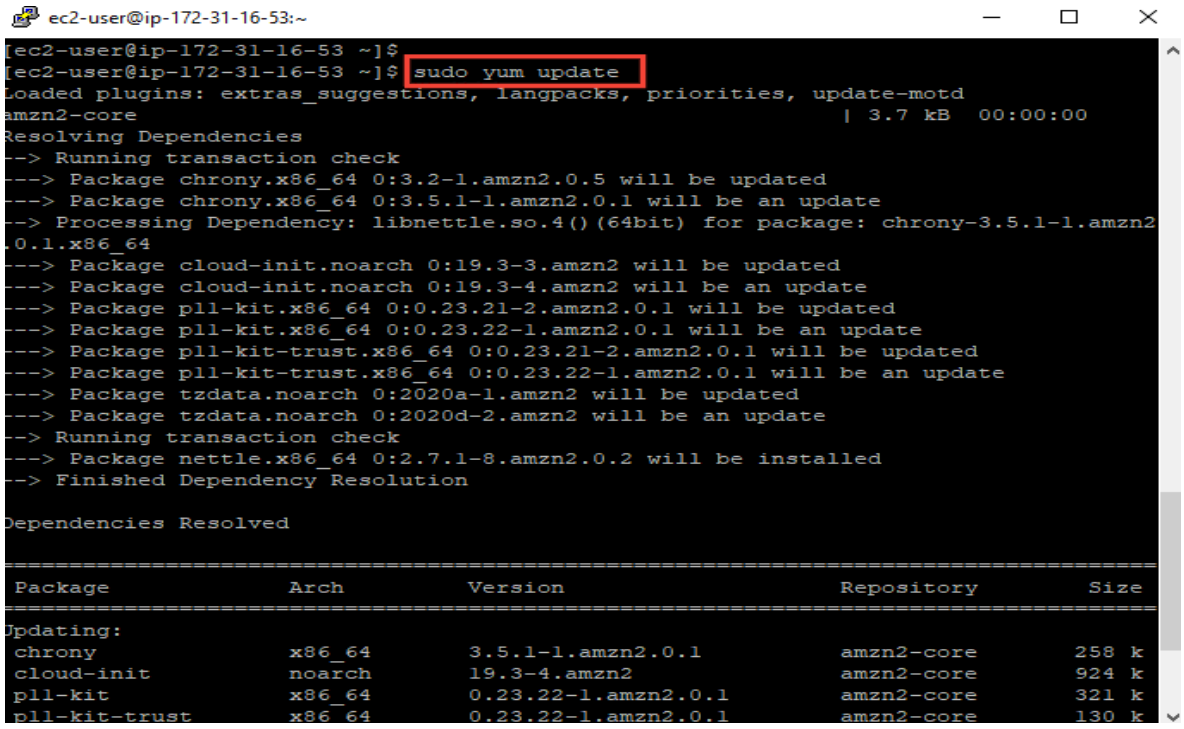
Installing MongoDB Community Version in Amazon EC2 Instance

Prerequisite:

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

- Connect to your EC2 instance.
- Run the following command to apply any available updates.

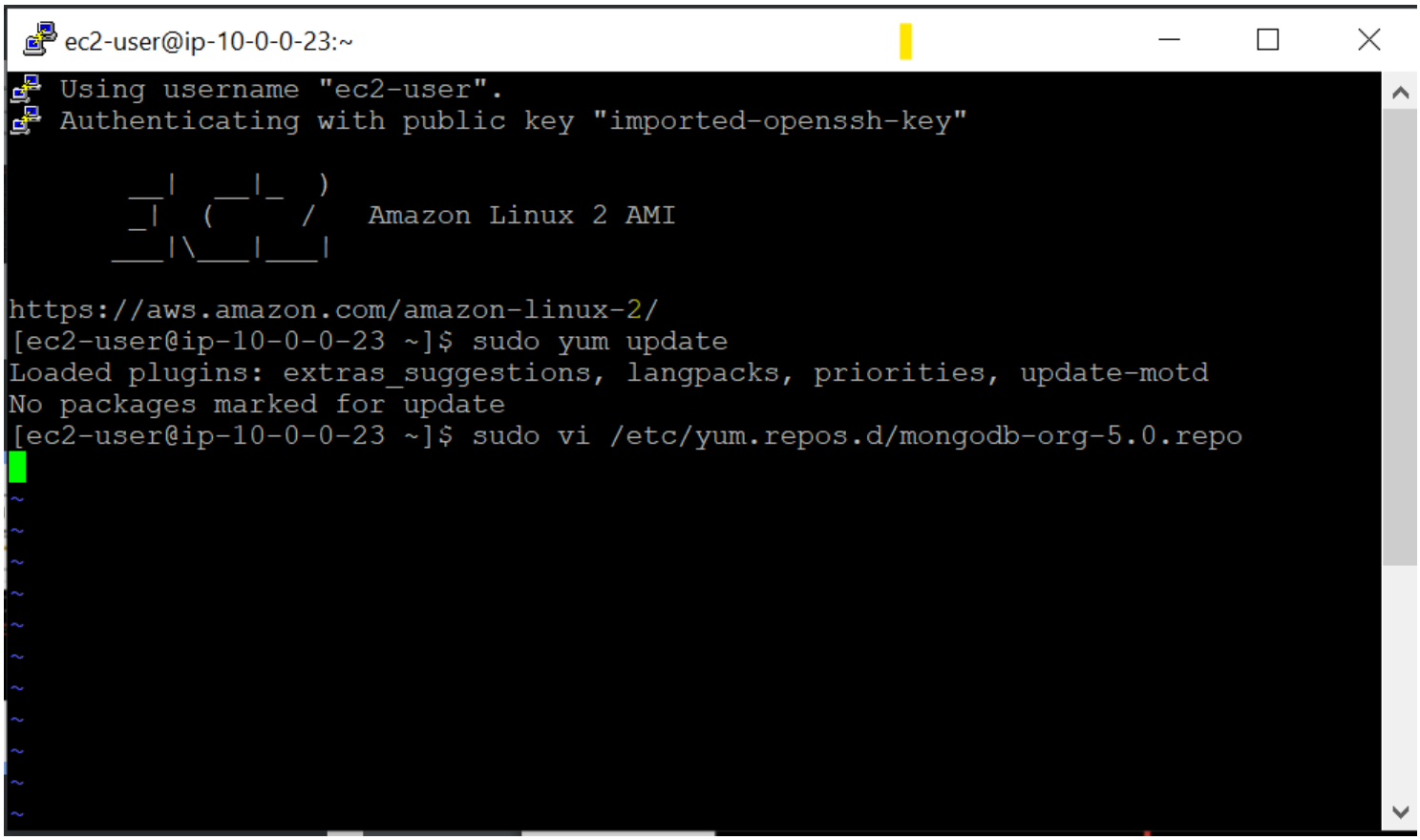
  sudo yum update



Once you hit enter; after some time, the 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-5.0.repo** file .
  This will ensure that you can install MongoDB directly using yum:

  Command :- **sudo vi /etc/yum.repos.d/mongodb-org-5.0.repo**



- Hit “Enter” and to enter the editing mode, press i on the keyboard.
- As soon as you do that, you will be able to see ‘~~INSERT’ at the bottom of the terminal.

