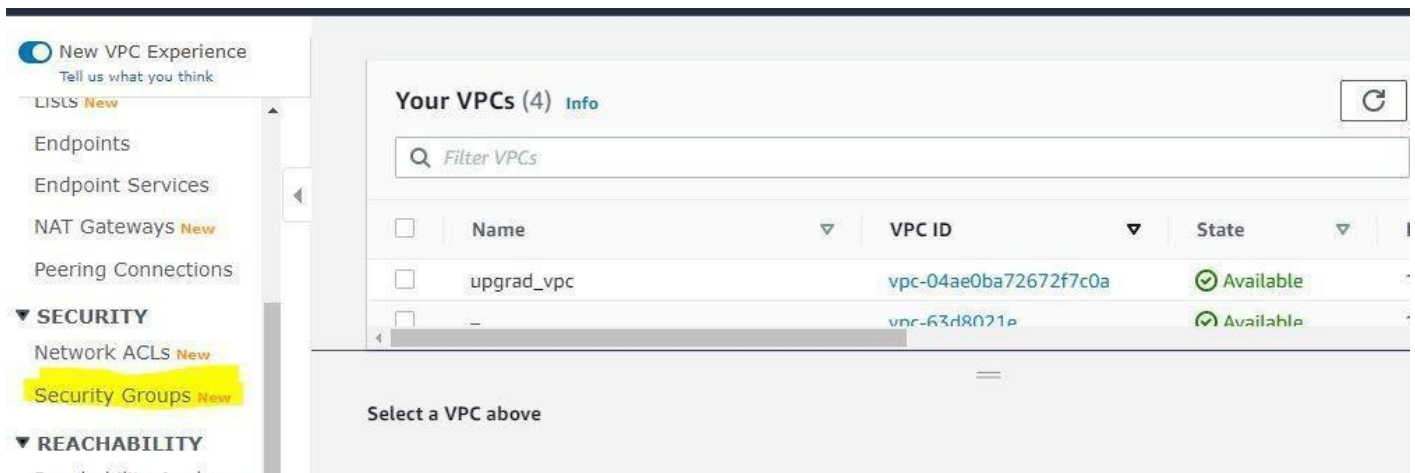


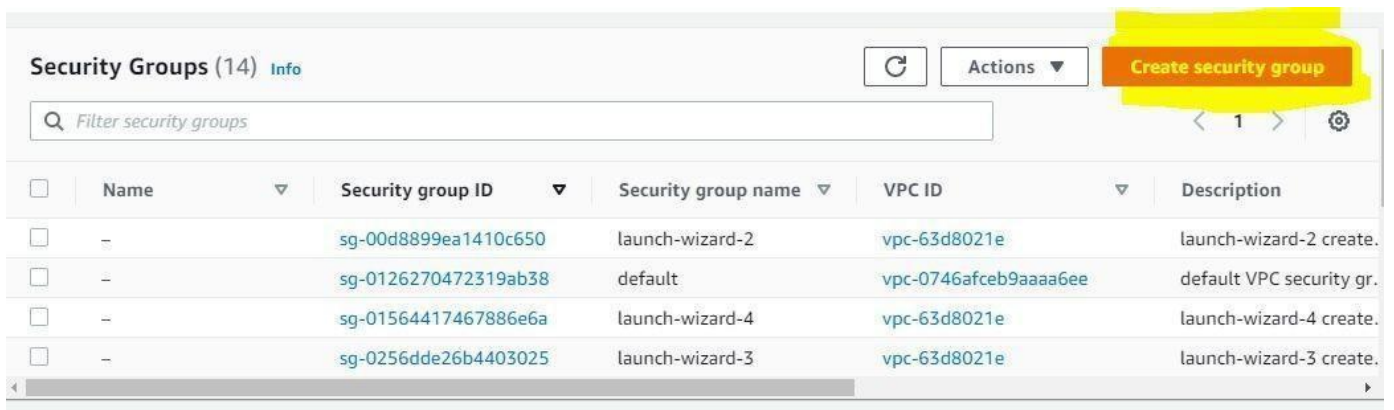
We will now create a security group inside our VPC.

## Creating a Security Group.

1. Inside the VPC dashboard, Go to the left side page **click** on the **security group**.



2. Click on “create security group”



3. Give the **security group name**, **description** and our **vpc name**(upgrad\_vpc).

VPC > Security Groups > Create security group

## Create security group [Info](#)

A security group acts as a virtual firewall for your instance to control inbound and outbound traffic. To create a new security group, complete the following steps:

### Basic details

Security group name [Info](#)

Name cannot be edited after creation.

