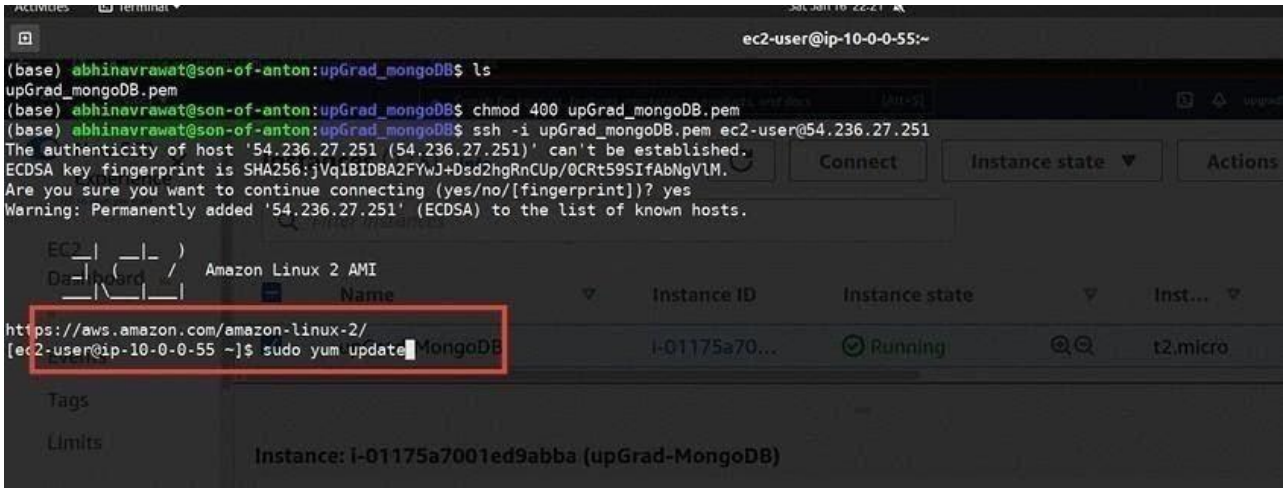
Installing MongoDB Community Version in Amazon EC2 Instance for Linux/Mac user

Prerequisite:

- Make sure you have set up MyIP in your instance's inbound security group.

- Run the following command to apply any available updates.

```
sudo yum update
```



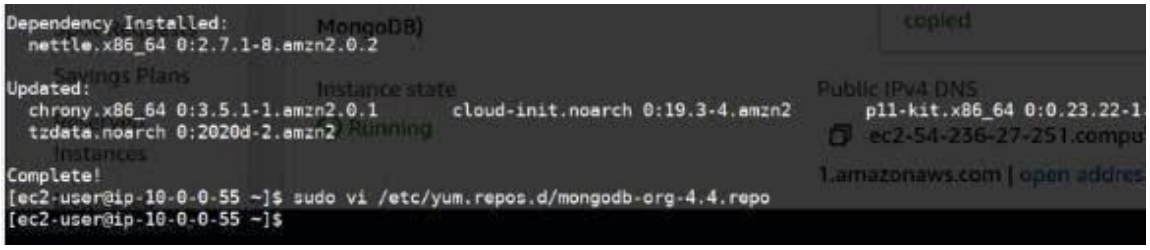
After hitting enter,terminal will ask - "Is this ok [y/d/N]"

You need to type **y**

- In the next step, create a **`/etc/yum.repos.d/mongodb-org-4.4.repo`**

file.This will ensure that you can install MongoDB directly using yum:

