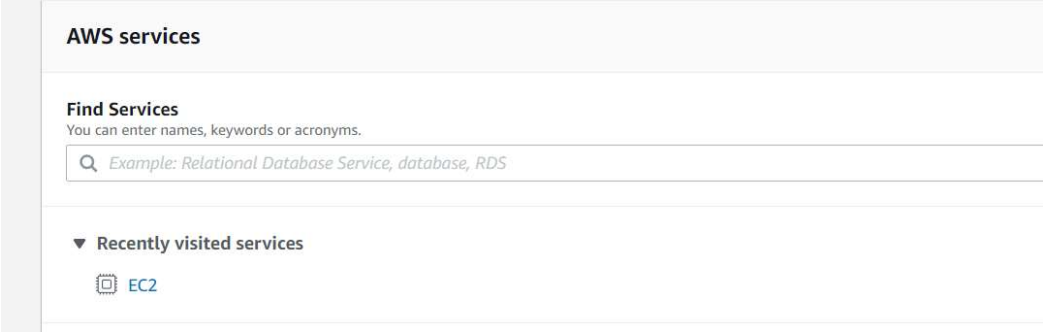
Step 1 Create an Ubuntu Server

Sign into Amazon AWS account

Get into AWS console page.

Click EC2 sever, chose Ubuntu server.



Download the security key (xxx.pem).

Step 2 Connect to the Ubuntu Server

Put the security key in to the .ssh folder and changes its permissions to 400.

Commend: chmod 400 .ssh

Sign in:

sudo ssh -i xxx.pem ubuntu@xx.xxx.xxx.xx

```
liyua@MSI MINGW64 ~/.ssh (master)
$ chmod 400 AME394.pem

liyua@MSI MINGW64 ~/.ssh (master)
$ ssh -i "AME394.pem" ubuntu@ec2-3-16-125-127.us-east-2.compute.amazonaws.com
```

Step 3 setup the ubuntu server

Install Node, Build from Source

curl -O http://nodejs.org/dist/v0.10.29/node-v0.10.29.tar.gz

tar -xvzf node-v0.10.29.tar.gz

cd node-v0.10.29

./configure --prefix=/opt/node

make

sudo mkdir -p /opt/node

sudo chown -R ubuntu.ubuntu /opt/node

make install

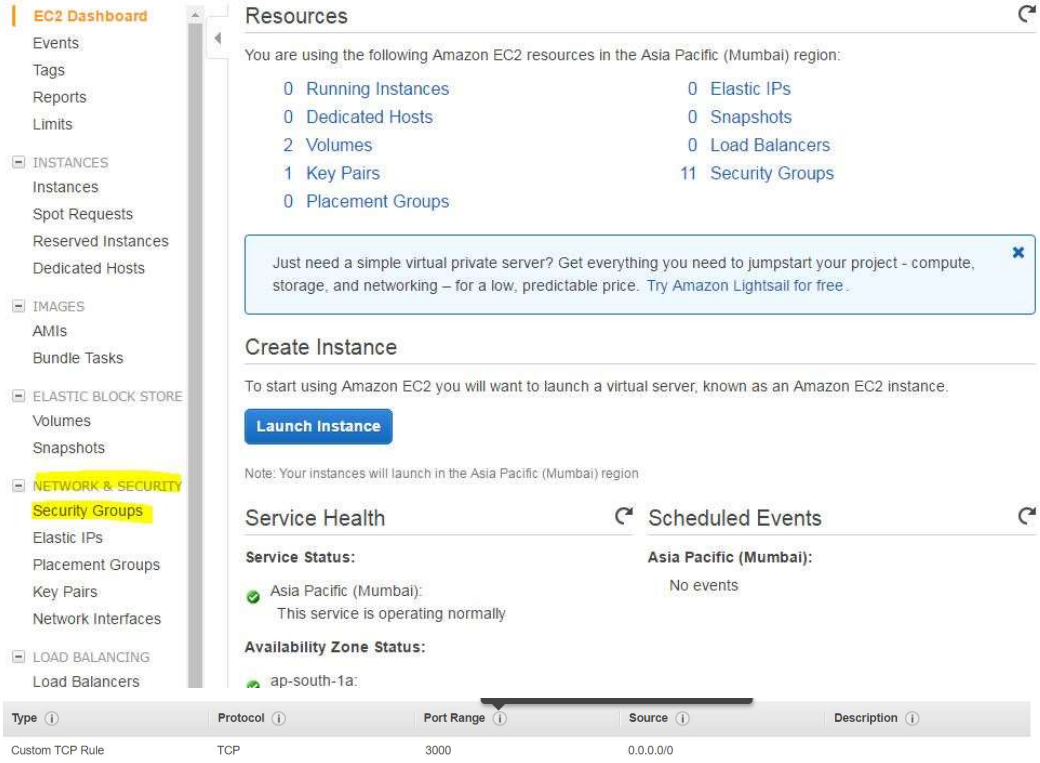
Use git clone to clone all the stuff to the server

git clone https://github.com/tejaswigowda/AME394Fall2019.git

```
ubuntu@ip-172-31-47-197:~$ git clone https://github.com/tejaswigowda/AME394Fall2019.git
Cloning into 'AME394Fall2019'...
```

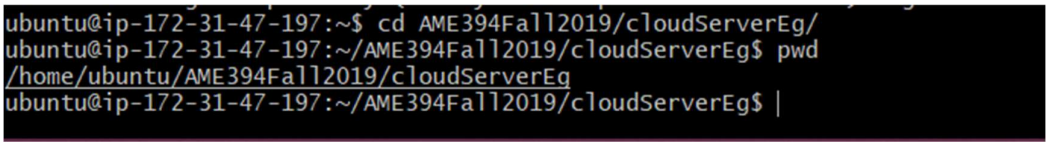
Step 4 run the program on the server

Set up the ubuntu port 3000 open in the security group



Locate to the cloudServerEg folder

cd AME394Fall2019/cloudServerEg/



Run the program

node server.js