Description [Info](#)

VPC [Info](#)

4. Click on “create” and then click on “close”.

aws Services Resource Groups

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Security Groups > Create security group

### Create security group

✓ The following security group was created:

Security Group ID [sg-0dd5c69ad227a0d25](#)

Close

5. Select the Security group “**mongo-db-security-group**” and scroll down then click on **inbound rules** and then **edit rules**.

Security Groups (1/27) [Info](#)

Filter security groups

Name	Security group ID	Security group name	VPC ID	Description	Owner
-	sg-00a960a38e8723935	Kafka_demo	vpc-0d5c826a35153dfef	launch-wizard-9 create...	9112685088
-	sg-00d8899ea1410c650	launch-wizard-2	vpc-63d8021e	launch-wizard-2 create...	9112685088
-	sg-0126270472319ab38	default	vpc-0746afceb9aaaa6ee	default VPC security gr...	9112685088
-	sg-01564417467886e6a	launch-wizard-4	vpc-63d8021e	launch-wizard-4 create...	9112685088
-	sg-0256dde26b4403025	launch-wizard-3	vpc-63d8021e	launch-wizard-3 create...	9112685088
-	sg-037d5e580c0bdba05	ElasticMapReduce-mas...	vpc-63d8021e	Master group for Elast...	9112685088
✓ mongo-db-security...	sg-0464016716307dd4b	mongo-db-security-gr...	vpc-0d5c826a35153dfef	Security Group	9112685088

sg-0464016716307dd4b - mongo-db-security-group

Details **Inbound rules** Outbound rules Tags

sg-0464016716307dd4b - mongo-db-security-group

Details **Inbound rules** Outbound rules Tags

Inbound rules (1) [Edit inbound rules](#)

## 6. Click on “Add Rules”

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Security Groups > Edit inbound rules

### Edit inbound rules

Inbound rules control the incoming traffic that's allowed to reach the instance.

Type	Protocol	Port Range	Source	Description
This security group has no rules				

[Add Rule](#)

## 7. Select Type to be “ALL TCP”

Security Groups > Edit inbound rules

### Edit inbound rules

Inbound rules control the incoming traffic that's allowed to reach the instance.

Type	Protocol	Port Range	Source	Description
All TCP	TCP	0 - 65535	Custom	CIDR, IP, Security Group or Prefix List
				e.g. SSH for Admin Desktop

Filter by attributes

- Custom Protocol
- All TCP**
- All UDP
- All ICMP - IPv4
- All ICMP - IPv6
- All traffic
- SSH

rules will result in the edited rule being deleted and a new rule created with the new details. This will cause traffic that depends on that rule to be dropped for a very brief period.

Cancel [Save rules](#)

## 8. The **source** should be “My IP” address only, finally **click** on “save rules.”

Security Groups > Edit inbound rules

### Edit inbound rules

Inbound rules control the incoming traffic that's allowed to reach the instance.

Type	Protocol	Port Range	Source	Description
All TCP	TCP	0 - 65535	My IP	125.99.155.86/32
e.g. SSH for Admin Desktop				

Add Rule

NOTE: Any edits made on existing rules will result in the edited rule being deleted and a new rule created with the new details. This will cause traffic that depends on that rule to be dropped for a very brief period of time until the new rule can be created.

\* Required

Cancel Save rules

## 9. Click on “close”



Security Groups > Edit inbound rules

### Edit inbound rules

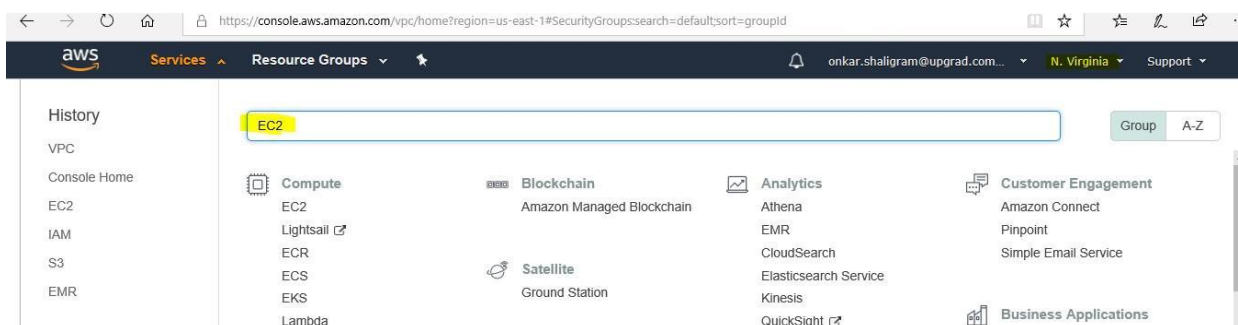
✓ Inbound security group rules successfully edited

Close

Note: Inside the Source, My IP should be the same as IP shown on the given website.

<https://www.ip2location.com/>

## 10. Now back to the services and **search** “EC2” to create the instance.



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