Command :- **`sudo vi /etc/yum.repos.d/mongodb-org-4.4.repo`**

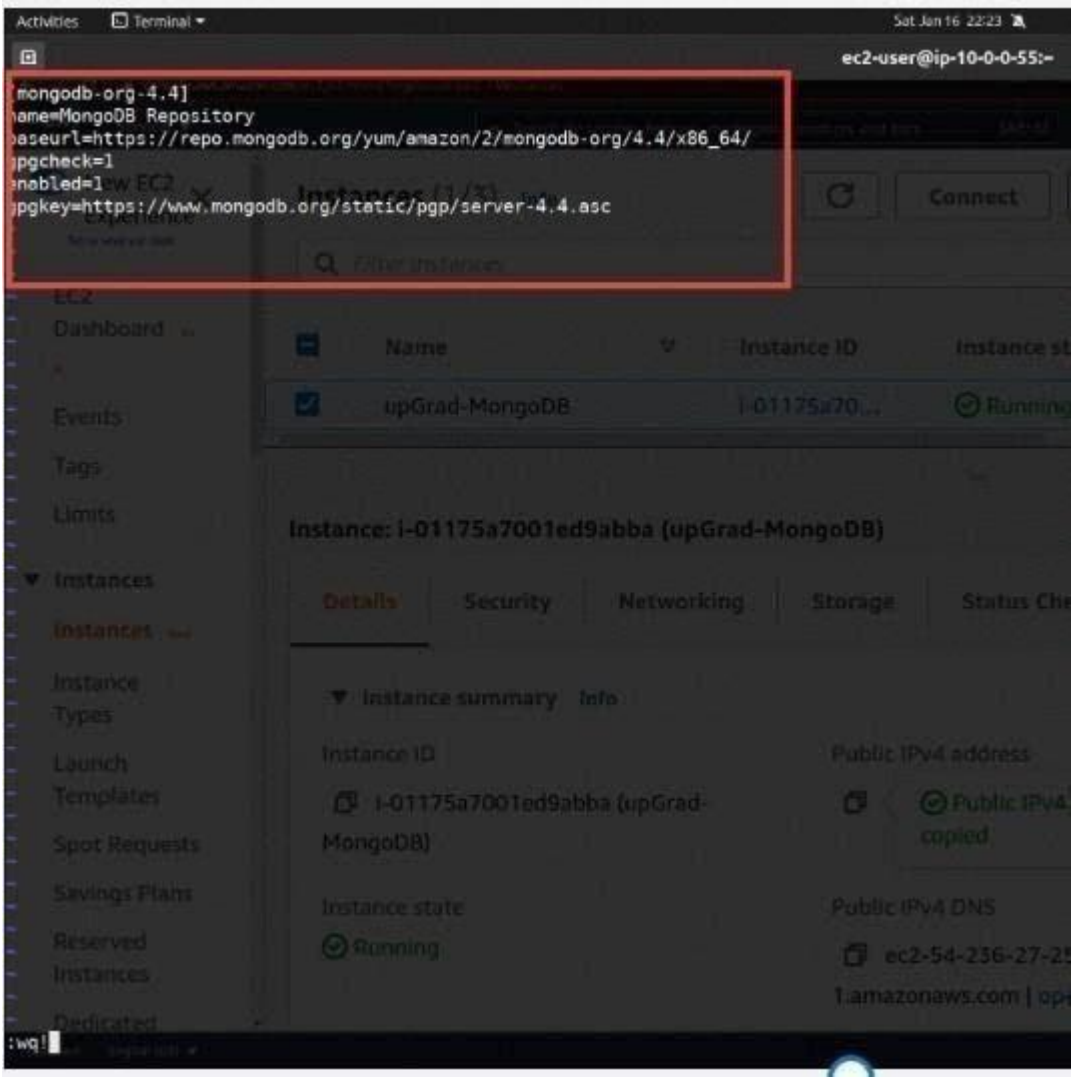


- Hit “Enter” and to enter the editing mode, press i on the keyboard.

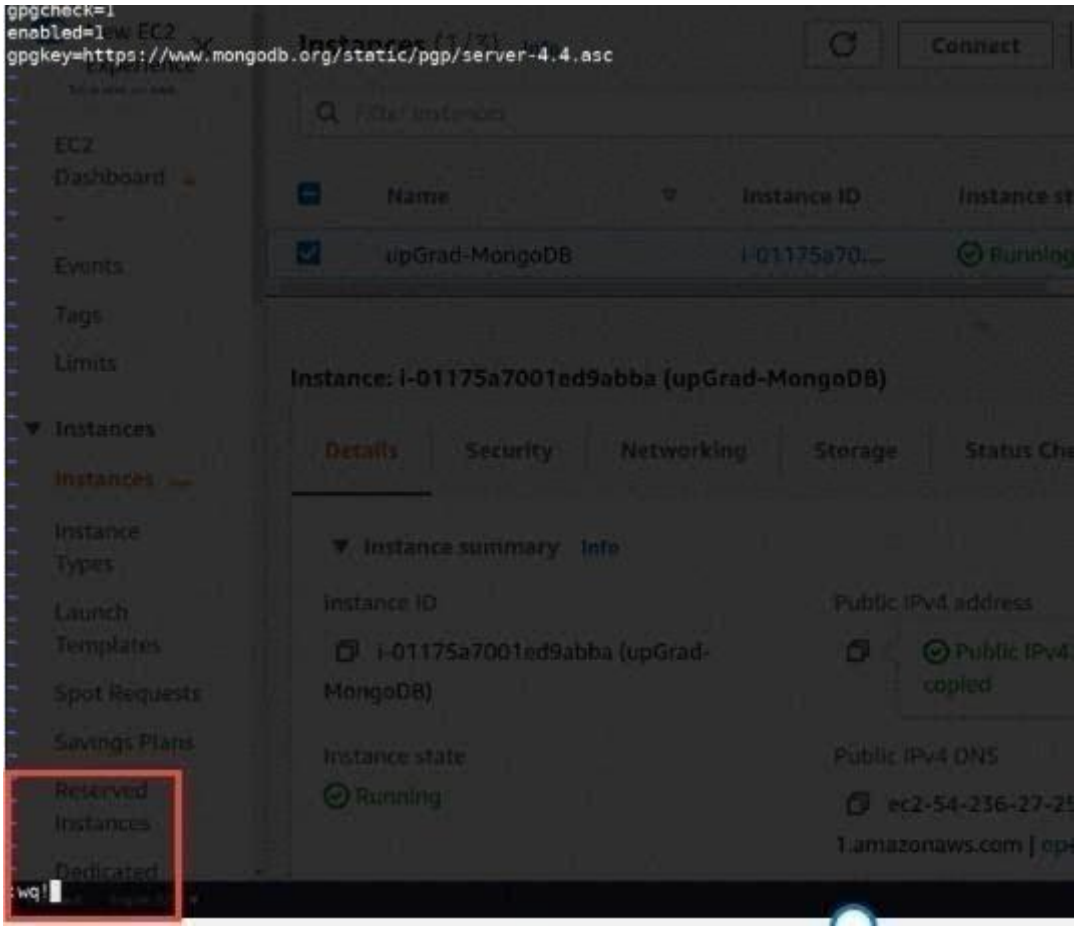
  As soon as you do that , you would be able to see ‘~~INSERT’ in the bottom of the terminal.

- Copy paste the below command in the terminal.

```
[mongodb-org-4.4]
name=MongoDB Repository
baseurl=https://repo.mongodb.org/yum/amazon/2/mongodb-org/4.4/x86_64/
gpgcheck=1
enabled=1
gpgkey=https://www.mongodb.org/static/pgp/server-4.4.asc
```



