Assignment : 9
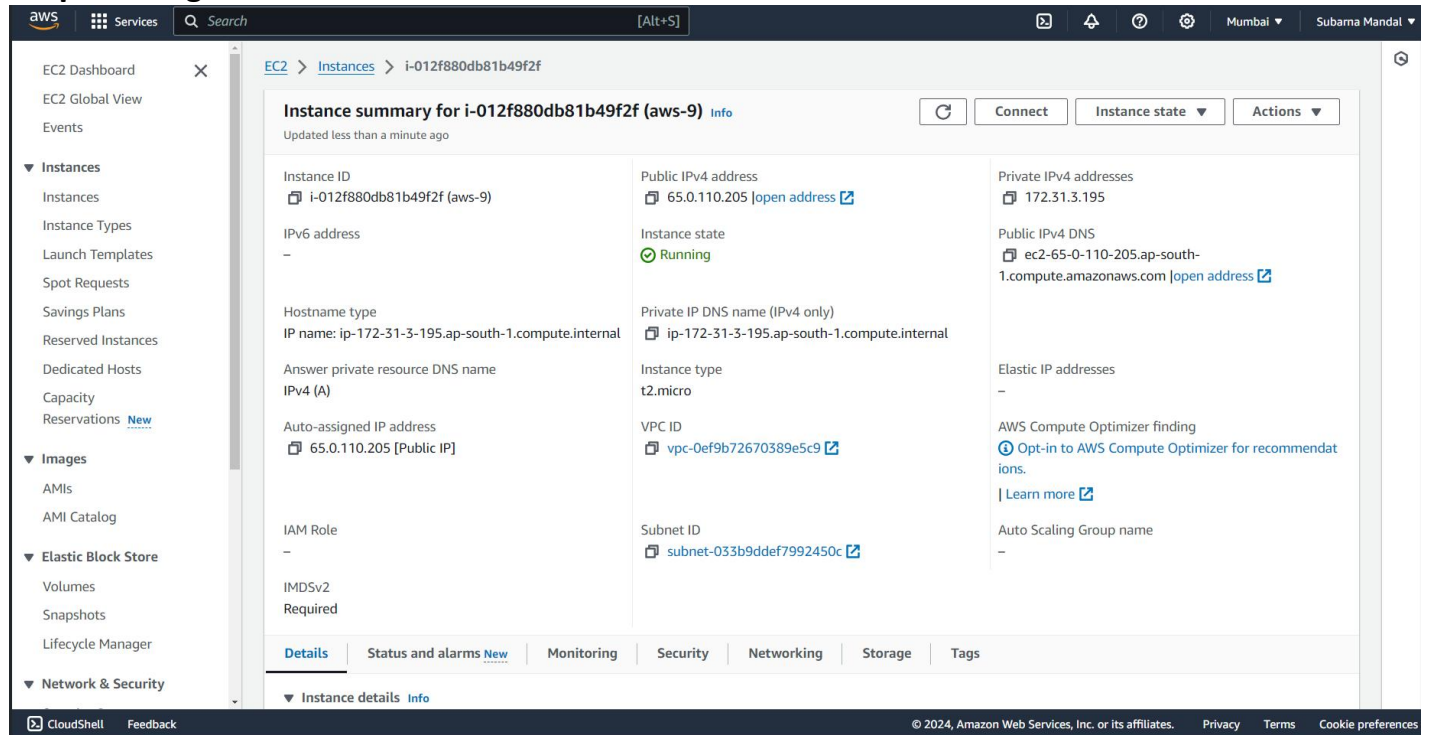
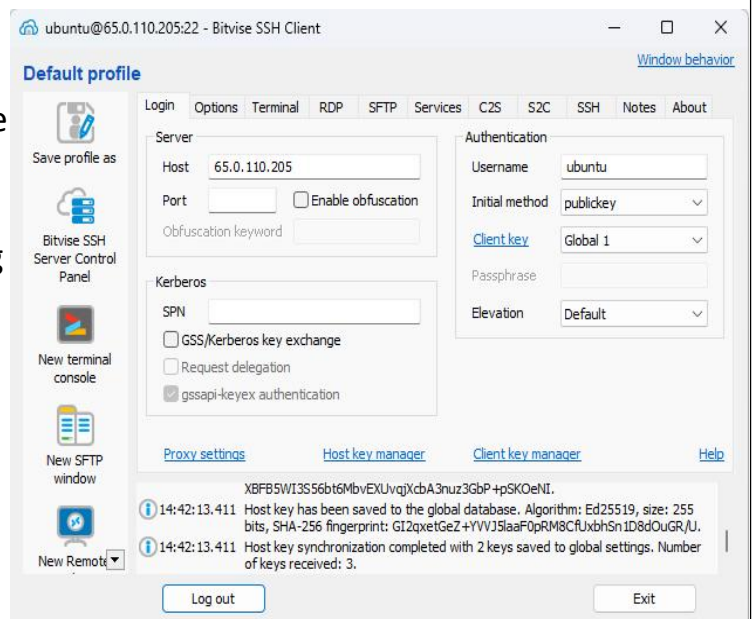**Probblem Statement :** Deploy a project from Github to EC2

Procedure :

Step 1 : Log in to AWS and create an EC2 Instance.