- Copy-paste the below command in the terminal.

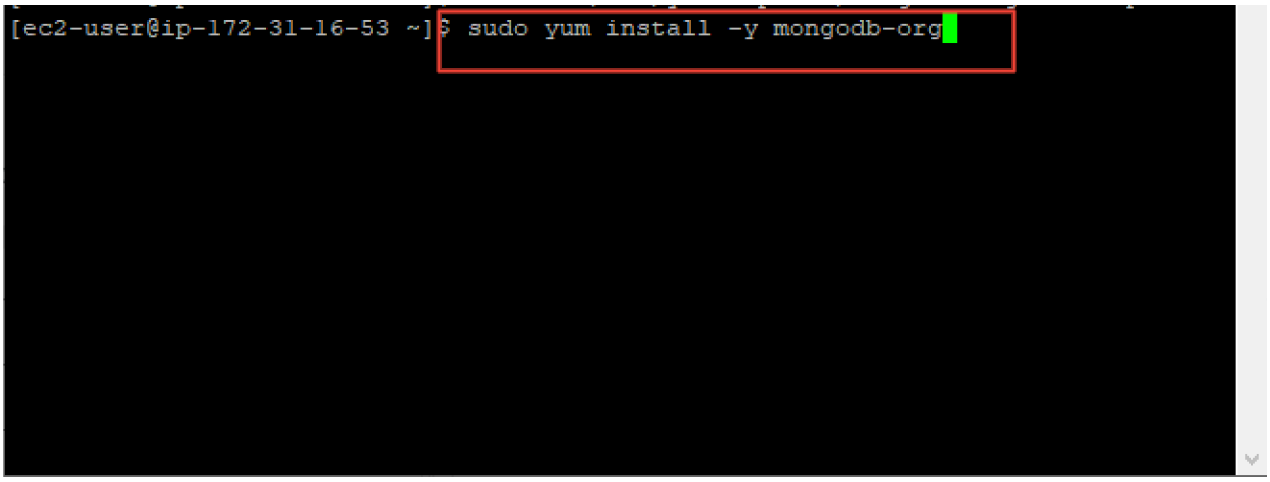
```
[mongodb-org-5.0]
name=MongoDB Repository
baseurl=https://repo.mongodb.org/yum/amazon/2/mongodb-org/5.0/x86_64/
gpgcheck=1
enabled=1
gpgkey=https://www.mongodb.org/static/pgp/server-5.0.asc
```

- To exit the vi editor-

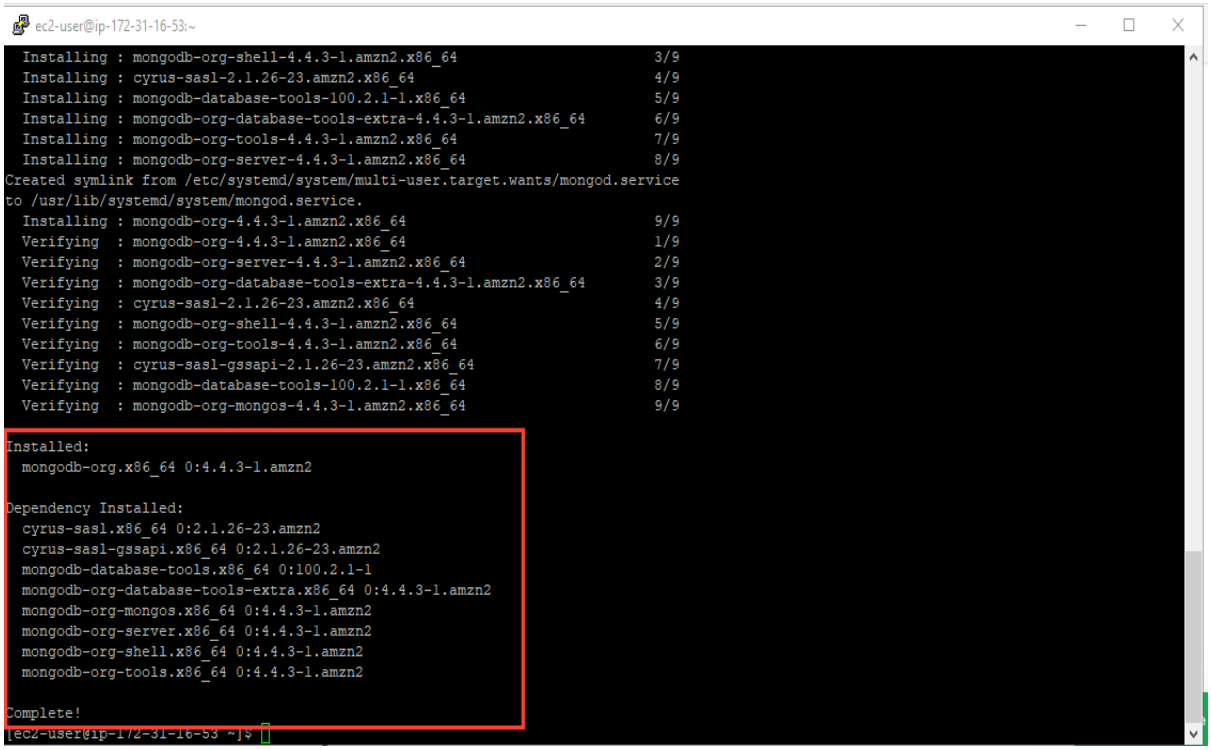
    a. Press **Escape** on your keyboard.
    b. Type the **write-quit** command - **:wq!**
    c. If you don't wish to save the changes, type **quit** command - **:q!**
    d. Hit Enter