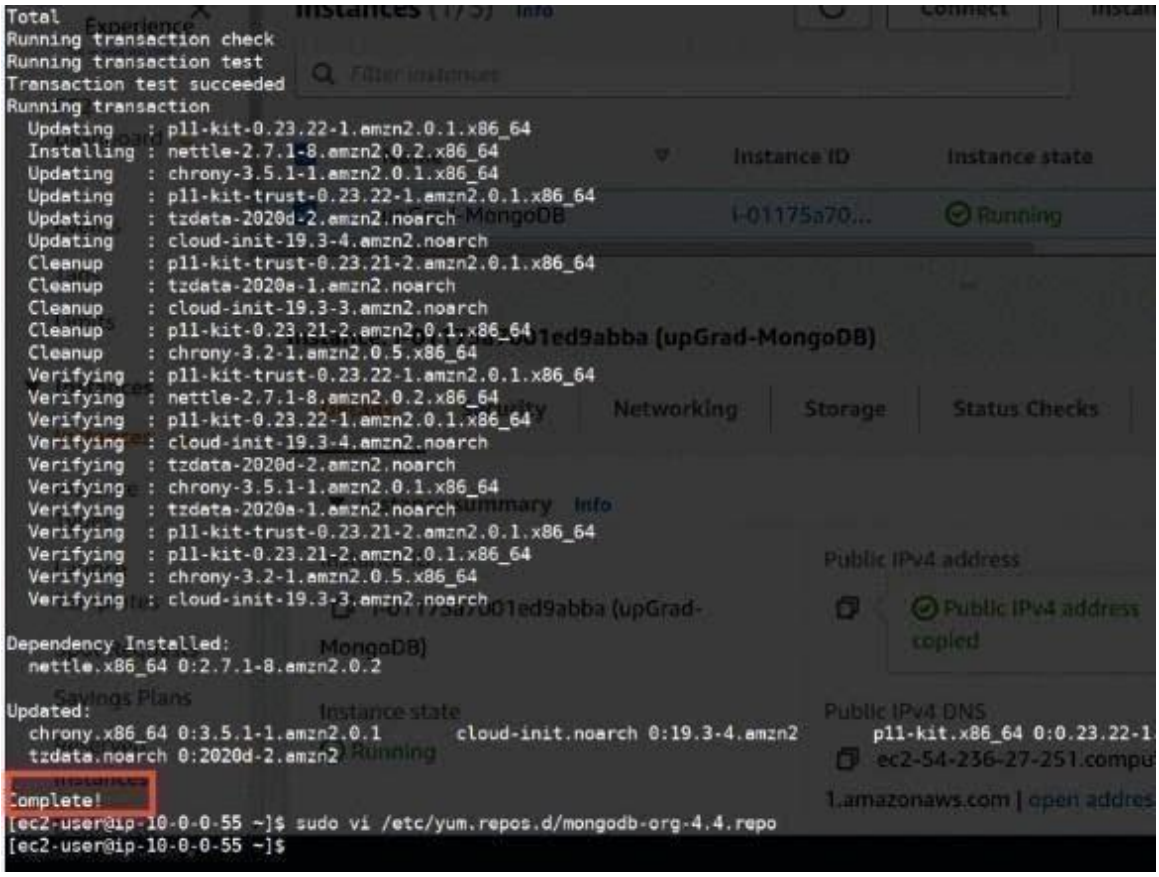
- To exit the vi editor –
  - Press **Escape** on your keyboard.
  - Type the **write-quit** command - **:wq!**
  - If you don’t wish to save the changes, type **quit** command - **:q!**
  - Hit Enter



- To install the latest stable version of MongoDB, issue the following command:

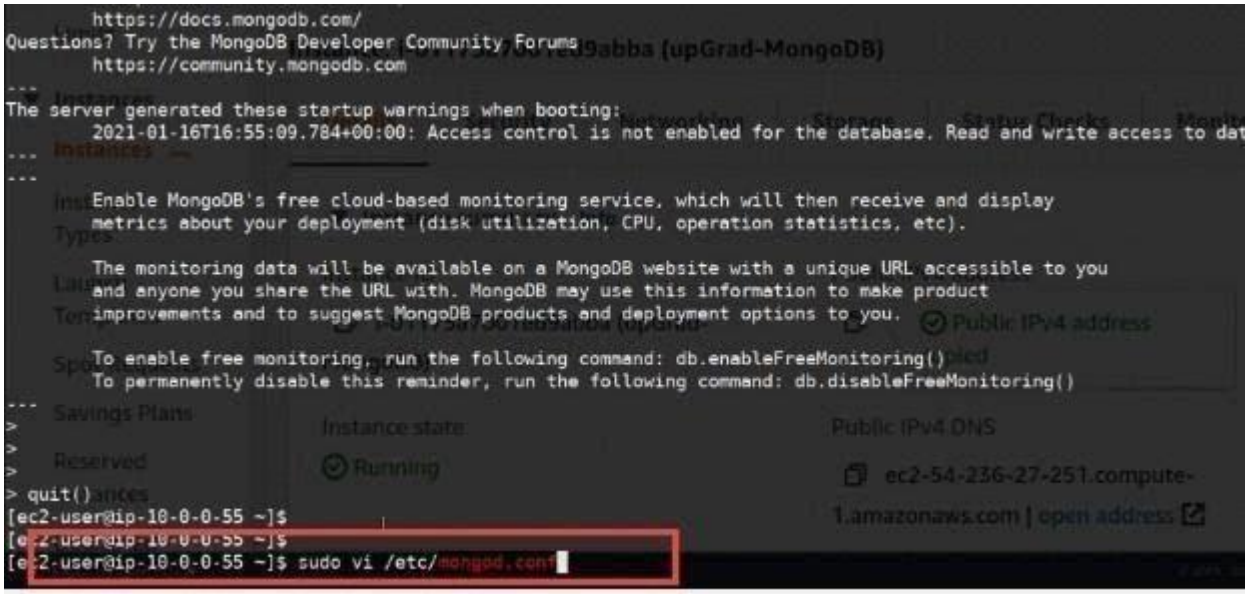
```
sudo yum install -y mongodb-org
```

- Once finished, “completed” message should be displayed.



