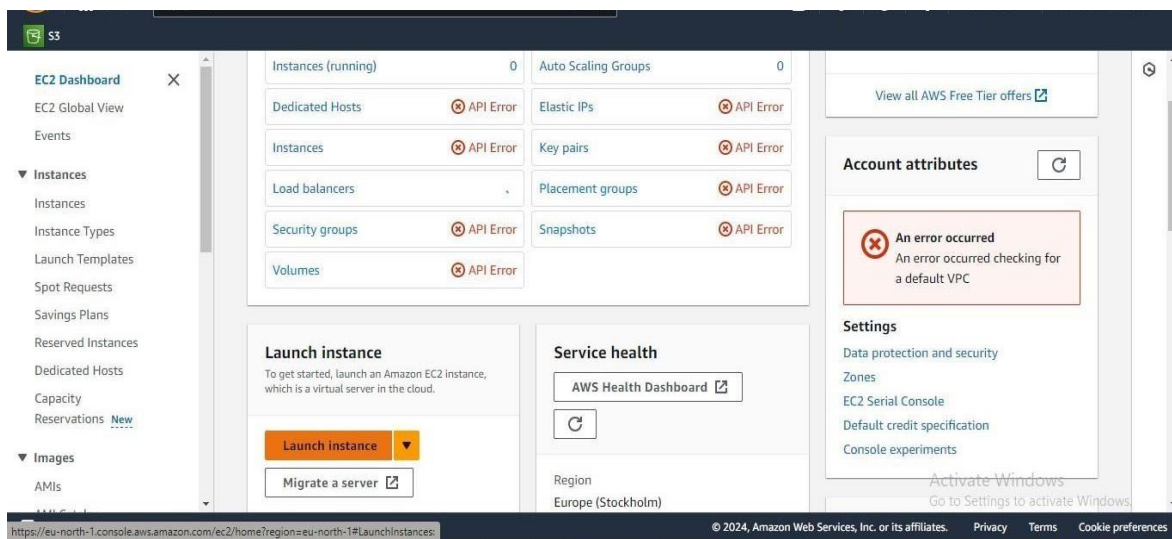
ASSIGNMENT-12

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

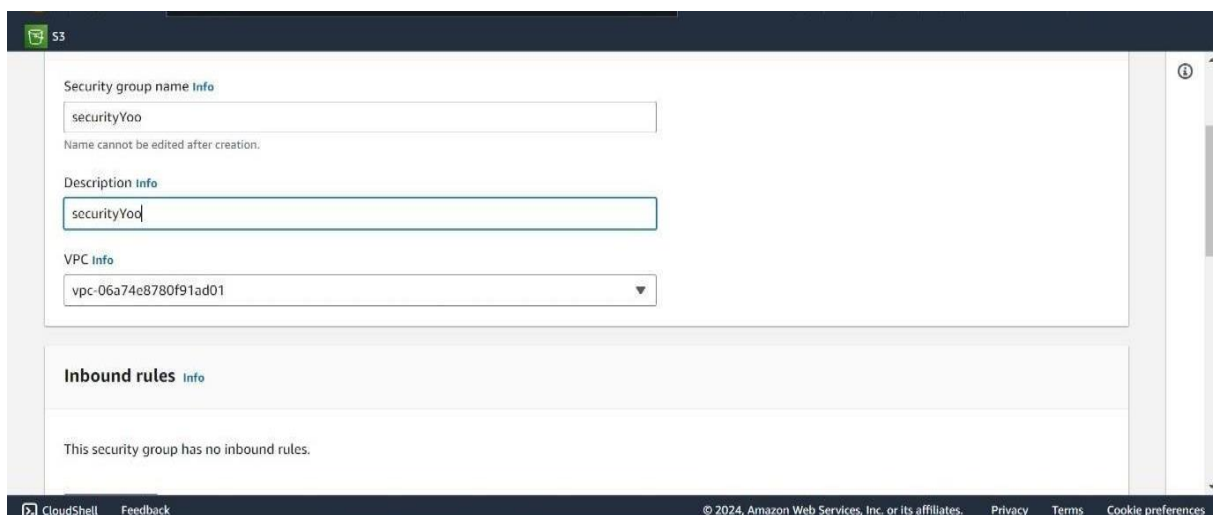
Step 1: Login to the console and click on EC2.



