ASSIGNMENT-12

Problem Statement: Deploy a project from GitHub to EC2 without using Port.

Procedures:

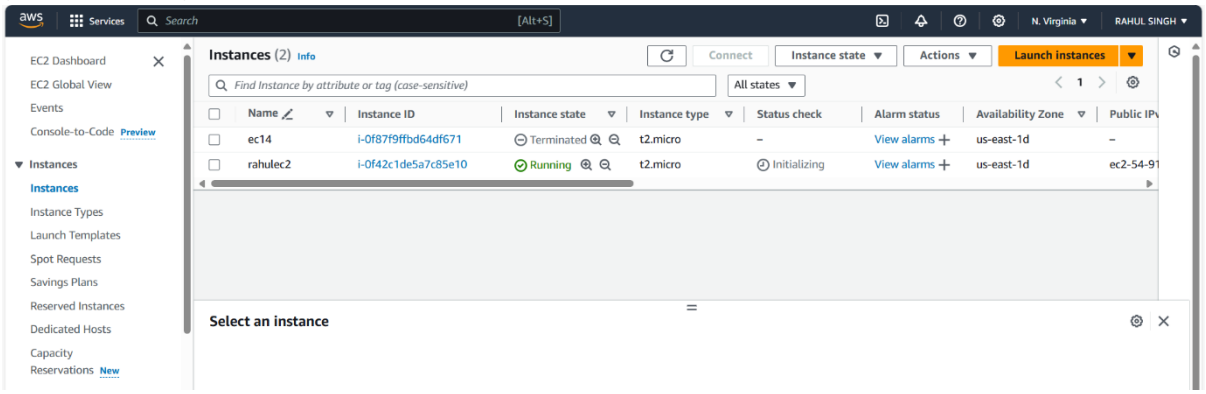
1. Sign-in to AWS console.

2. Go to the EC2 dashboard. Now go to the instances page.

3. Click on the create new instance button.

4. Now create an EC2 server using the Security Group created earlier and enter the user data

(Refer to Ass10)



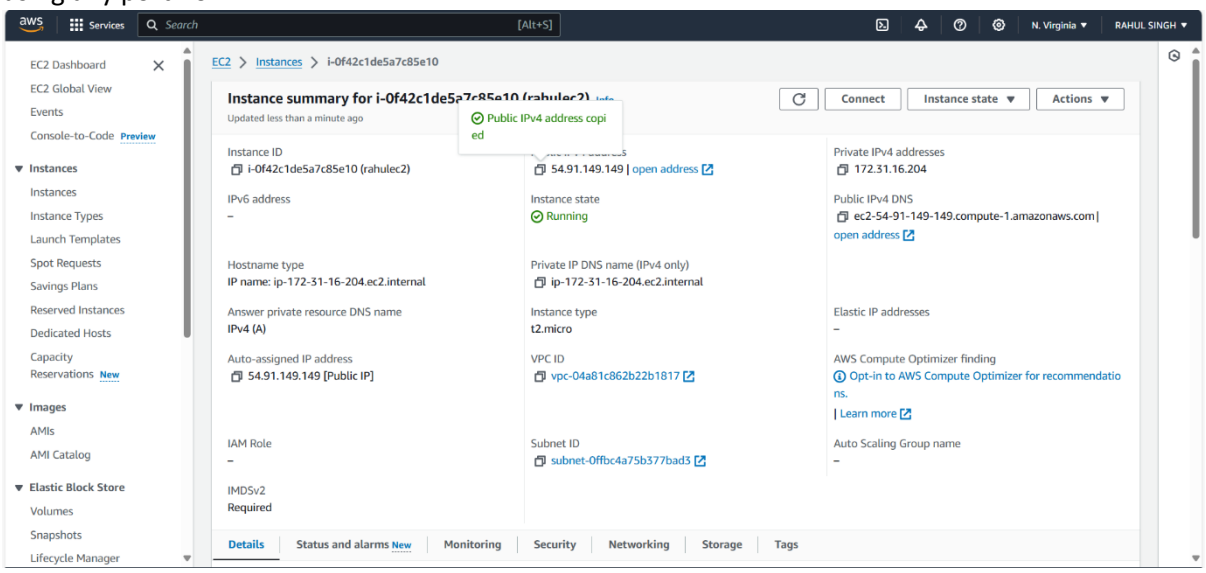
5. Create the instance and click on the instance after creation.