- To connect to this MongoDB instance from anywhere, you need to modify the config file.This will open MongoDB port [27017] for all IPs

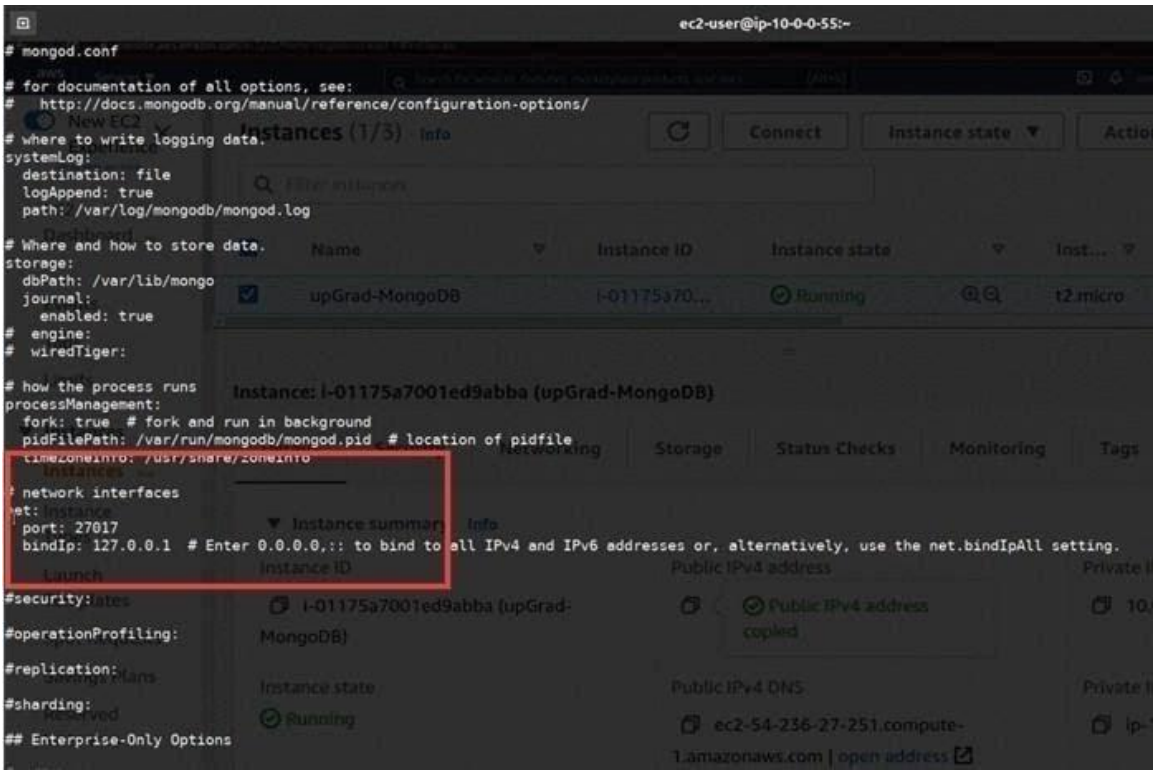
Command for modifying config files- **`sudo vi /etc/mongod.conf`**



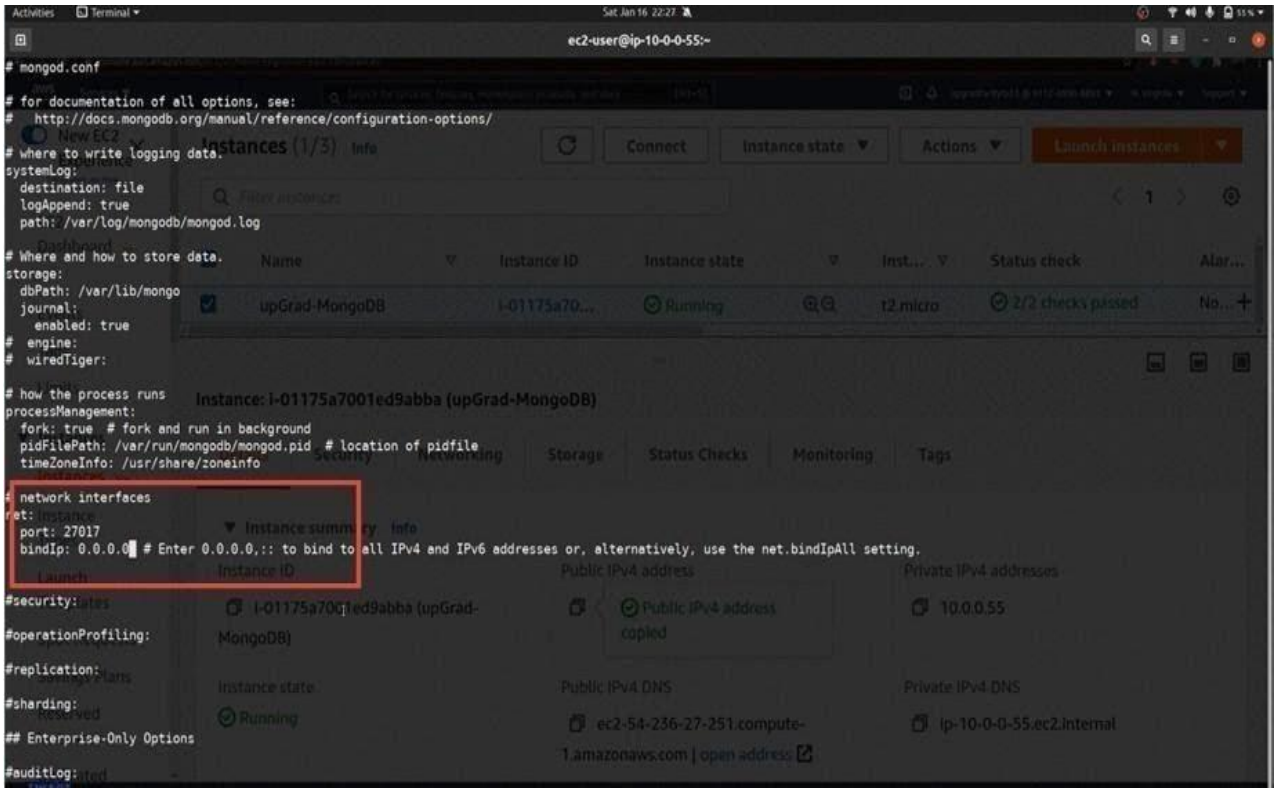
- Hit “Enter” and to enter the editing mode, press i on the keyboard.