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

    sudo yum install -y mongodb-org

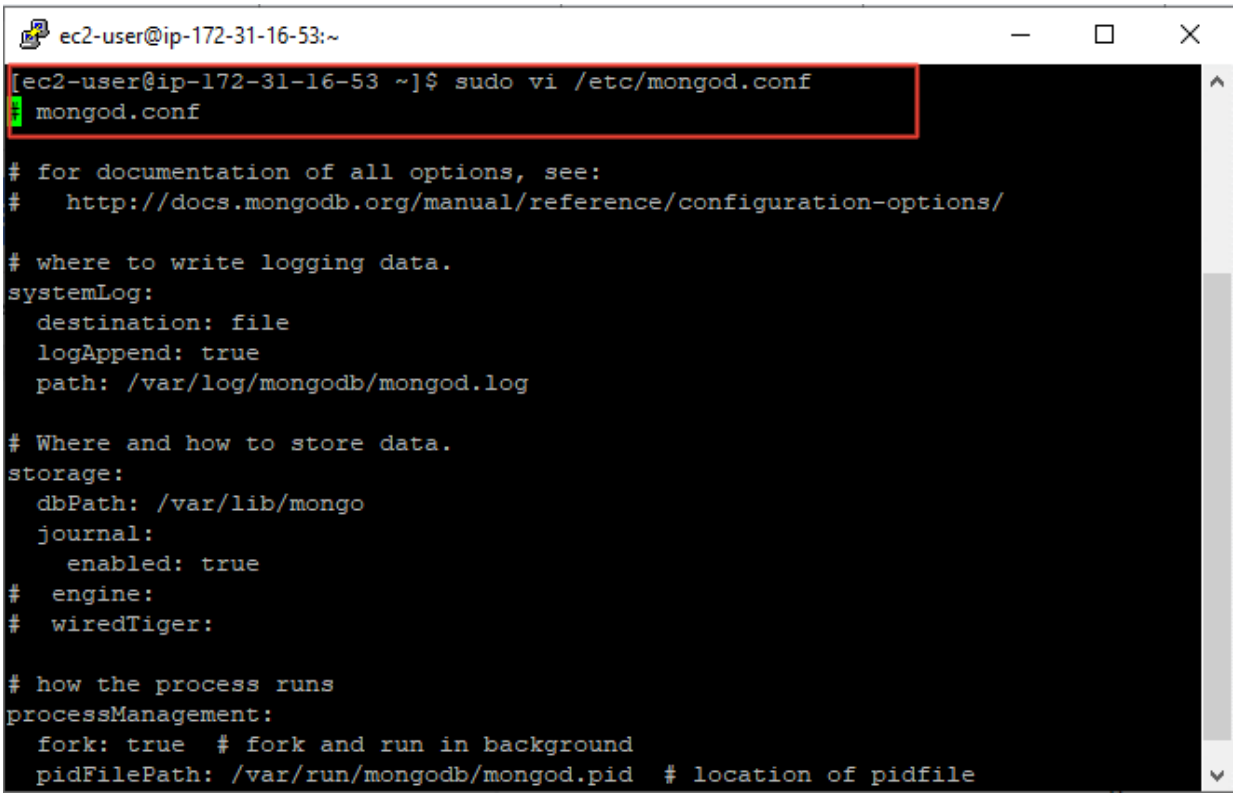

[ec2-user@ip-172-31-16-53 ~]$ sudo yum install -y mongodb-org

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



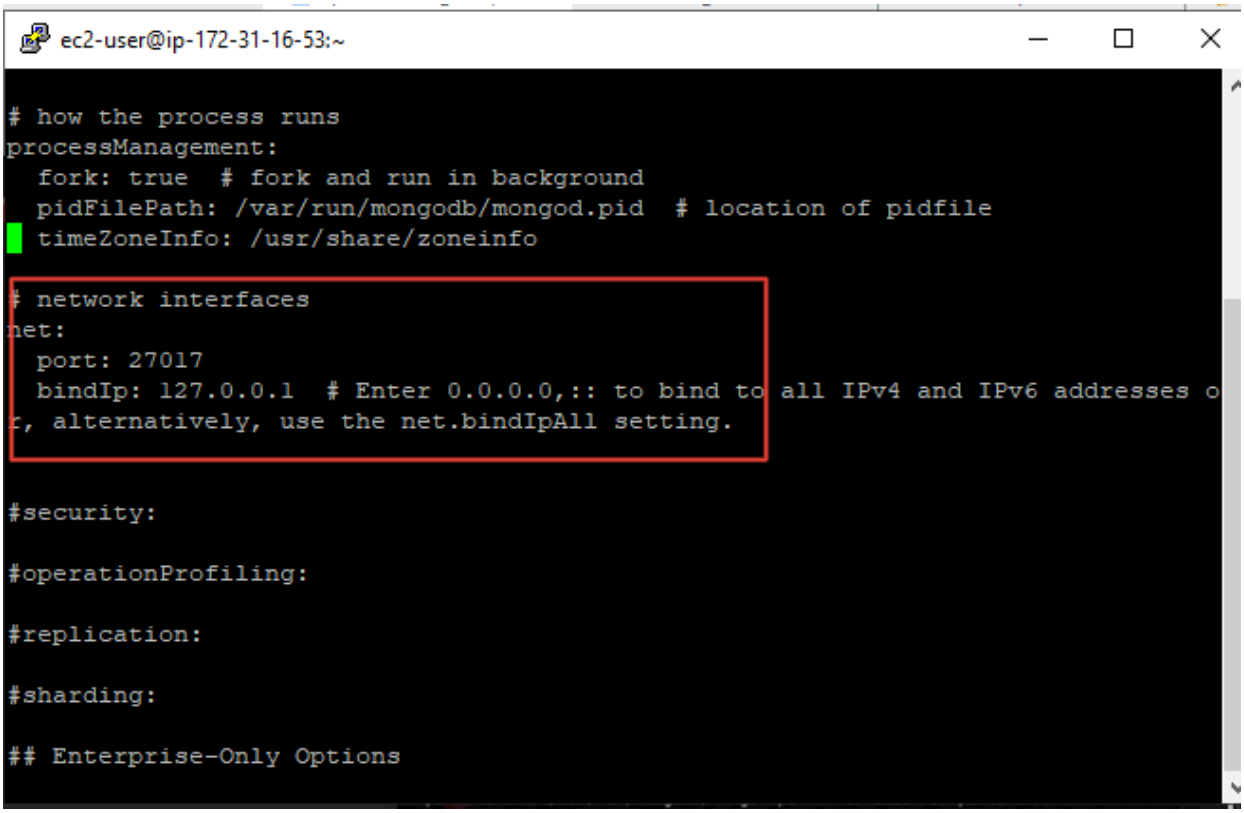
- To connect to this MongoDB instance from anywhere, you need to modify the config file. This will open MongoDB port [27017] for all IPs