6. Copy the public IPv4 address and paste it in another browse. The nginx homepage will show up.

Our server is working perfectly. Note, in previous assignments we used to connect to our project

webpages using port no. However, in this exercise we are going to access our project webpage without

using any port no.

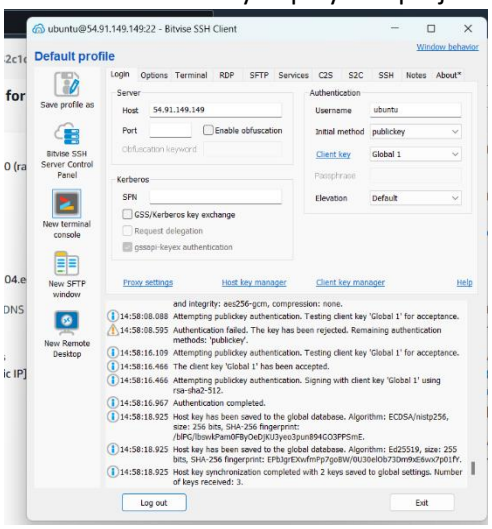


7. Copy the Public IPv4 address of the server instance and use this to connect it to the server using Bitvise

SSH client. (Refer Ass7)

8. Now open the terminal in Bitwise without entering our port no.

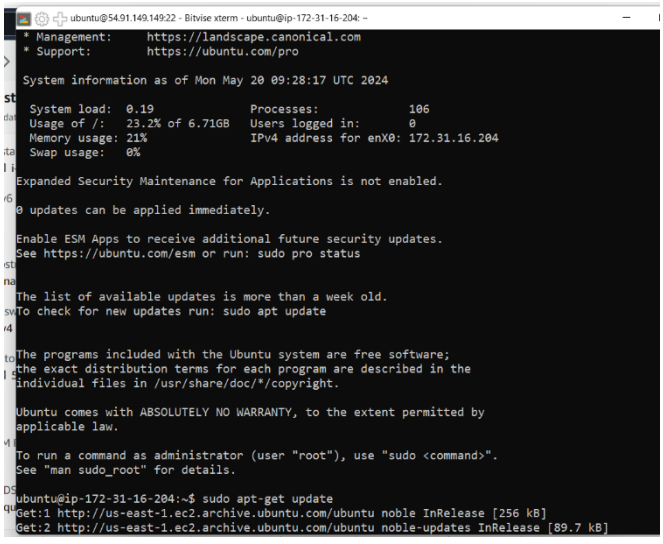
We have successfully deployed a project from GitHub to EC2 without using port.



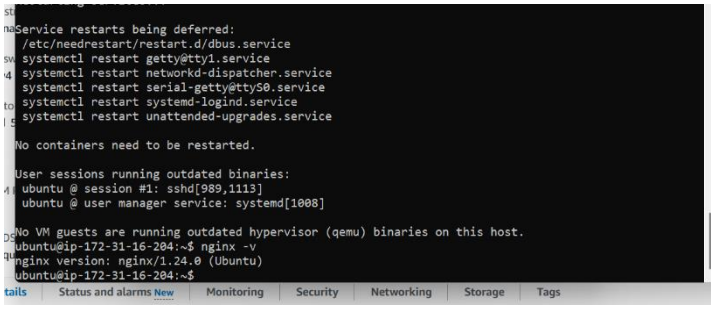
9. Enter the following commands in it.