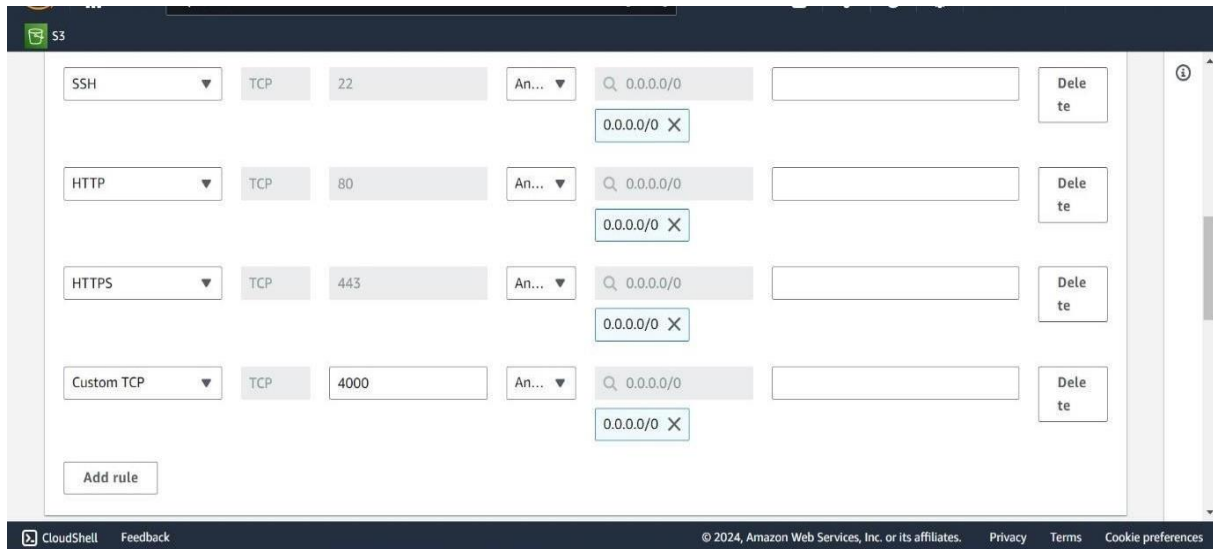
Step 2: Then click on Security Groups.



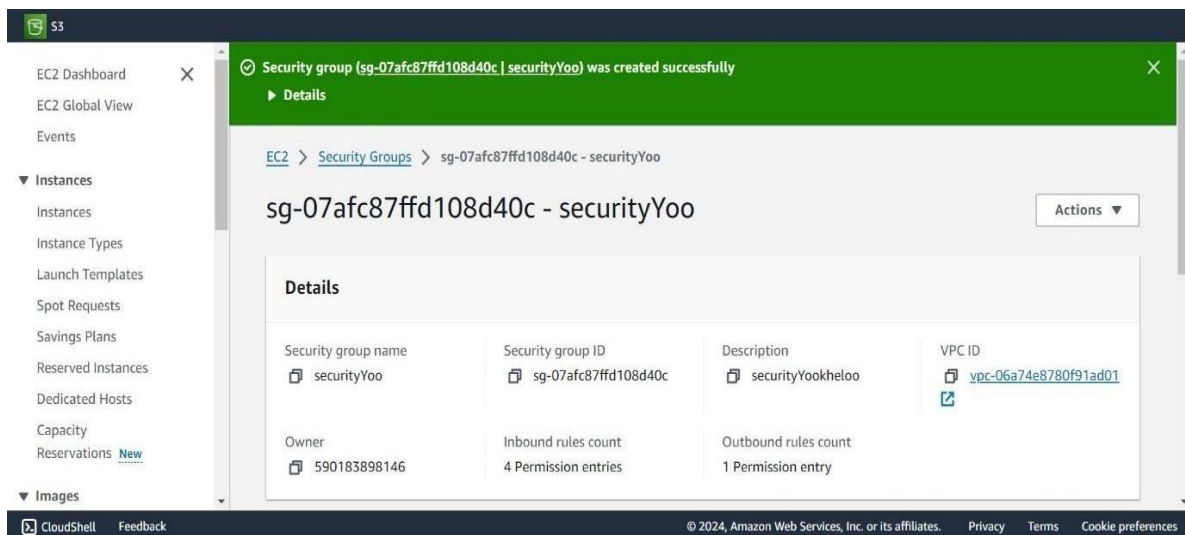
Step 3: Then go to the “Create Security group”