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

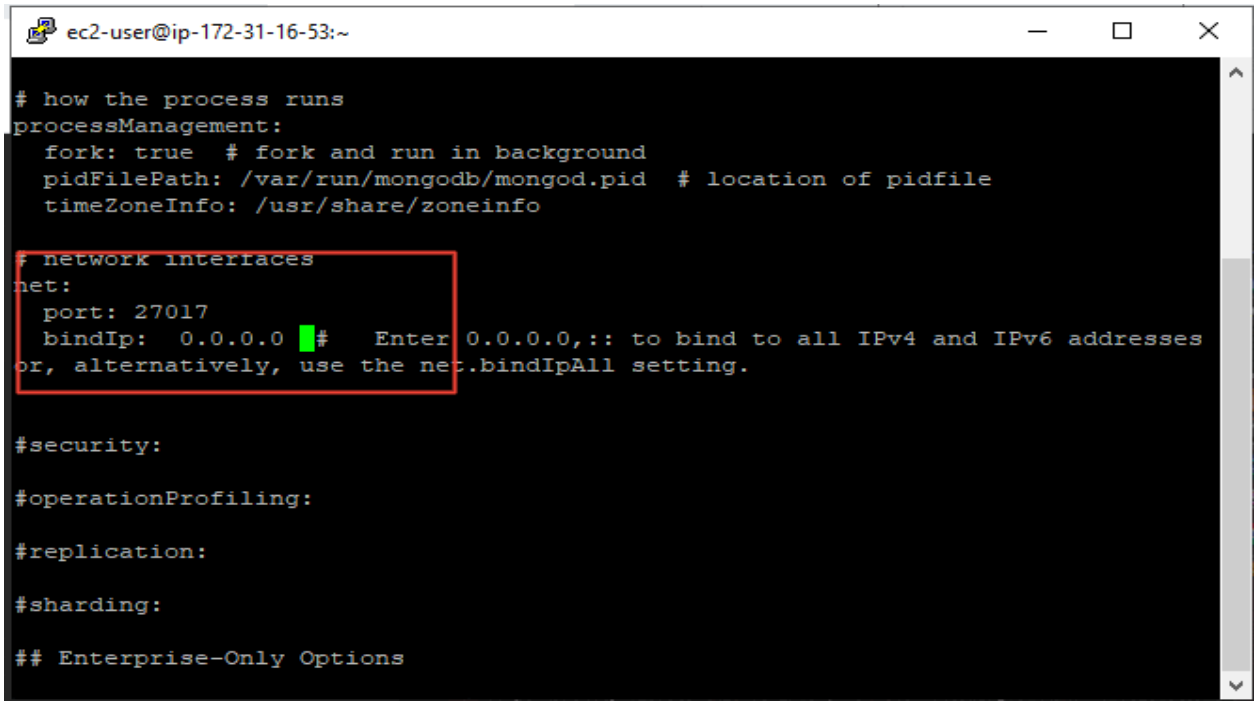


- Hit “Enter” and to enter the editing mode, press i on the keyboard. As soon as you do that, you will be able to see ‘~~INSERT’ at the bottom of the terminal.

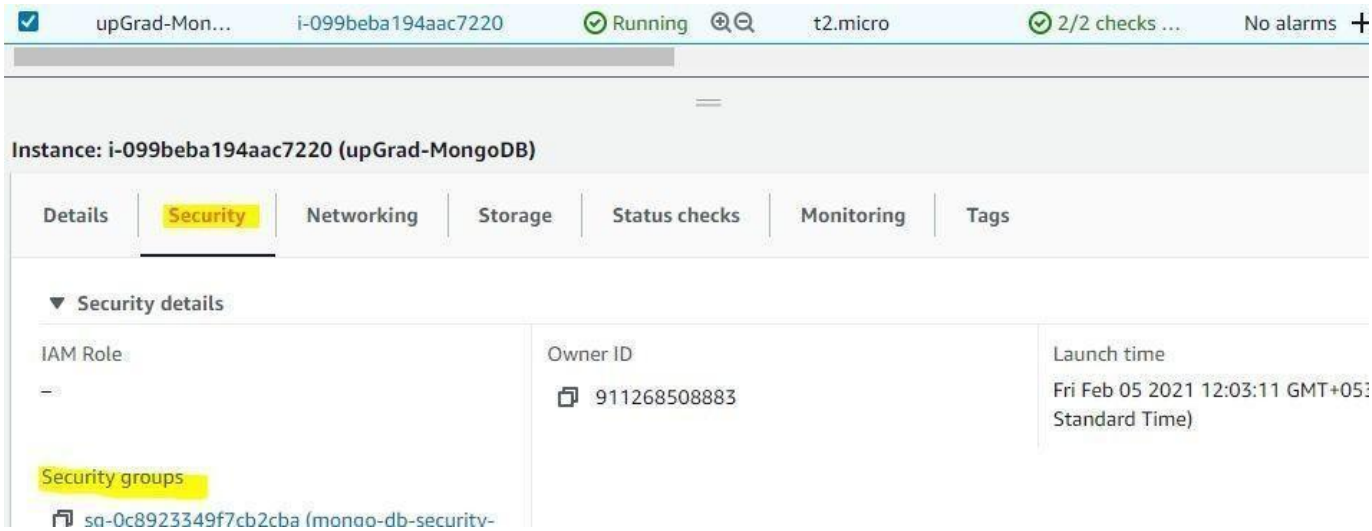
- Scroll down and come to **bindIp** in **network interfaces**

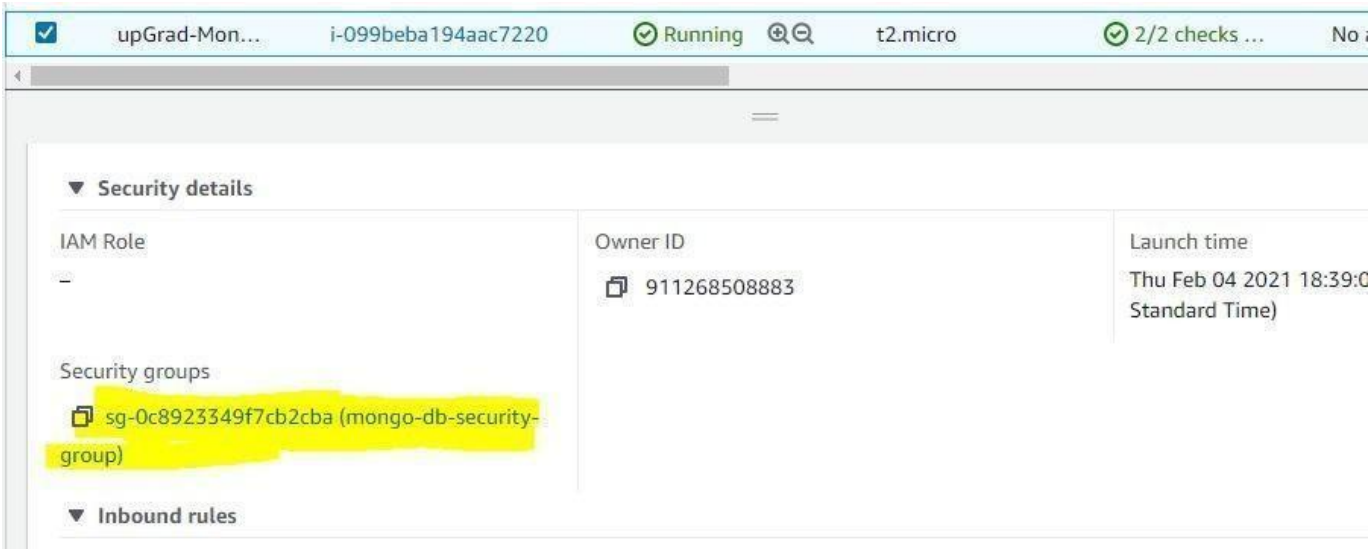


- Change the **bindIp** address from **127.0.0.1** to **0.0.0.0** .To exit the vi editor-
    - Press **Escape** on your keyboard.
    - Type the **write-quit** command -**:wq!**
    - If you don't wish to save the changes, type **quit** command -**:q!**
    - Hit Enter