  As soon as you do that , you would be able to see ‘~~INSERT’ in the bottom of the terminal.

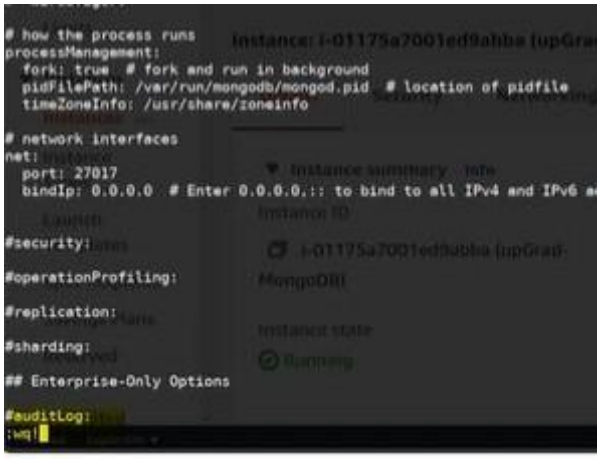
- Scroll down and come to **bindIp** in **network interfaces**



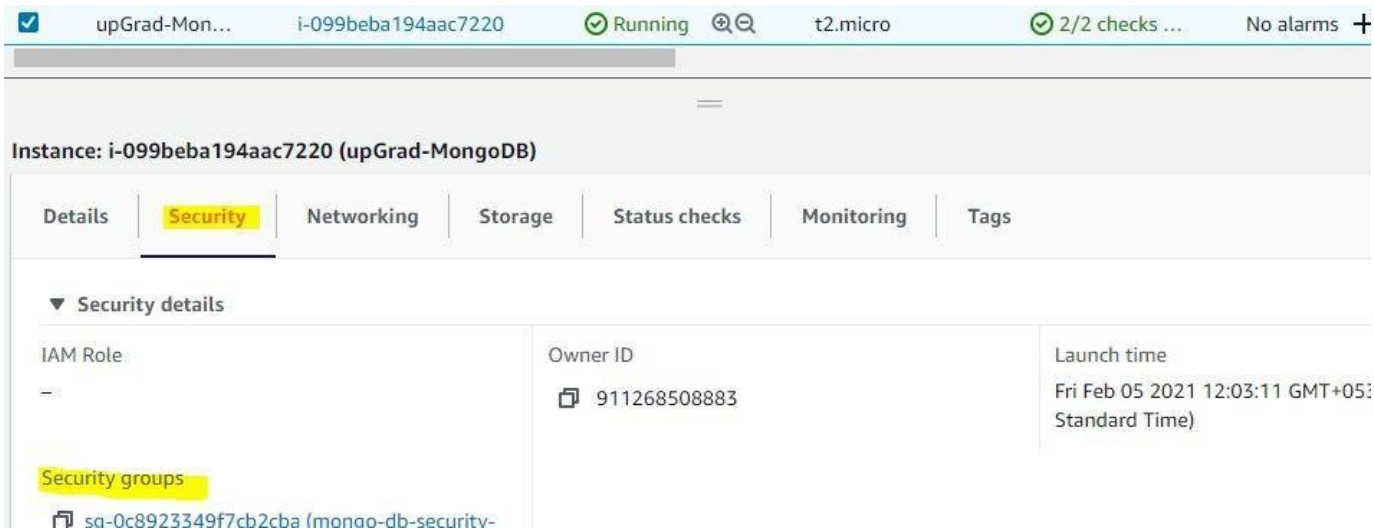
- Change the **bindIp** address from **127.0.0.1** to **0.0.0.0** .

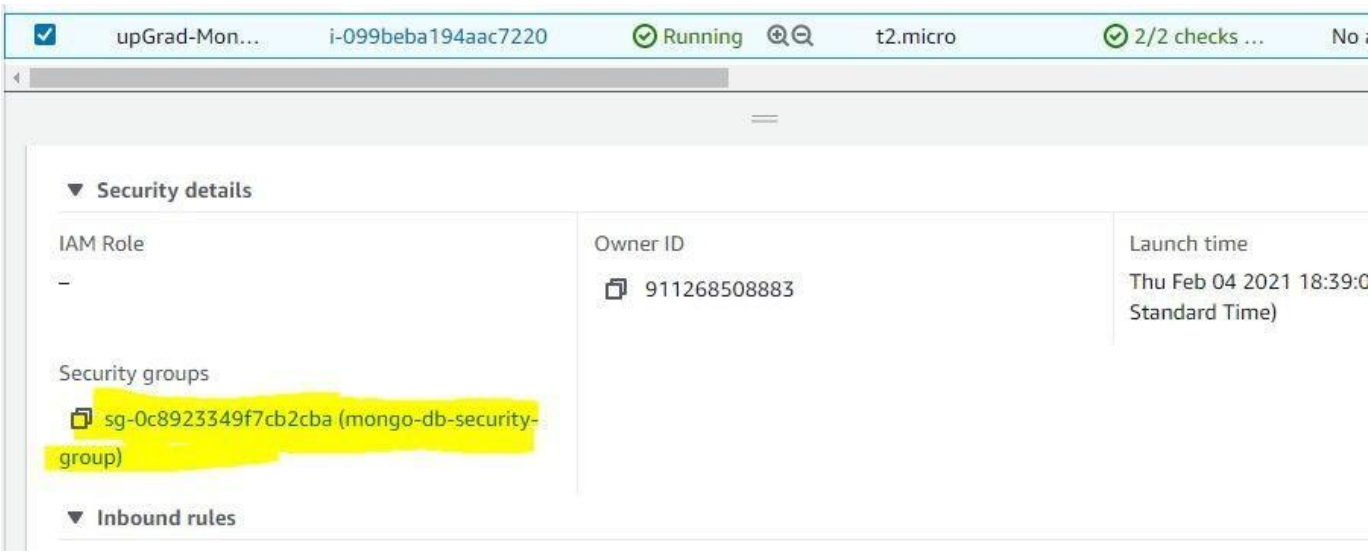


- To exit the vi editor-
    - Press **Escape** on your keyboard.
    - Type the **write-quit** command - **:wq!**
    - If you **don't** wish to save the changes, type **quit** command - **:q!**
    - **Hit Enter**

