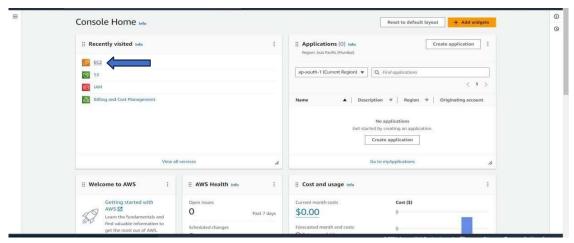
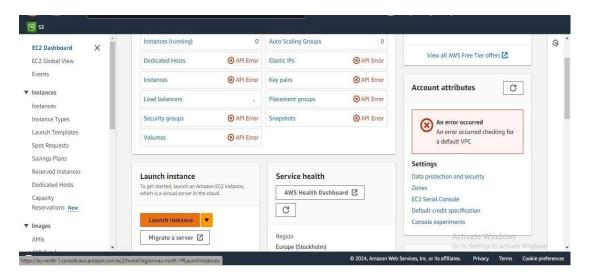
## **ASSIGNMENT-12**

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

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



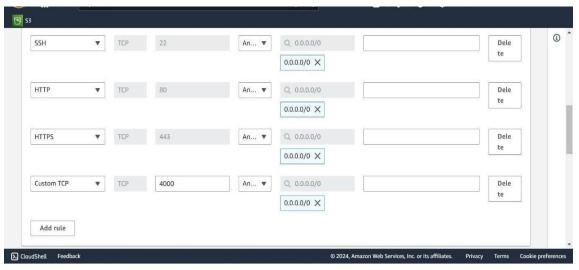
Step 2: Then click on Security Groups.



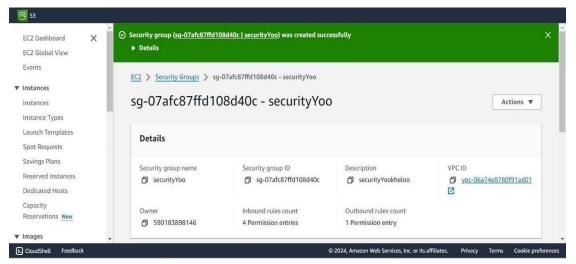
Step 3: Then go to the "Create Security group"



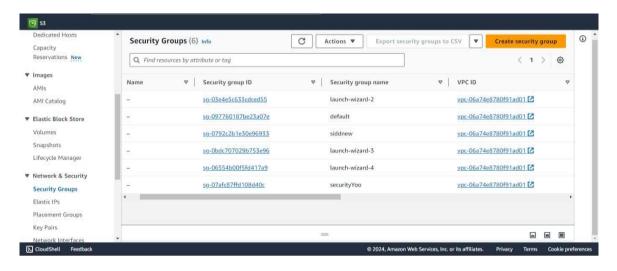
**Step 4:** Write security group name, add inbound rules and click on "Create security group".



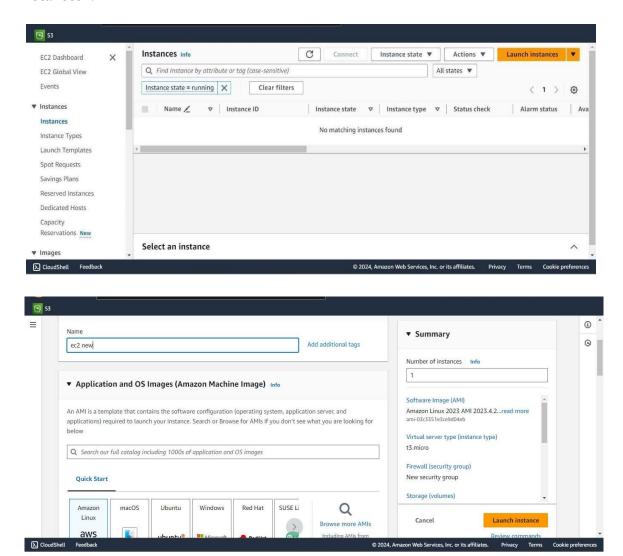
Step 5: after that security group is created successfully.



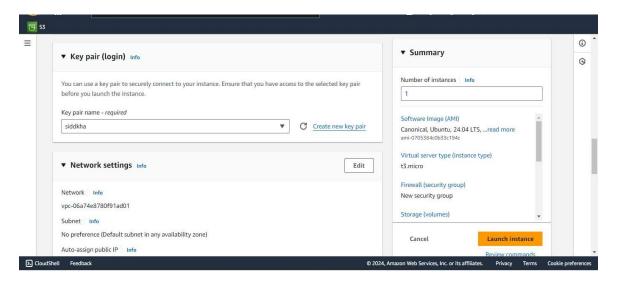
**Step 6:** Now check the security group activity whether its shows all port number or not.



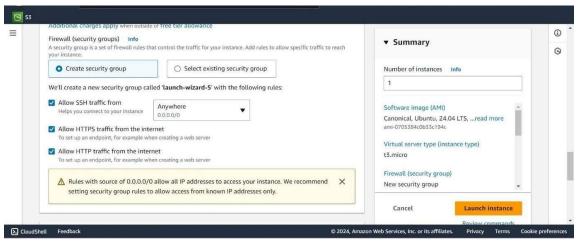
**Step 7**: The security group is created. Now go to the EC2 and click on "Launch Instances".