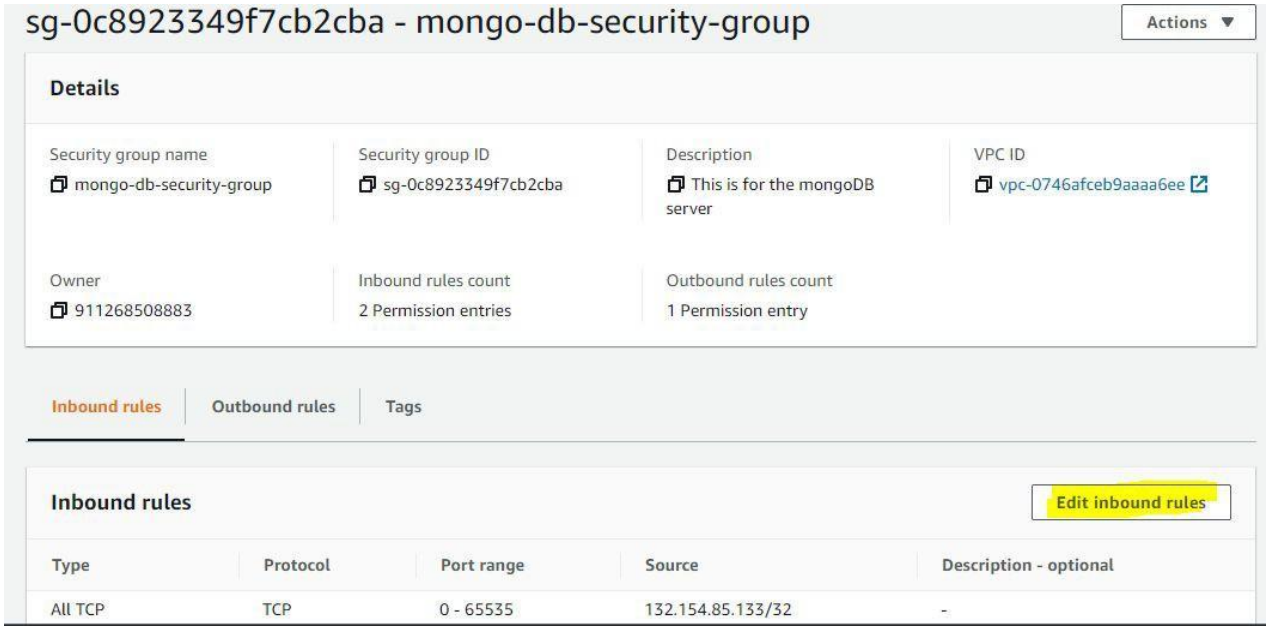


- Now go to your AWS instance and select your instance. Go to **Security Groups** and click on the **Security Group name.**



