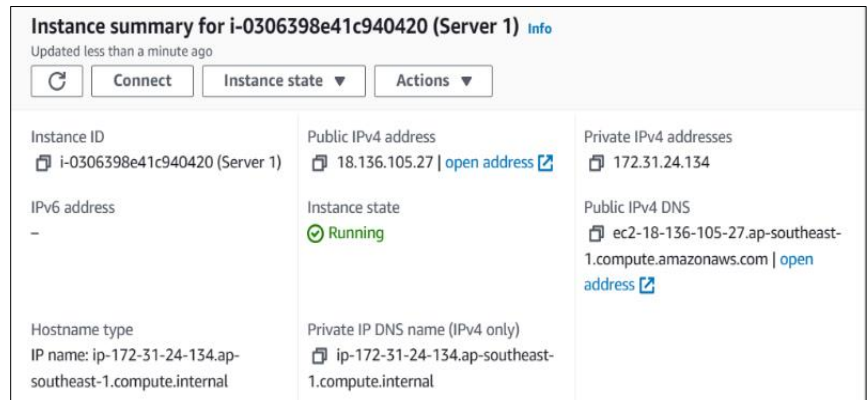


Assignment 12: Deploy and run project in AWS without using port.

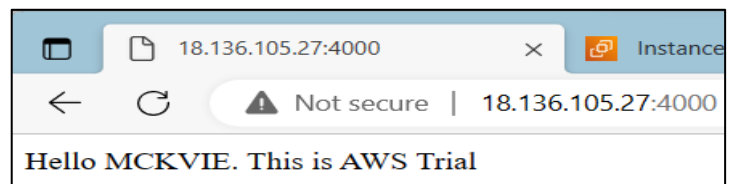
1. Create an **EC2 instance** with ubuntu OS and the Security Group created before. In **Advanced details** type the following in user data field.

- `#!/bin/bash`
- `apt-get update`
- `apt-get install -y nginx`
- `systemctl start nginx`
- `systemctl enable nginx`
- `apt-get install -y git`
- `curl -sL https://deb.nodesource.com/setup_18.x | sudo -E bash -`
- `apt-get install -y nodejs`
- `git clone https://github.com/Sayan-K-Dutta/Assign8-Repo2.git`
- `cd Assign8-Repo2`
- `npm install`
- `node index.js`

Create the instance.



2. Run the project using public IPv4 and port 4000.



3. Connect to the instance using **Bitwise SSH Client** and open **New terminal console**.
4. Go to the directory `cd /etc/nginx/sites-available` and open the **default** file using command `sudo nano default`.
5. Comment the existing location part of the code and write the given code in that place.

```
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;  
}
```

```
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;  
}
```

6. Save and close the file.
7. Type the command to restart nginx server: `sudo systemctl restart nginx`

```
ubuntu@ip-172-31-24-134:~$ cd /  
ubuntu@ip-172-31-24-134:/$ pwd  
/  
ubuntu@ip-172-31-24-134:/$ cd /etc/nginx/sites-available  
ubuntu@ip-172-31-24-134:/etc/nginx/sites-available$ sudo nano default  
ubuntu@ip-172-31-24-134:/etc/nginx/sites-available$ sudo systemctl restart nginx  
ubuntu@ip-172-31-24-134:/etc/nginx/sites-available$
```

8. Run the project using the IPv4 address only.

