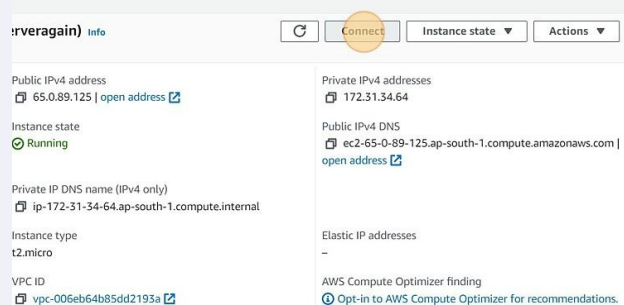


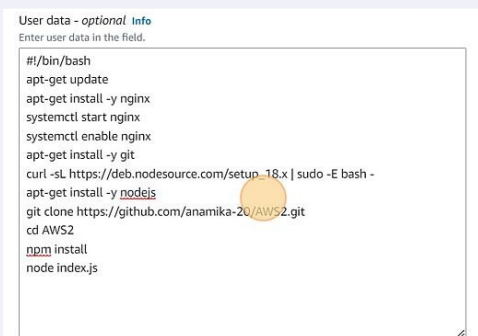
Deploy and run project in AWS without using port

For this assignment , we will follow the steps of Assignment 10 (Deploy project from GitHub to EC2 by creating new security group and user data.)

- 1
 - Visit aws.amazon.com and Sign in. Go to EC2 Service and click on "Security Groups"
 - Select all security groups except the default and choose "Delete security groups"
 - Click on "Create security group". Enter the "Security group name" and "Description"
 - Add the Inbound rules with details as shown in the figure. After entering the details click on "Create security group"



- 2
 - Go to EC2 dashboard and Click on "Launch Instance"
 - Enter the instance name and select Ubuntu as Amazon Machine Image
 - Select key pair
 - "Select existing security group" and in the security group dropdown select the security group which you just created
 - Type the following user data under advanced details section. Then click on create instance. Type the following:



3

- Login to Bitwise SSH client using the public IP address.
- Now login in Bitwise SSH client using the public ip address. Open the terminal and type the following commands and then open nano editor. In the nano editor after commenting the previous location type the new location as given below and then save and exit.

```
ubuntu@ip-172-31-37-226:~$ pwd
/home/ubuntu
ubuntu@ip-172-31-37-226:~$ cd /
ubuntu@ip-172-31-37-226:/$ pwd
/
ubuntu@ip-172-31-37-226:/$ cd /etc/nginx/sites-available/
ubuntu@ip-172-31-37-226:/etc/nginx/sites-available$ sudo nano default
```

```
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;
}
```

4

After exiting the nano editor, type the following command in the terminal to restart the nginx web server. After restarting the nginx web server you will be able to access the website without the port number. Hence we are running project in AWS without using port number.

```
ubuntu@ip-172-31-37-226:/etc/nginx/sites-available$ sudo nano default
ubuntu@ip-172-31-37-226:/etc/nginx/sites-available$ sudo systemctl restart nginx
```

