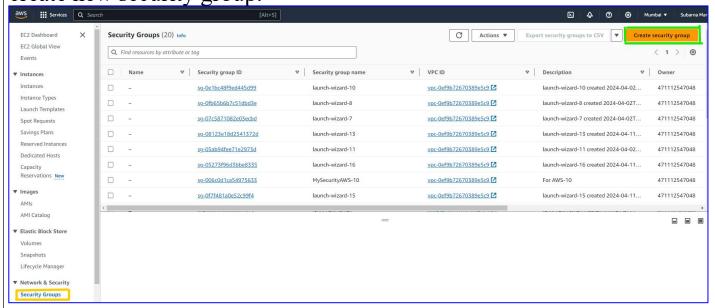
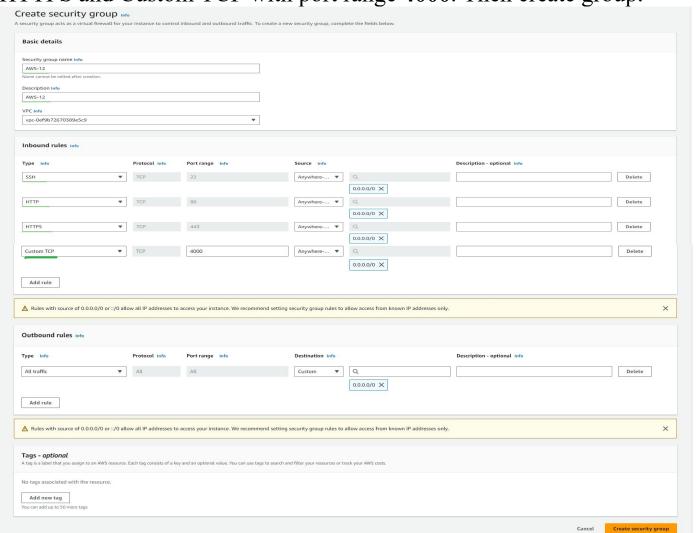
Assignment No:-12

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

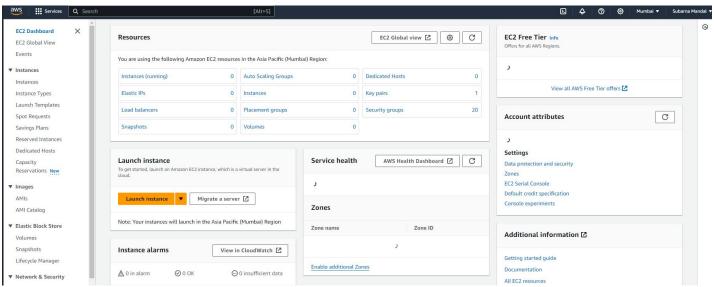
<u>Step - 1:</u> Login to AWS, search for EC2 then click security groups to create new security group.



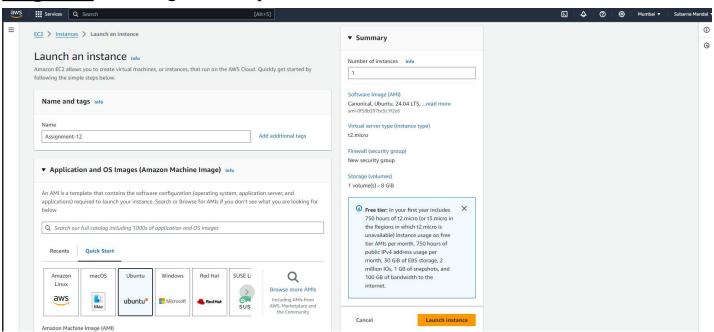
<u>Step - 2:</u> Now provide security group name, Inbound rules SSH, HTTP, HTTPS and Custom TCP with port range **4000**. Then create group.