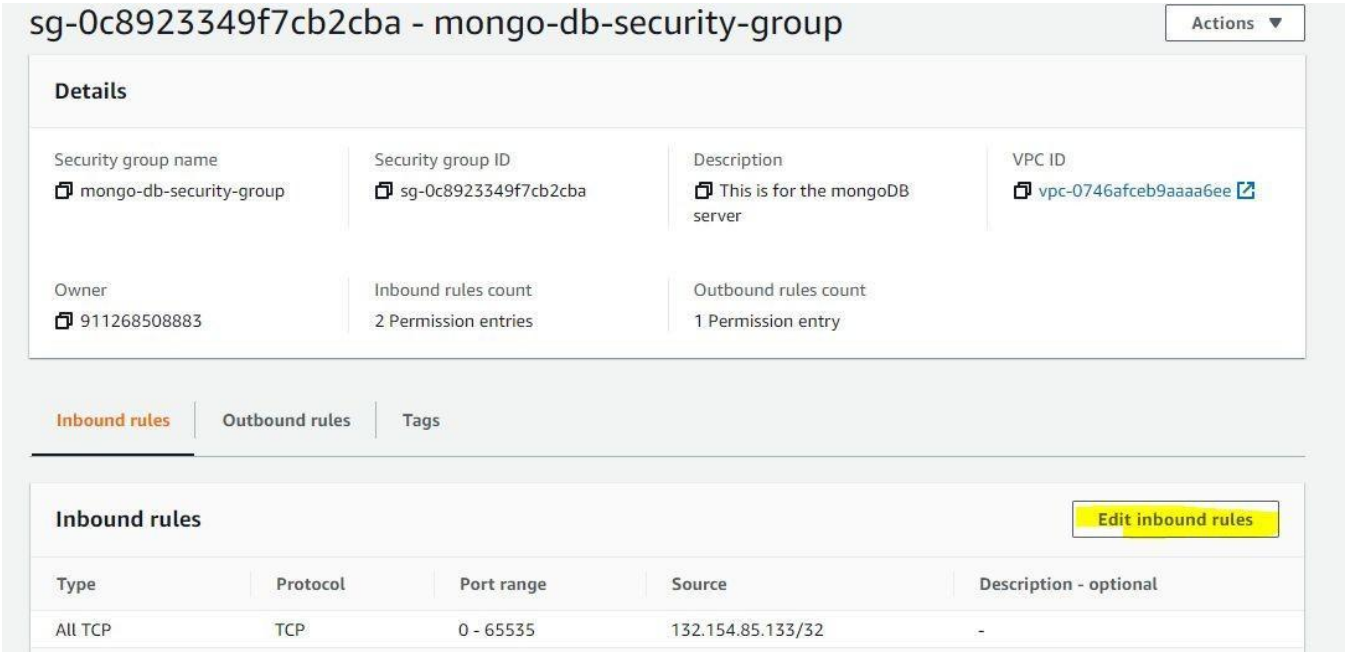


- Now go to your AWS instance and select your instance . Go to **Security Groups** and click on the **Security Group name.**