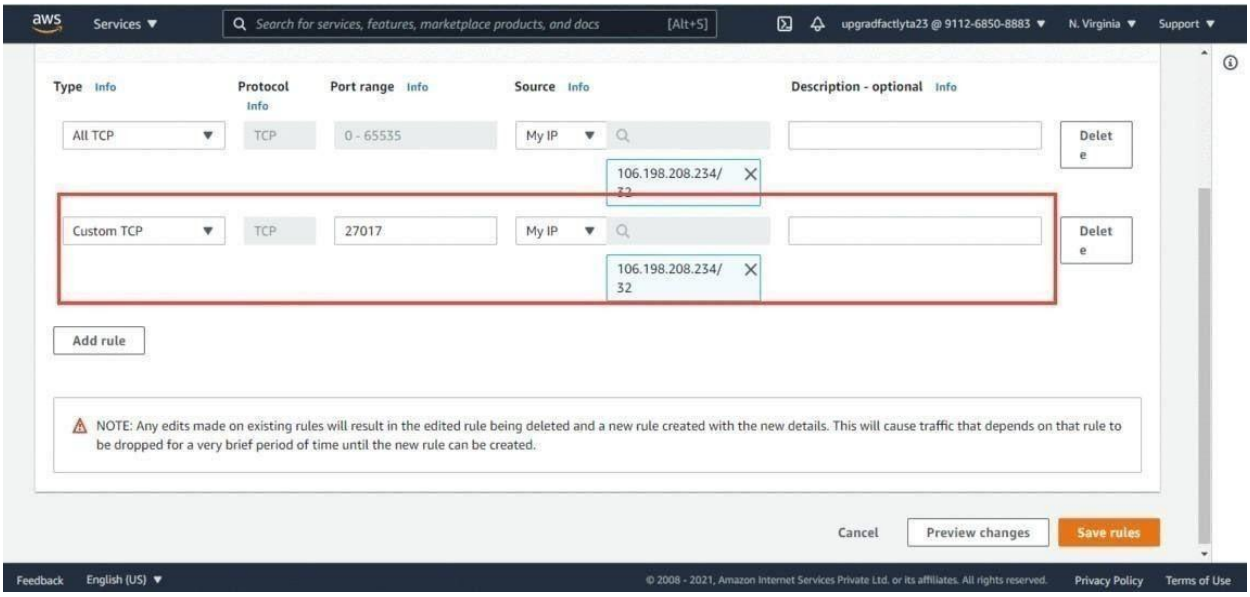


- Select **Inbound Rules** and click on **Edit inbound rules.**

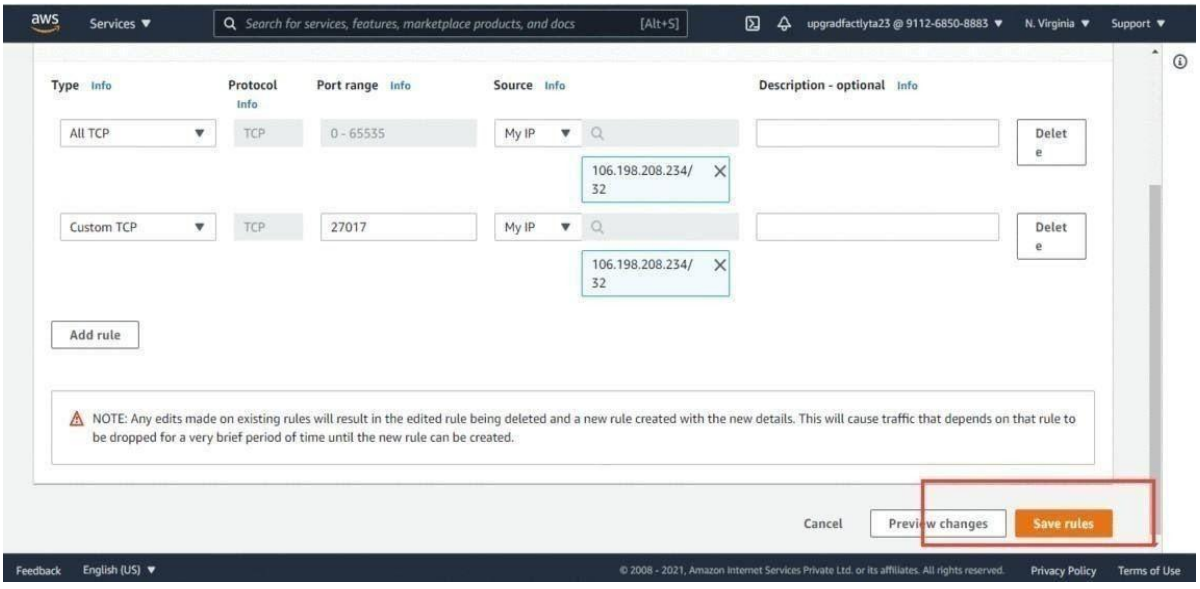

sg-0c8923349f7cb2cba - mongo-db-security-group
Actions
Details
Security group name
mongo-db-security-group
Security group ID
sg-0c8923349f7cb2cba
Description
This is for the mongoDB server
VPC ID
vpc-0746afceb9aaaa6ee
Owner
911268508883
Inbound rules count
2 Permission entries
Outbound rules count
1 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 the below details-