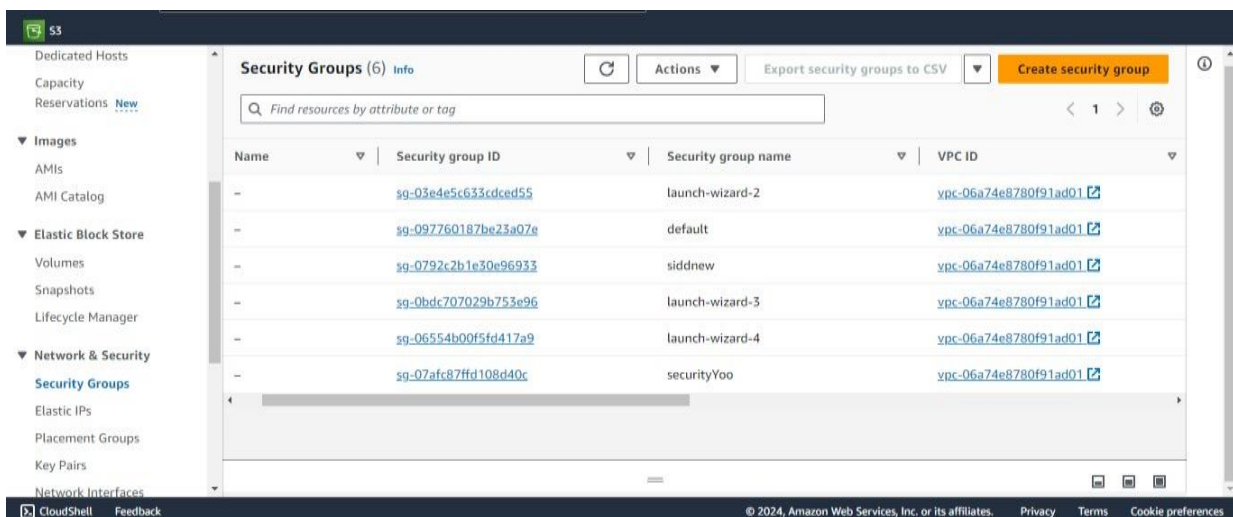
Step 4: Write security group name, add inbound rules and click on “Create security group”.