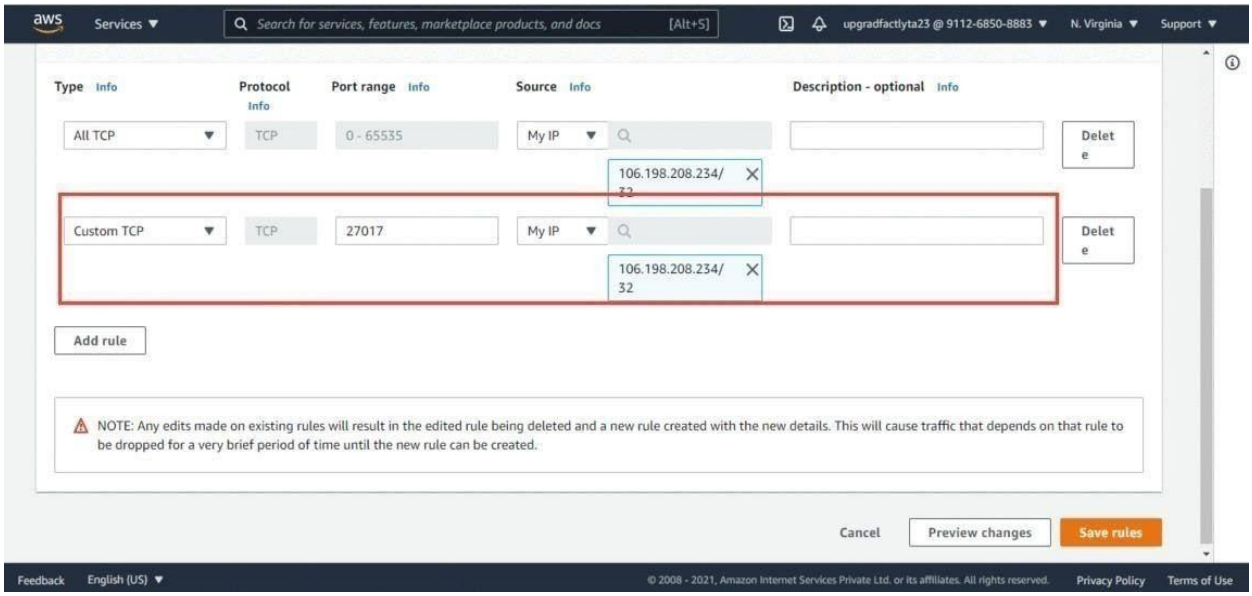


- Select **Inbound rules** and click on **Edit inbound rules.**

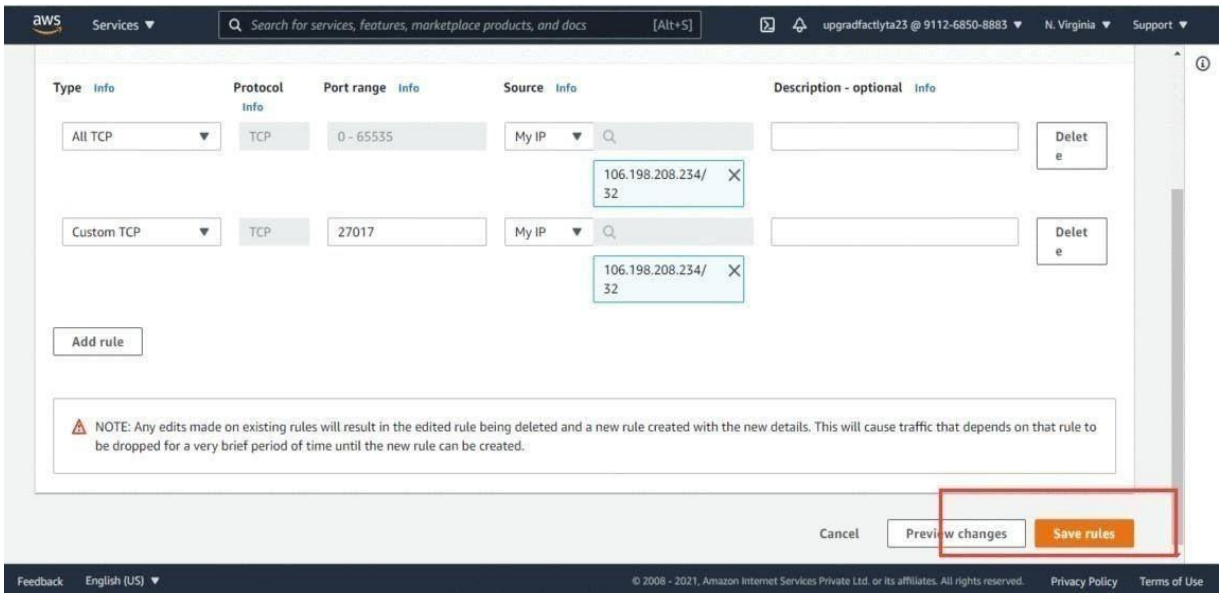

sg-0c8923349f7cb2cba - mongo-db-security-group
Actions
Details
Security group name
mongo-db-security-group
Security group ID
sg-0c8923349f7cb2cba
Description
This is for the mongoDB server
VPC ID
vpc-0746afceb9aaaa6ee
Owner
911268508883
Inbound rules count
2 Permission entries
Outbound rules count
1 Permission entry
Inbound rules
Outbound rules
Tags
Inbound rules
Edit inbound rules
Type
Protocol
Port range
Source
Description - optional
All TCP
TCP
0 - 65535
132.154.85.133/32
-

- Click on Add Rules and input below details-

Type- Custom TCP
Port Range- 27017
Source - My IP (Select it from the drop down)