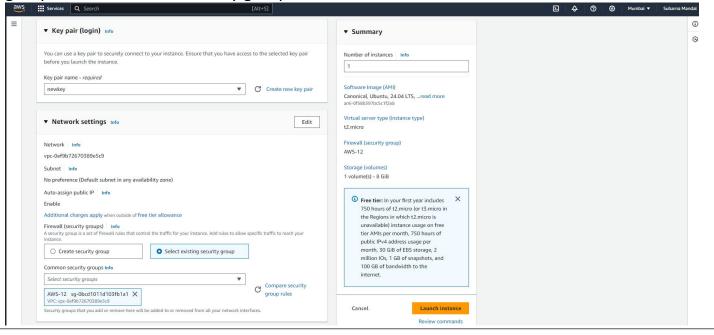
Step - 3: Go to EC2 dashboard and click on Launch Instance.



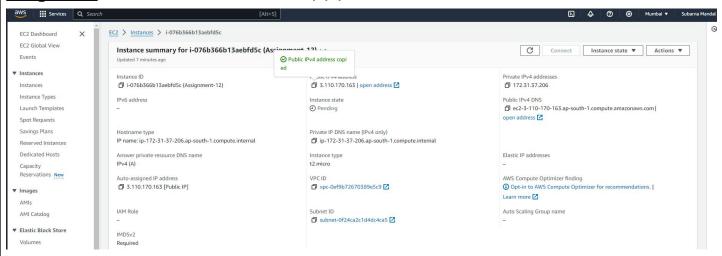
Step - 4: After it give a unique name and then click on Ubuntu.



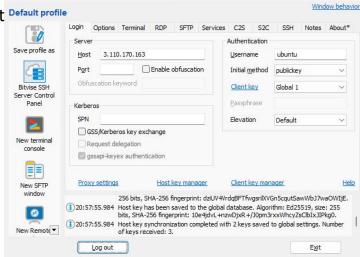
<u>Step - 5</u>: Now select key pair and in network settings also click on "Select existing security group" then select the security group which was created and click on Launch Instance.



Step - 6: Click on instance and copy public IPv4 address.



Step - 7: Paste the IPv4 address in host of BitVise SSH client and import key pair in Client key pair manager. After that click on Log In.



Step - 8: Now open terminal in BitVise SSH and then write all commands:

Pwd

ubuntu@ip-172-31-37-206:~\$ pwd /home/ubuntu

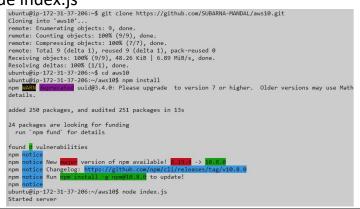
• sudo apt-get update

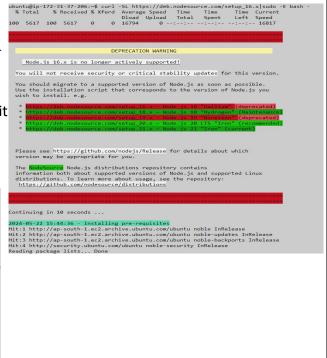
• sudo apt-get upgrade

• sudo apt-get install nginx

• curl -SL https://deb.nodesource.com/setup_16.x|sudo -E bash -

- Sudo apt install nodejs
- git clone https://github.com/SUBARNA-MANDAL/aws10.git
- cd repo2
- npm install
- node index.js





<u>Step - 9</u>: Now server has started. If we paste it with port 4000 in url section then we can see nginx has started. To stop server click (ctrl+c).



Step - 10: Now write these all commands:

```
cd /
pwd
cd etc/nginx/sites-available/
sudo nano default
Last login: Wed May 22 15:35:04 2024 from 49.37.9.83
ubuntu@ip-172-31-37-206:/$ cd /
ubuntu@ip-172-31-37-206:/$ pwd /
ubuntu@ip-172-31-37-206:/$ cd etc/nginx/sites-available/
```

Step - 11:

A new window will be opened. There at first go to location area and comment all codes and the write:

Step - 12: Now open new server terminal and write the commands

- cd repo2
- sudo systemctl restart nginx.

Step - 13:

Now copy that public IPv4 address again and paste it in url and there we can see that without giving port **4000** with url we have hosted the website.