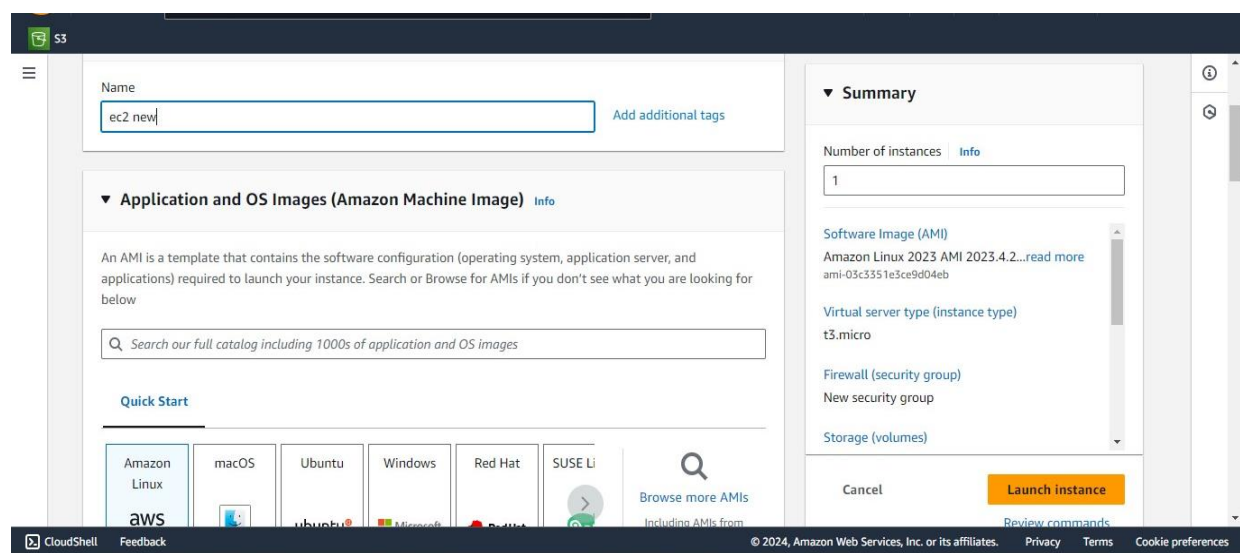
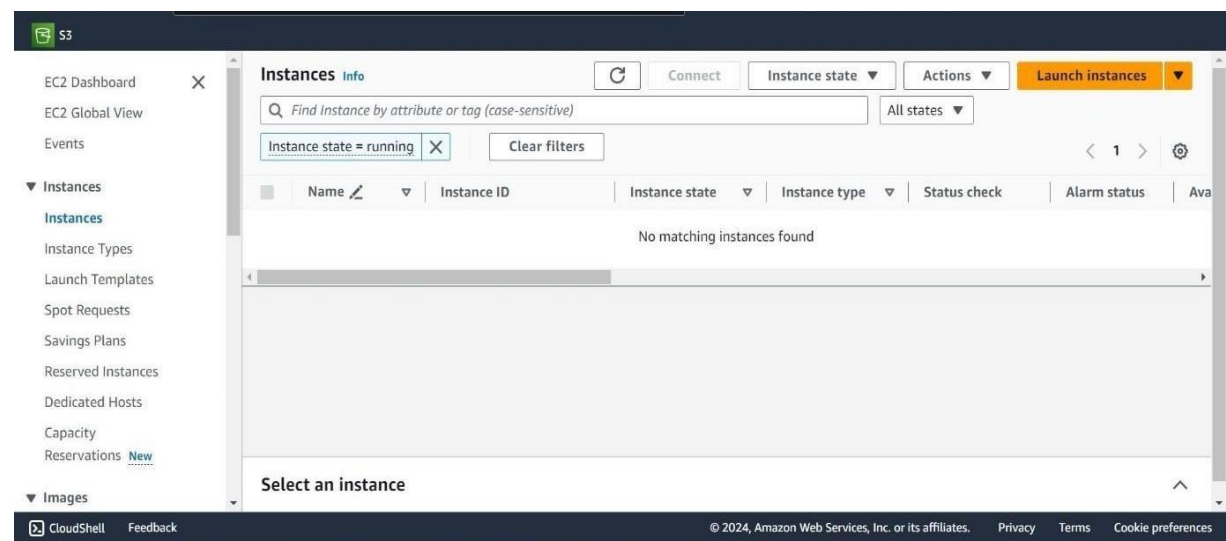
Step 5: after that security group is created successfully.