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

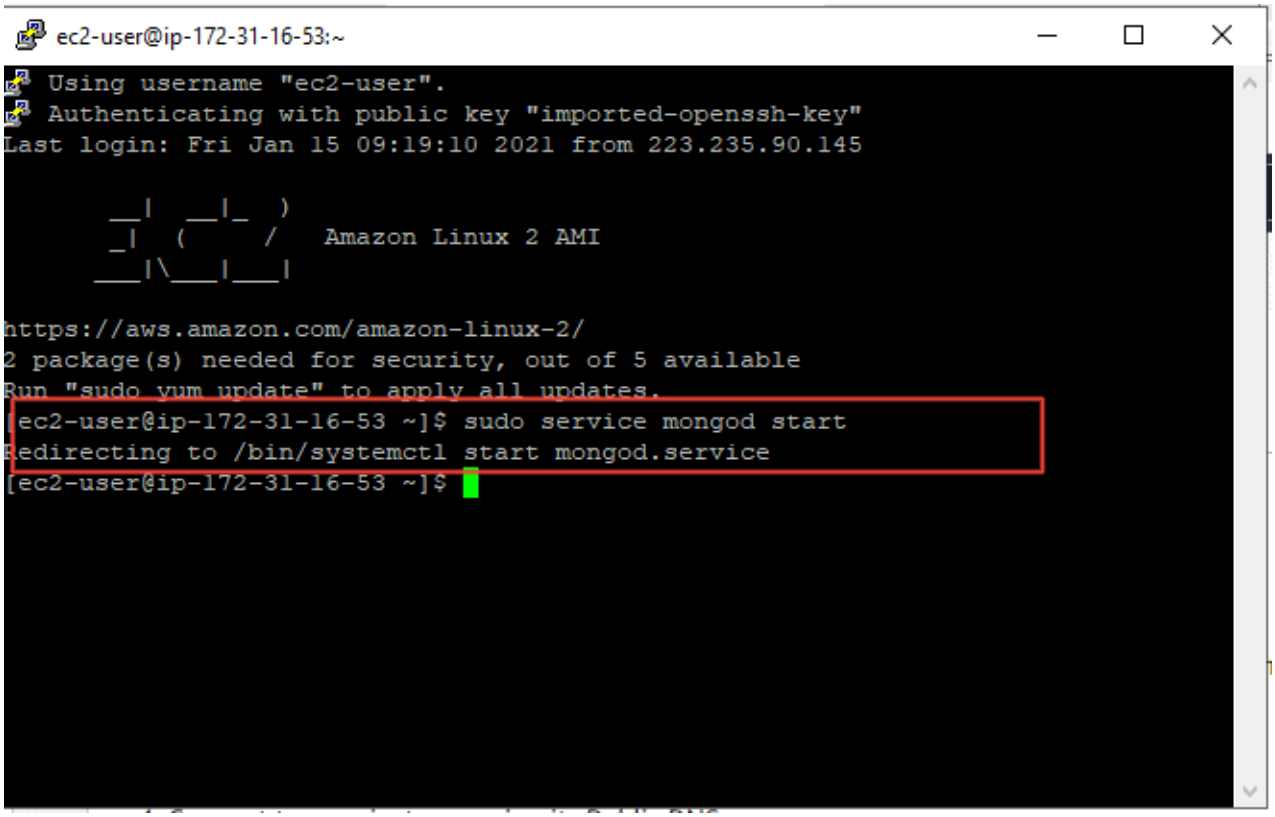


- Click on **Save rules**



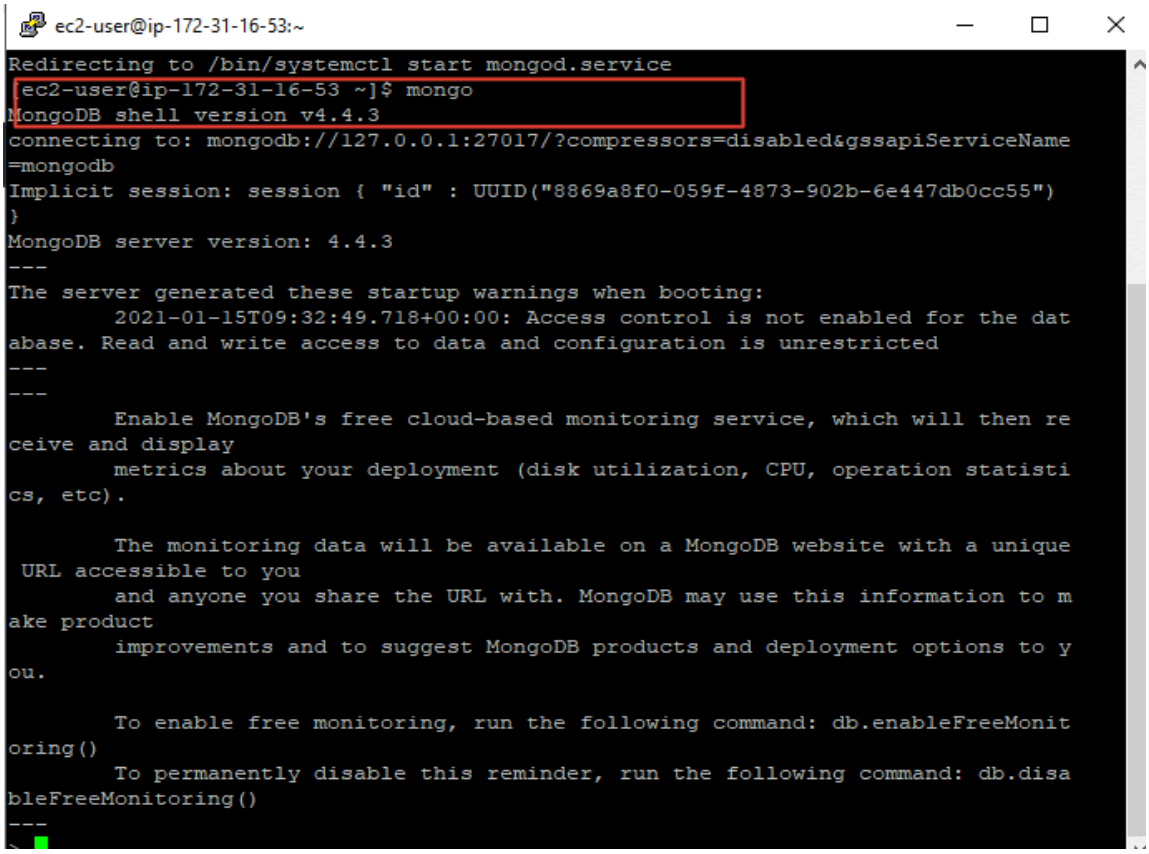
- MongoDB is installed in your EC2 instance, Mongo ports have also been opened, now you can start your mongo server using the below command.

  sudo service mongod start

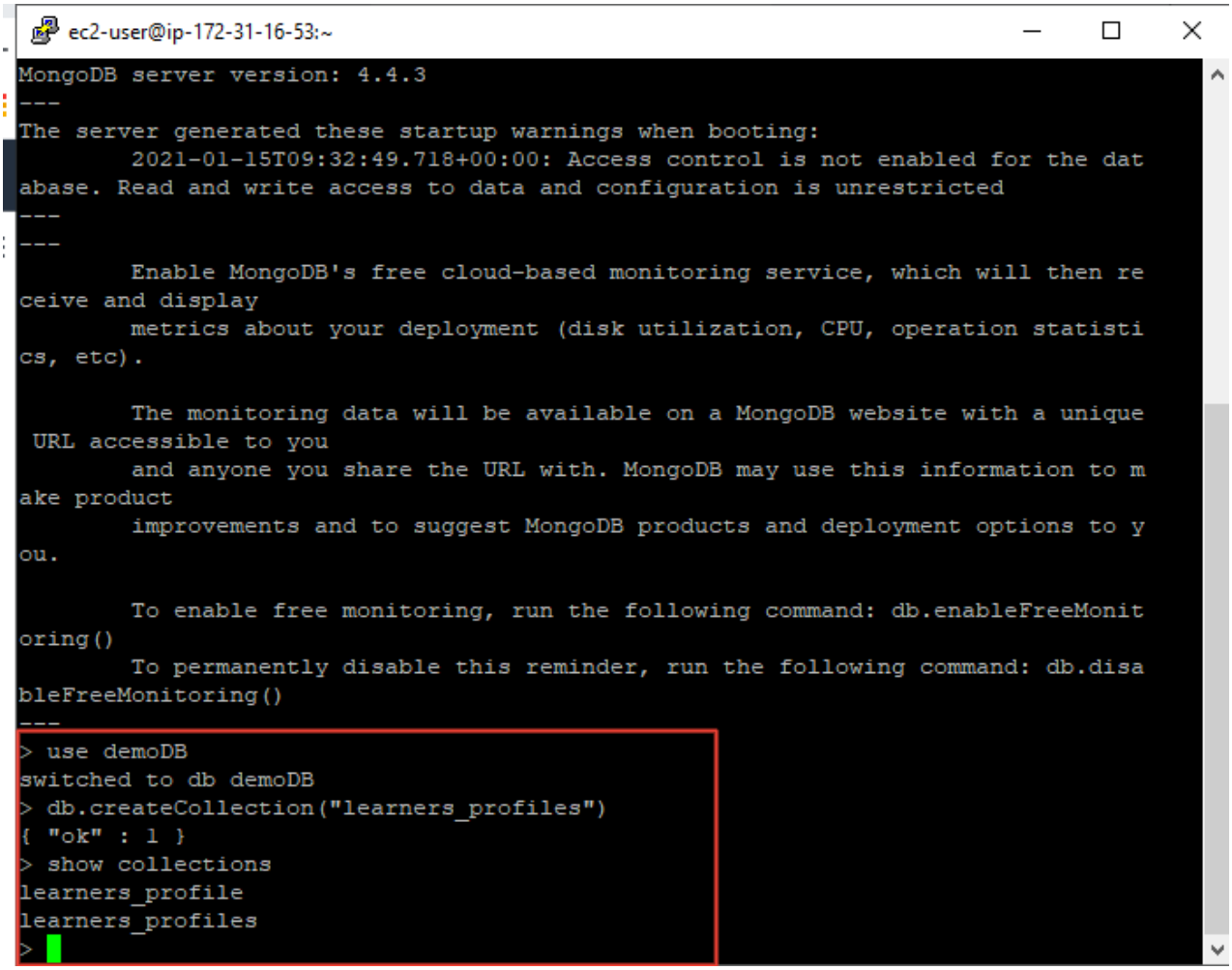


- To access the mongo shell, enter the below command.