Step 2 :

i) Open Bitvise SSH Client Application and
    Paste the public IPv4 of the instance in the
    Host field.

ii) Give Username as ubuntu.

iii) Click Client Key Manager, remove existing
    Keys and import the new key.

iv)Log in. in User Authentication.

Step 3 : Open New terminal console.
        Enter and execute the following
        Commands.

> ➤ Pwd
> ➤ sudo apt-get update
> ➤ sudo apt-get upgrade
> ➤ sudo apt-get install nginx
> ➤ curl -SL https://deb.nodesource.com/setup_18.x | sudo -E bash
> ➤ sudo apt install nodejs
> ➤ node -v
> ➤ git clone https://github.com/moumita02314/myawsproject1

```
ubuntu@ip-172-31-3-195:~$ sudo apt install nodejs
Reading package lists... Done
Building dependency tree... Done
Reading state information... Done
nodejs is already the newest version (18.20.2-1nodesource1).
0 upgraded, 0 newly installed, 0 to remove and 0 not upgraded.
ubuntu@ip-172-31-3-195:~$ node -v
v18.20.2
ubuntu@ip-172-31-3-195:~$ git clone https://github.com/moumita02314/myawsproject1
Cloning into 'myawsproject1'...
remote: Enumerating objects: 15, done.
remote: Counting objects: 100% (15/15), done.
remote: Compressing objects: 100% (14/14), done.
remote: Total 15 (delta 6), reused 4 (delta 0), pack-reused 0
Receiving objects: 100% (15/15), done.
Resolving deltas: 100% (6/6), done.
```

Step 4 : Enter in the directry "myawsproject1" and execute the following commands:

- ➢ dir
- ➢ cd Assign8-Repo2
- ➢ ls
- ➢ npm install
- ➢ node index.js

```
ubuntu@ip-172-31-3-195:~$ cd myawsproject1
ubuntu@ip-172-31-3-195:~/myawsproject1$ npm install
npm WARN deprecated uuid@3.4.0: Please upgrade  to version 7 or higher.  Older versions may use Math
.random() in certain circumstances, which is known to be problematic.  See https://v8.dev/blog/math-
random for details.

added 251 packages, and audited 252 packages in 40s

24 packages are looking for funding
  run `npm fund` for details

found 0 vulnerabilities
npm notice
npm notice New patch version of npm available! 10.5.0 -> 10.5.2
npm notice Changelog: https://github.com/npm/cli/releases/tag/v10.5.2
npm notice Run npm install -g npm@10.5.2 to update!
npm notice
ubuntu@ip-172-31-3-195:~/myawsproject1$ node index.js
Started server
```
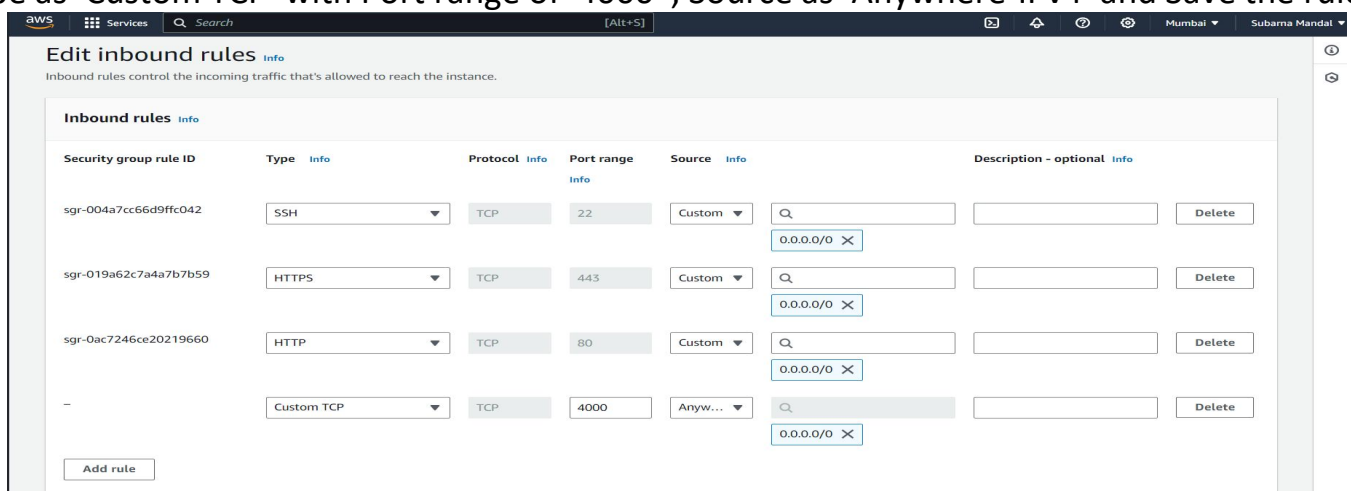
Step 5 :

The index.js file in GitHub consists of port no "4000". Go to the Security option of the instance -->Click the Security Group --> go to Edit inbound rules --> Click on Add rules --> set Type as 'Custom TCP' with Port range of '4000' , Source as 'Anywhere-IPv4' and Save the rule.

Step 6 : Go to web browser and give the port number after the public IPv4. Press Enter.

Hello mckv