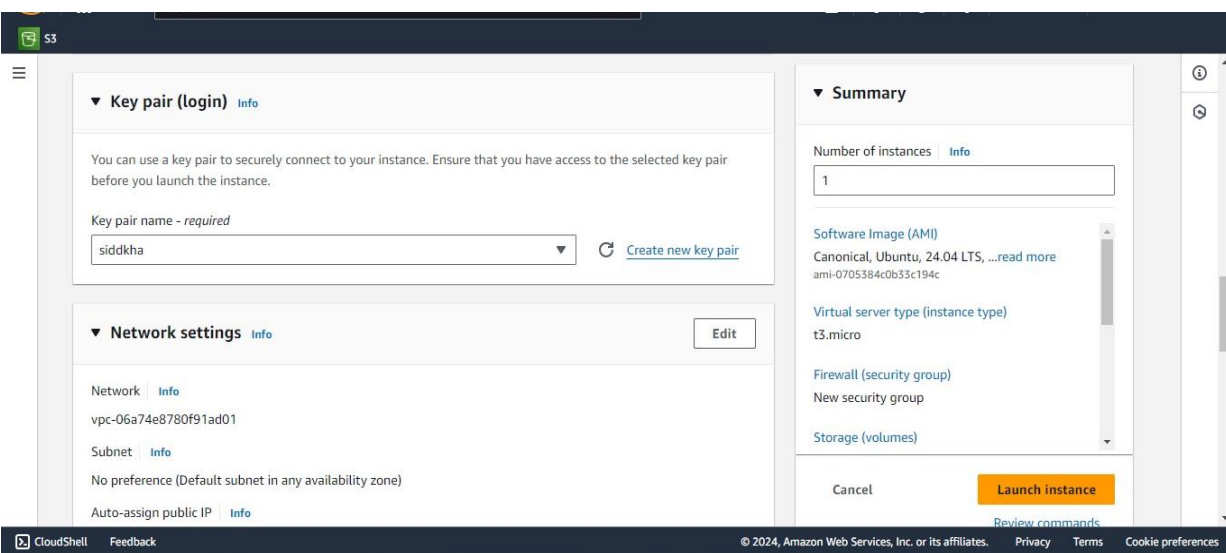
Step 6: Now check the security group activity whether its shows all port number or not.



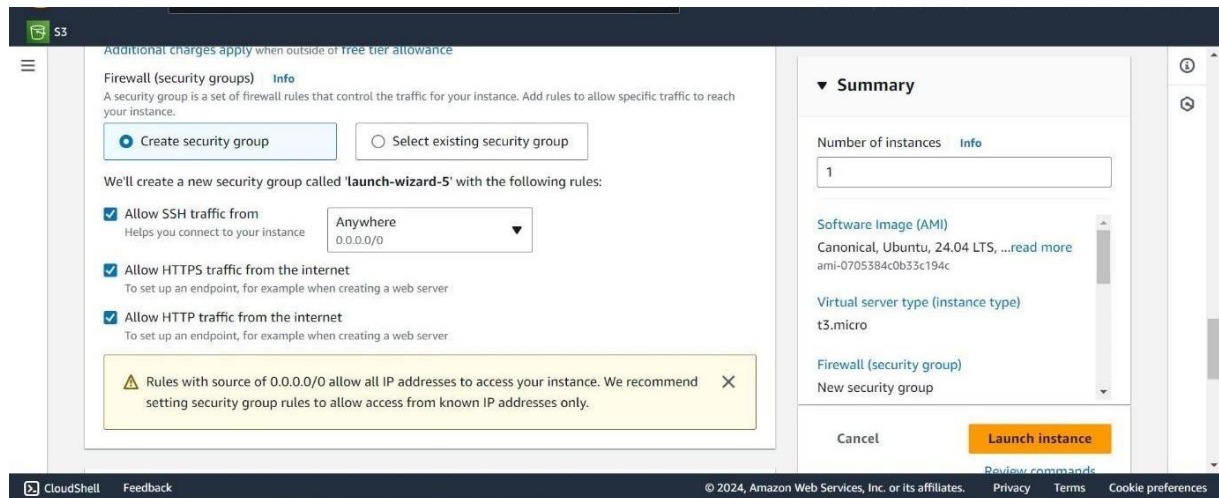
Step 7: The security group is created. Now go to the EC2 and click on “Launch Instances”.