Sudo apt - get update

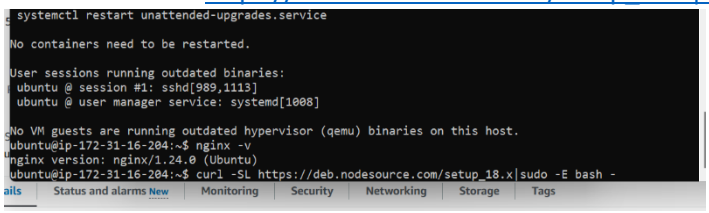
Sudo apt -get upgrade



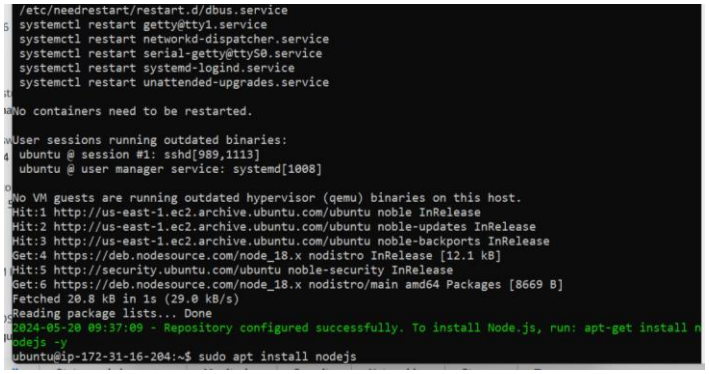
10.Write the command nginx -v to check the version



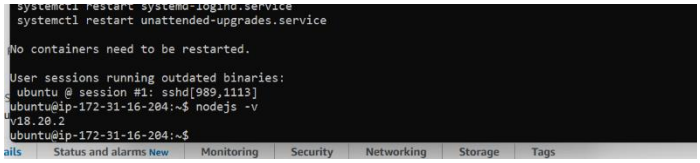
11.Write curl -SL https://deb.nodesource.com/setup_18.x|ssudo -E bash -



12.Then we have to install nodejs for installing nodejs we write the command sudo apt install nodejs.



13.To check the version we write nodejs -v



14 Enter the following commands in it.

pwd

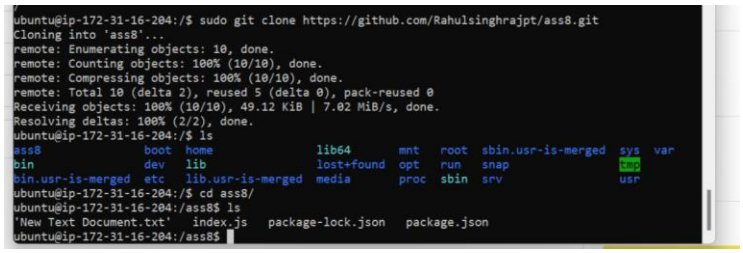
(To check current directory)

cd /

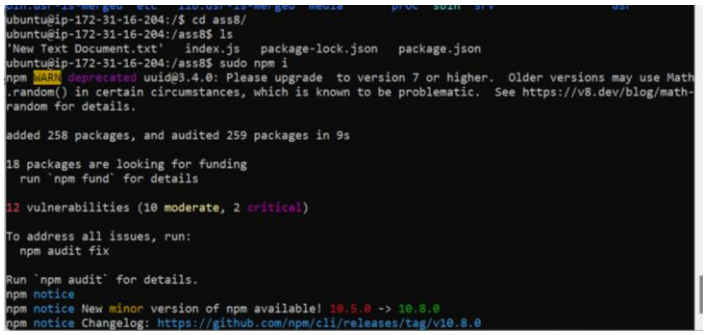
(To go to root folder)

pwd

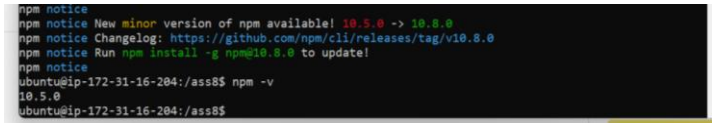
write ls.



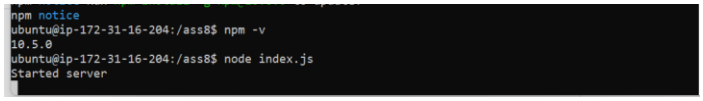
15.For npm installing we write sudo npm i imeans install.