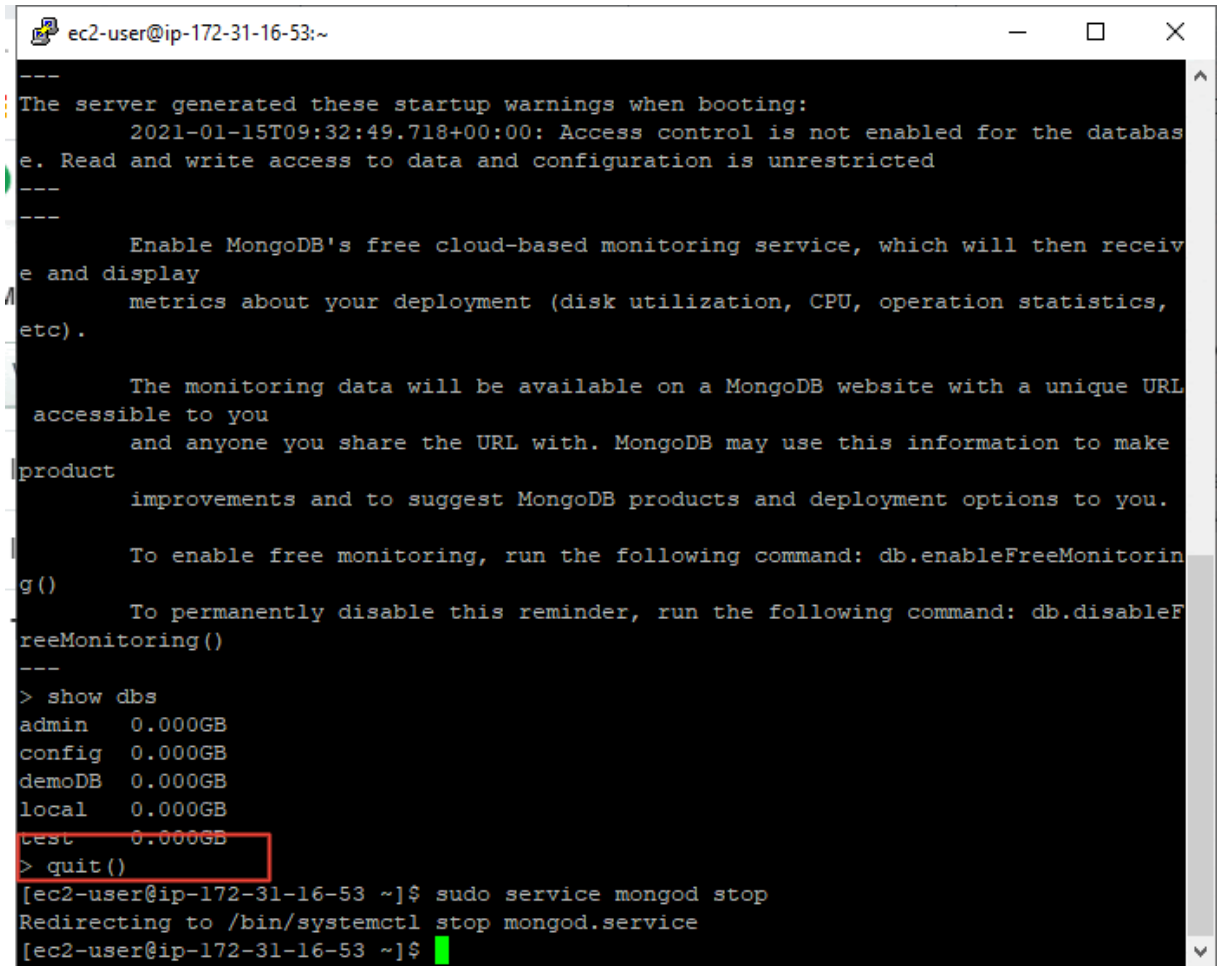
  mongo



- Now you are ready to write your MongoDB commands.

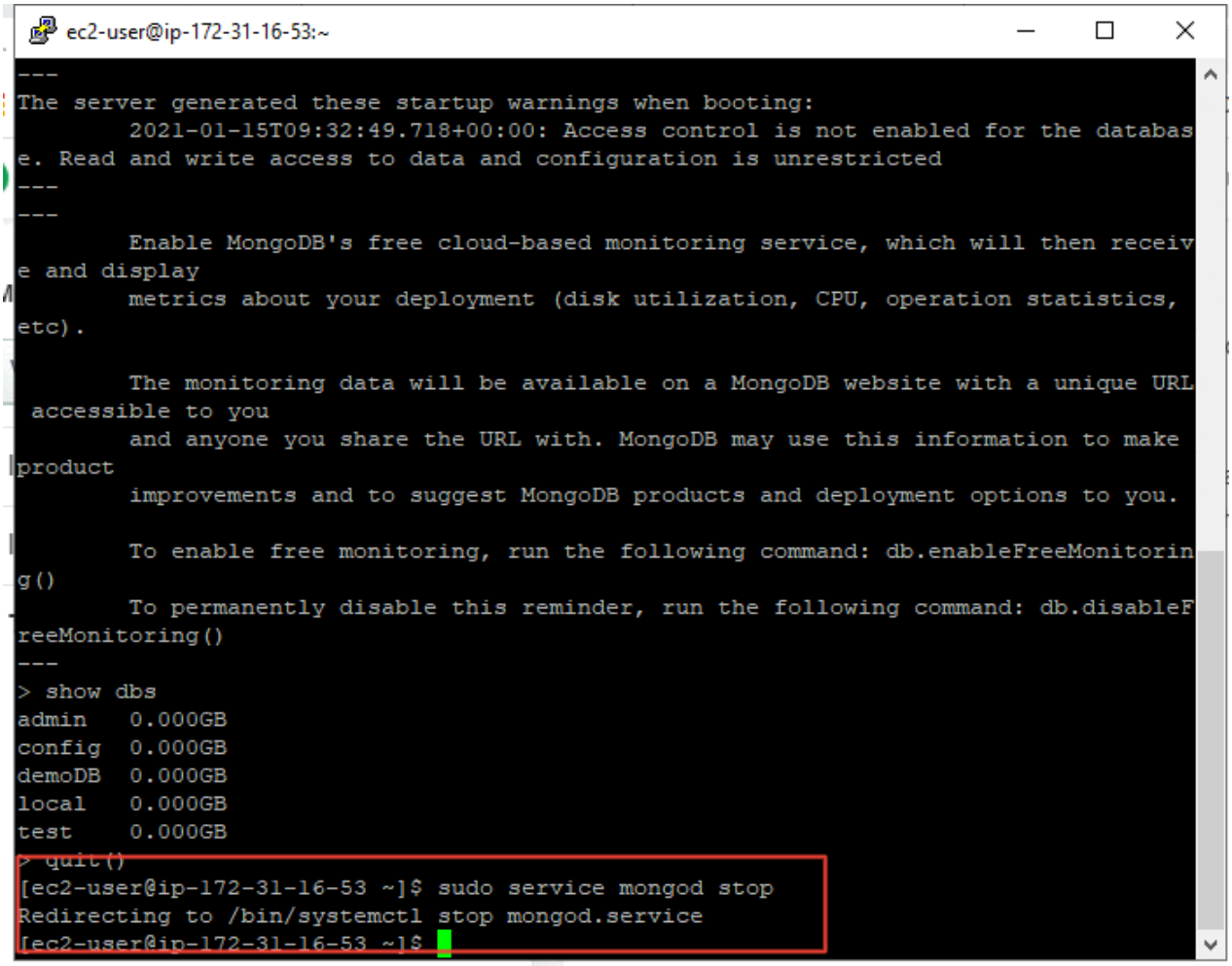


- To come out of the mongo shell the command is- **quit()** or use the **<Ctrl-C>** shortcut.



- 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