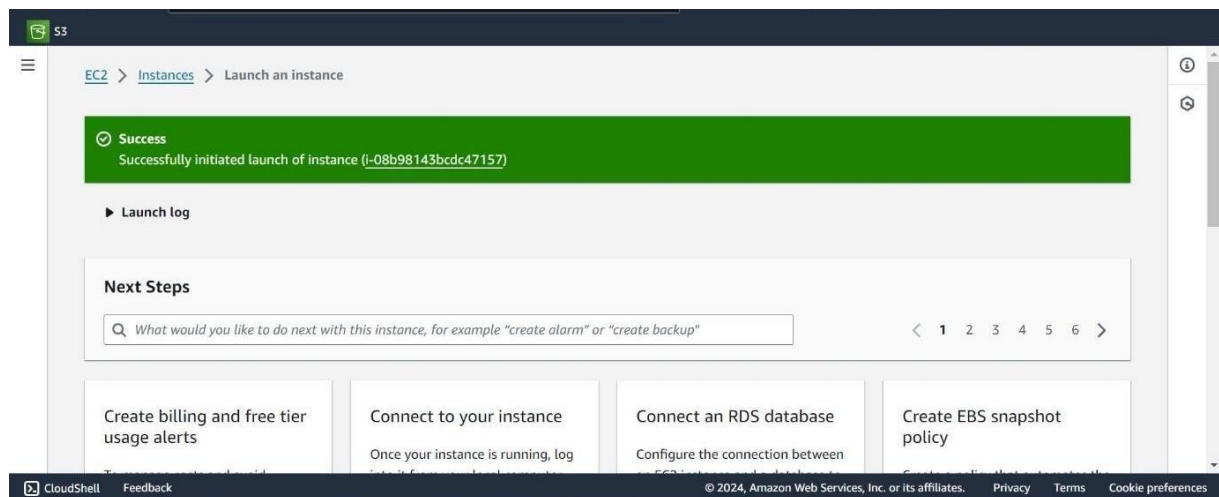
Step 8: search the existing key pair whether its already created.



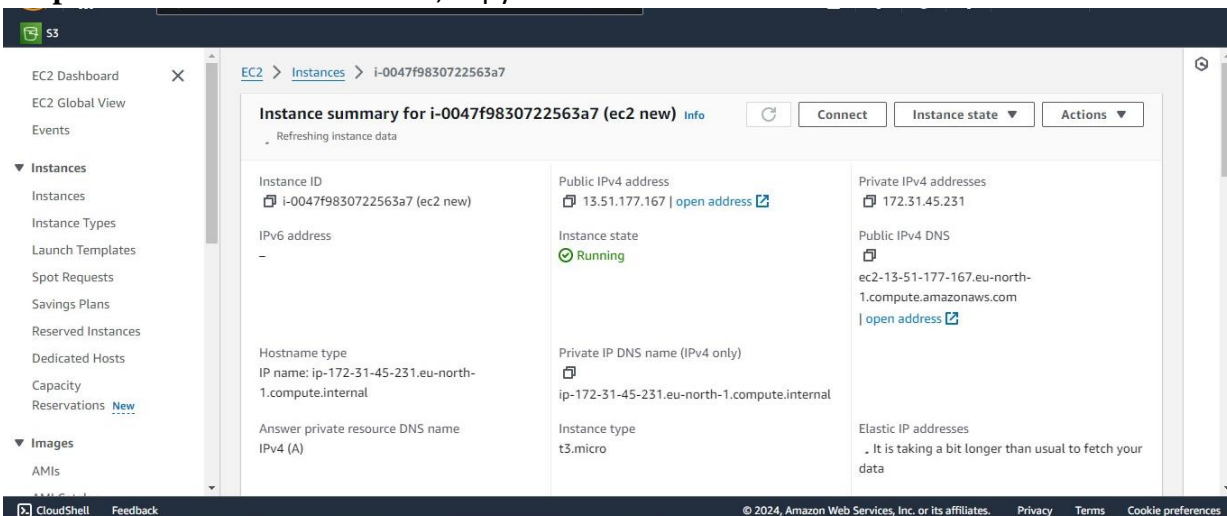
Step 9: select the SSH, HTTPS,HTTP and move it.