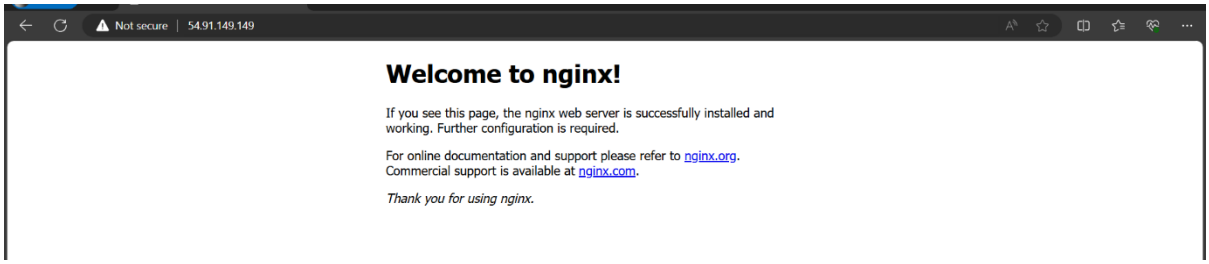
16.After installing npm we have to check the version of npm for checking the version of npm we write npm -v.



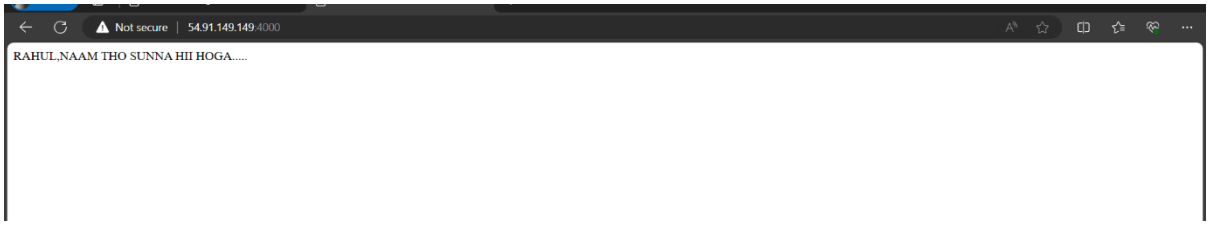
17.Then we shall started the server for stating the server we write node index.js



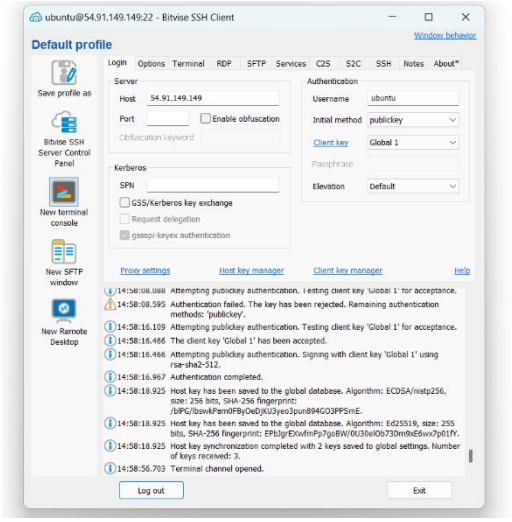
18.Copy the ipv4 public address and paste them into new window the nginx will be running.



19.Then we wite the 4000 with the port to connect the index.js file.



20.Again we will open new terminal console.