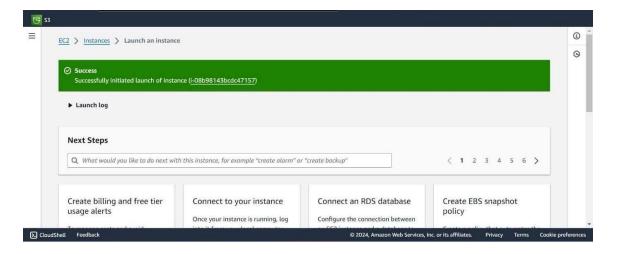
**Step 8:** search the existing key pair whether its already created.



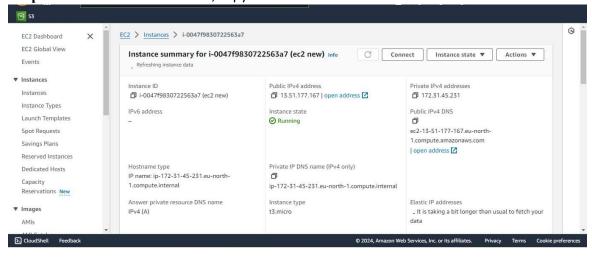
**Step 9:** select the SSH, HTTPS, HTTP and move it.



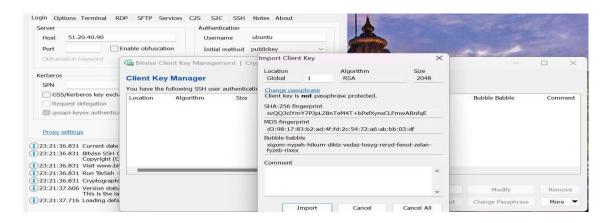
Step 10: after that the instance lunch successfully.



**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
```

```
The programs included with the Ubuntu system are free software; the exact distribution terms for each program are described in the individual files in /usr/share/doc/*/copyright.

Ubuntu comes with ABSOLUTELY NO WARRANTY, to the extent permitted by applicable law.

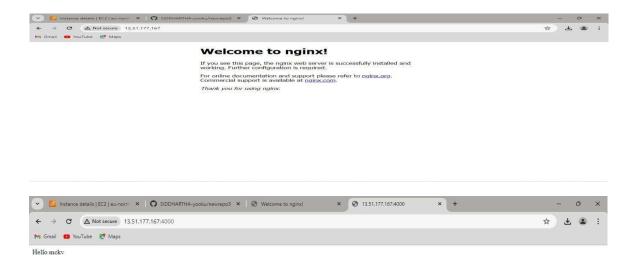
To run a command as administrator (user "root"), use "sudo <command>".

See "man sudo_root" for details.

ubuntu@ip-172-31-31-91:-$ pwd
/home/ubuntu
ubuntu@ip-172-31-31-91:-$ sudo apt-get update
ubuntu@ip-172-31-31-91:-$ sudo apt-get update
detil http://gu-north-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [256 kB]
Get: a http://gu-north-1.ec2.archive.ubuntu.com/ubuntu noble-updates InRelease [90.8 kB]
Get: a http://gu-north-1.ec2.archive.ubuntu.com/ubuntu noble-wakeports InRelease [90.8 kB]
Get: a http://gu-north-1.ec2.archive.ubuntu.com/ubuntu noble-wakeports InRelease [90.8 kB]
Get: b http://gu-north-1.ec2.archive.ubuntu.com/ubuntu noble/main amd64 Packages [140 kB]
Get: b http://gu-north-1.ec2.archive.ubuntu.com/ubuntu noble/main-ranslation-en [513 kB]
Get: b http://gu-north-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Packages [15.0 MB]
Get: b http://gu-north-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Packages [15.0 MB]
Get: b http://gu-north-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Packages [16.0 MB]
Get: b http://seu-north-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Components [3871 kB]
Get: b http://seu-north-1.ec2.archive.ubuntu.com/ubuntu noble/universe amd64 Components [3872 B]
Get: b http://seu-north-1.ec2.ar
```

```
warning: redirecting to https://github.com/SIDDMARTMA-yooku/newrepo3.git/
remote: Enumerating objects: 100% (15/15), done.
remote: Counting objects: 100% (15/15), done.
remote: Counting objects: 100% (15/15), done.
remote: Total 15 (delta 6), reused 15 (delta 6), pack-reused 0
Receiving objects: 100% (15/15), done.
Resolving deltas: 100% (6/6), done.
R
```

**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--

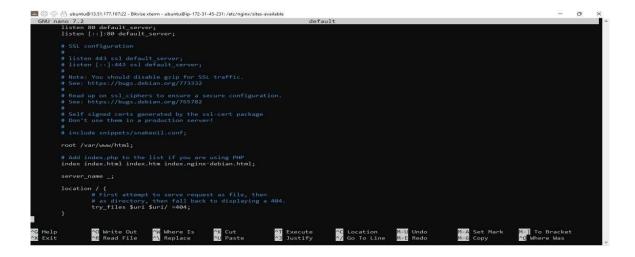
```
In this step edit the "location" part only with - location / {

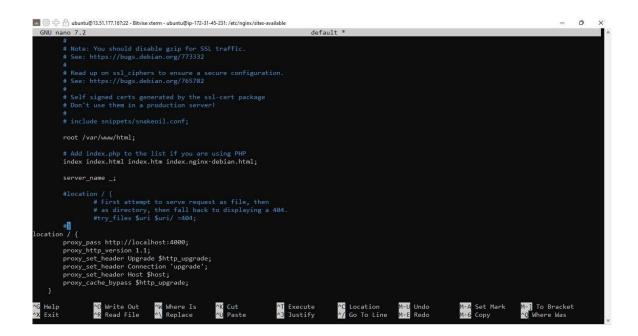
proxy_pass <a href="http://localhost:4000">http://localhost:4000</a>; proxy_http_version 1.1;

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).