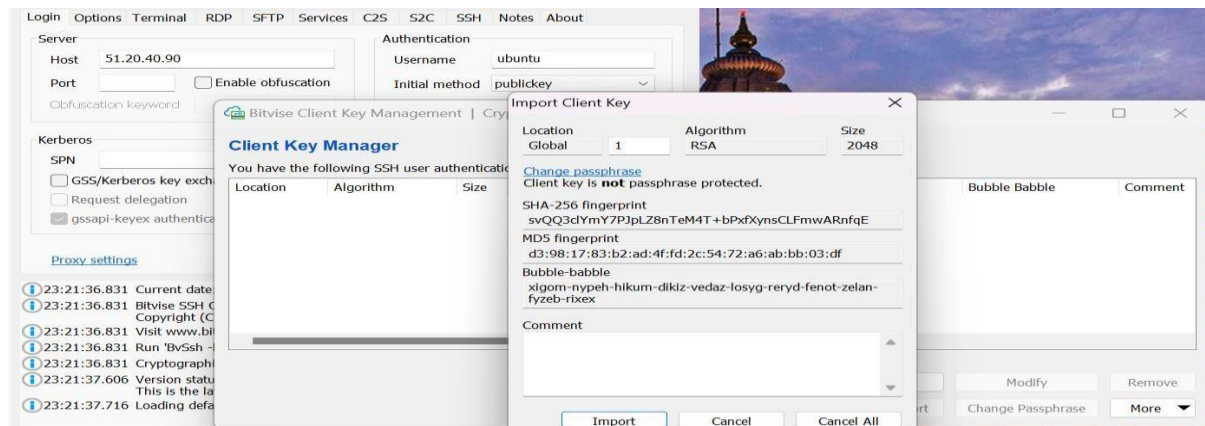
Step 10: after that the instance lunch successfully.



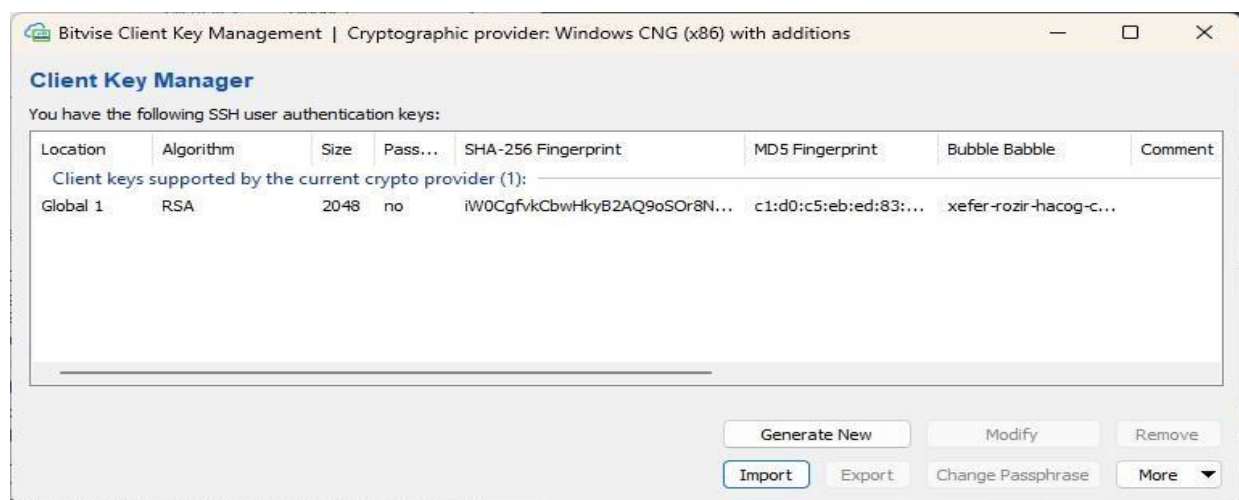
Step 11: Go back to the Instance, copy the “Public IPv4 address”.



Step 12: In “Bitwise 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.



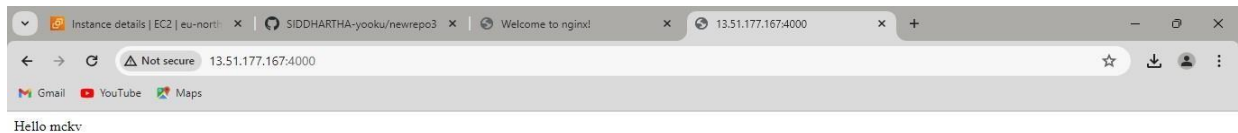
Step 14: steps of further processes which is done in command pannel in “bitwise ssh client”.