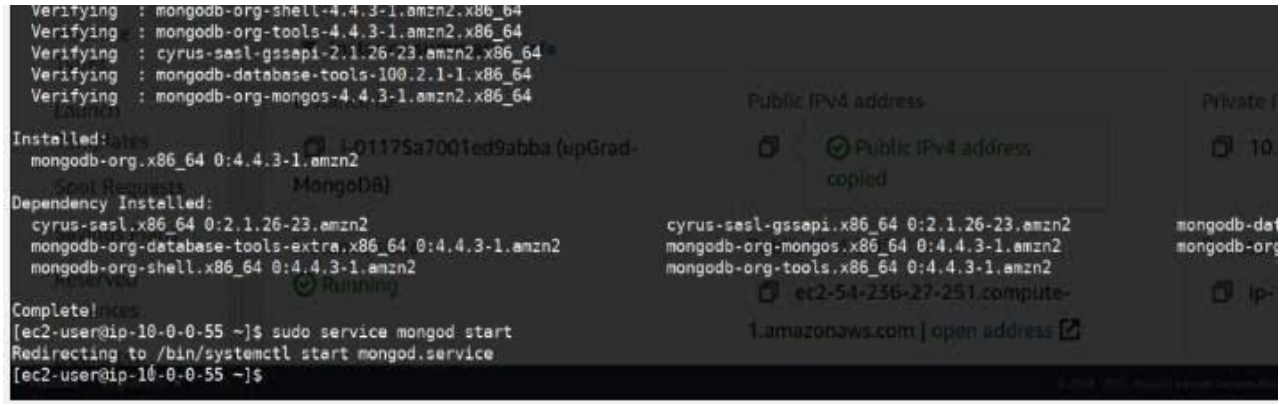


- Click on **Save rules**



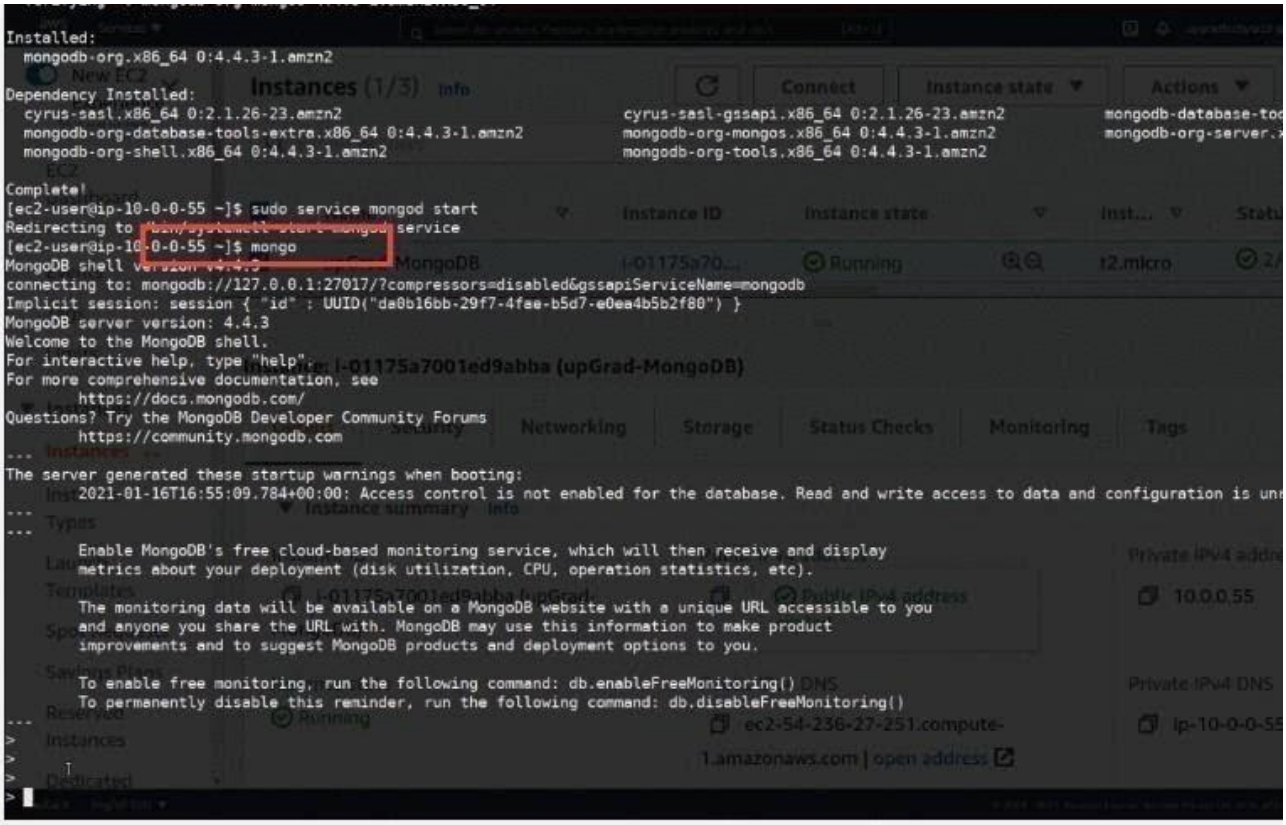
- MongoDB is installed in your EC2 instance,Mongo ports have also been opened, now you can start your mongo server using the below command.

```
sudo service mongod start
```



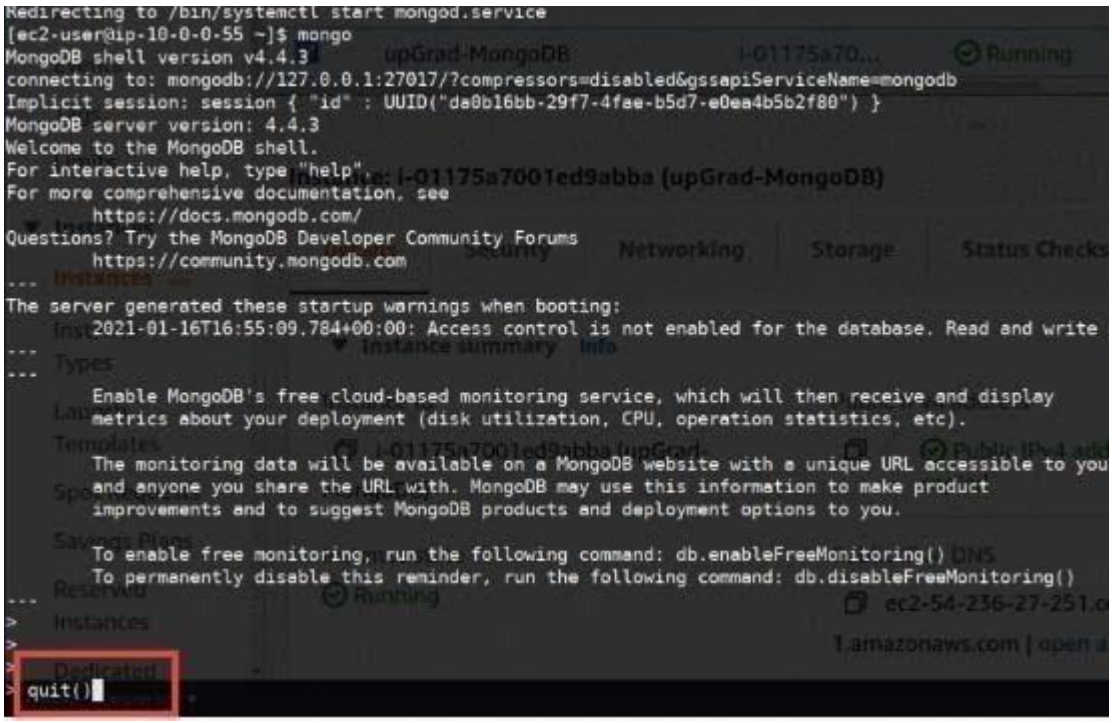
- To access the mongo shell, enter below command.

```
mongo
```



- Now you are ready to write your MongoDB commands.

- To come out of the mongo shell the command is- `quit()` or use the `<Ctrl-C>` shortcut.



- To stop the mongodb server, the command is-

```
sudo service mongod stop
```

Refer to standard documentation of MongoDB Community, in case you are stuck somewhere.