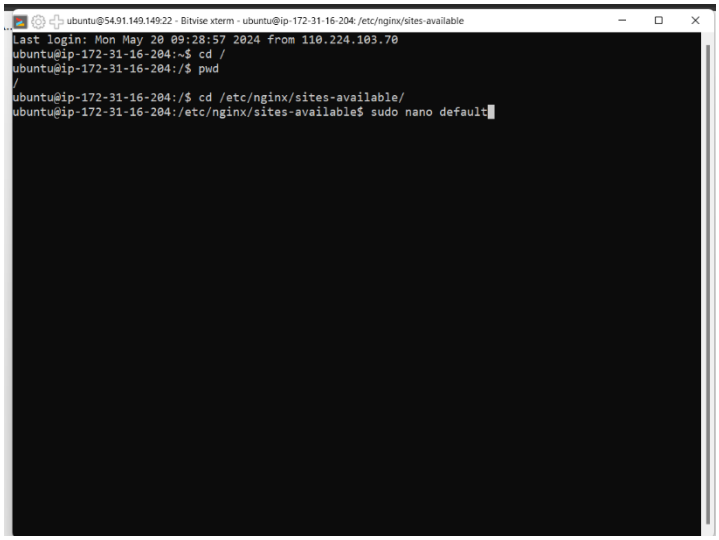
21.Here we write the following command

Cd /

Pwd

Cd /etc/nginx/sites-available

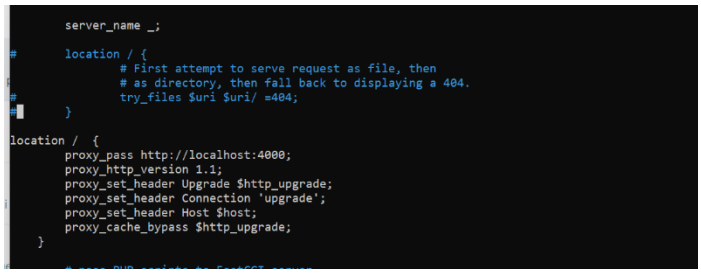
Sudo nano default



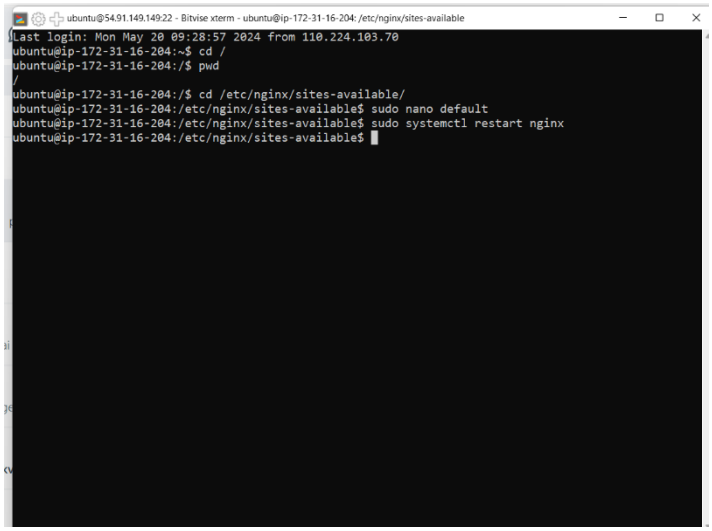
22.The we write the new location and previous loctation we will comment out then write the new location.

The after we press the ctrl x for exit

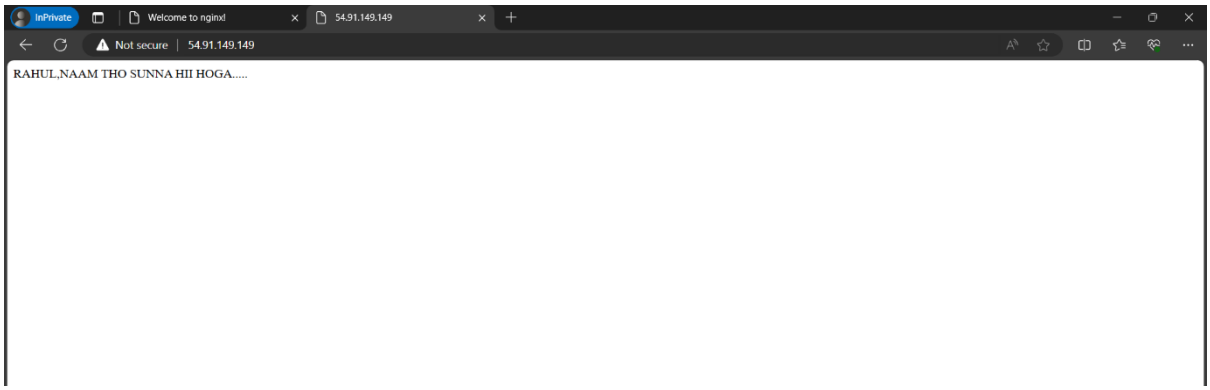
Then press Y.



23.Again we back to our terminal.



24.And now we open the new windows copy the ipv4 public address here we not write the :4000 port number then when we paste the port the tap the enter our project will deploy without port.



without entering our port no.

We have successfully deployed a project from GitHub to EC2 without using port.