- Remove any previously selected key if any, then click on “Import” & select the key which instance was created.
- In “Bitvise SSH Client”, click on “Log in”.
- After successful “Log in” open a “New Terminal Console”.
- In the console, type the following commands in sequential order.

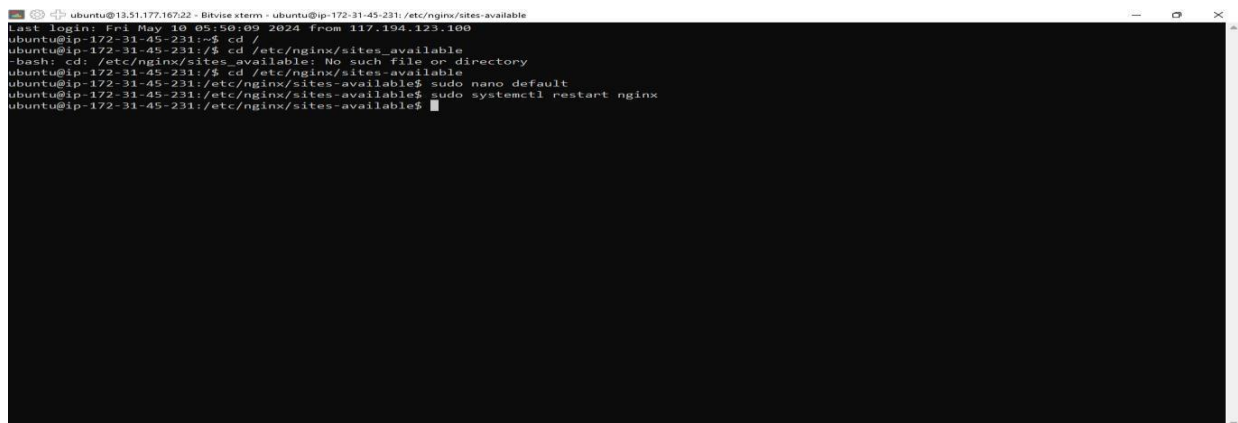
```
ubuntu@ip-172-31-27-221:~$ pwd
/home/ubuntu
ubuntu@ip-172-31-27-221:~$ sudo apt-get update
```

```

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

Step 16: Now we open another command pannel 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; }

```
GNU nano 7.2 default
listen 80 default_server;
listen [::]:80 default_server;

# SSL configuration
#
# listen 443 ssl default_server;
# listen [::]:443 ssl default_server;
#
# Note: You should disable gzip for SSL traffic.
# See: https://bugs.debian.org/773332
#
# Read up on ssl_ciphers to ensure a secure configuration.
# See: https://bugs.debian.org/765782
#
# Self signed certs generated by the ssl-cert package
# Don't use them in a production server!
#
# include snippets/snakeoil.conf;

root /var/www/html;

# Add index.php to the list if you are using PHP
index index.html index.htm index.nginx-debian.html;

server_name _;

location / {
    # First attempt to serve request as file, then
    # as directory, then fall back to displaying a 404.
    try_files $uri $uri/ =404;
}
```

```
GNU nano 7.2 default *
#
# Note: You should disable gzip for SSL traffic.
# See: https://bugs.debian.org/773332
#
# Read up on ssl_ciphers to ensure a secure configuration.
# See: https://bugs.debian.org/765782
#
# Self signed certs generated by the ssl-cert package
# Don't use them in a production server!
#
# include snippets/snakeoil.conf;

root /var/www/html;

# Add index.php to the list if you are using PHP
index index.html index.htm index.nginx-debian.html;

server_name _;

#location / {
#    # First attempt to serve request as file, then
#    # as directory, then fall back to displaying a 404.
#    try_files $uri $uri/ =404;
#}
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).

