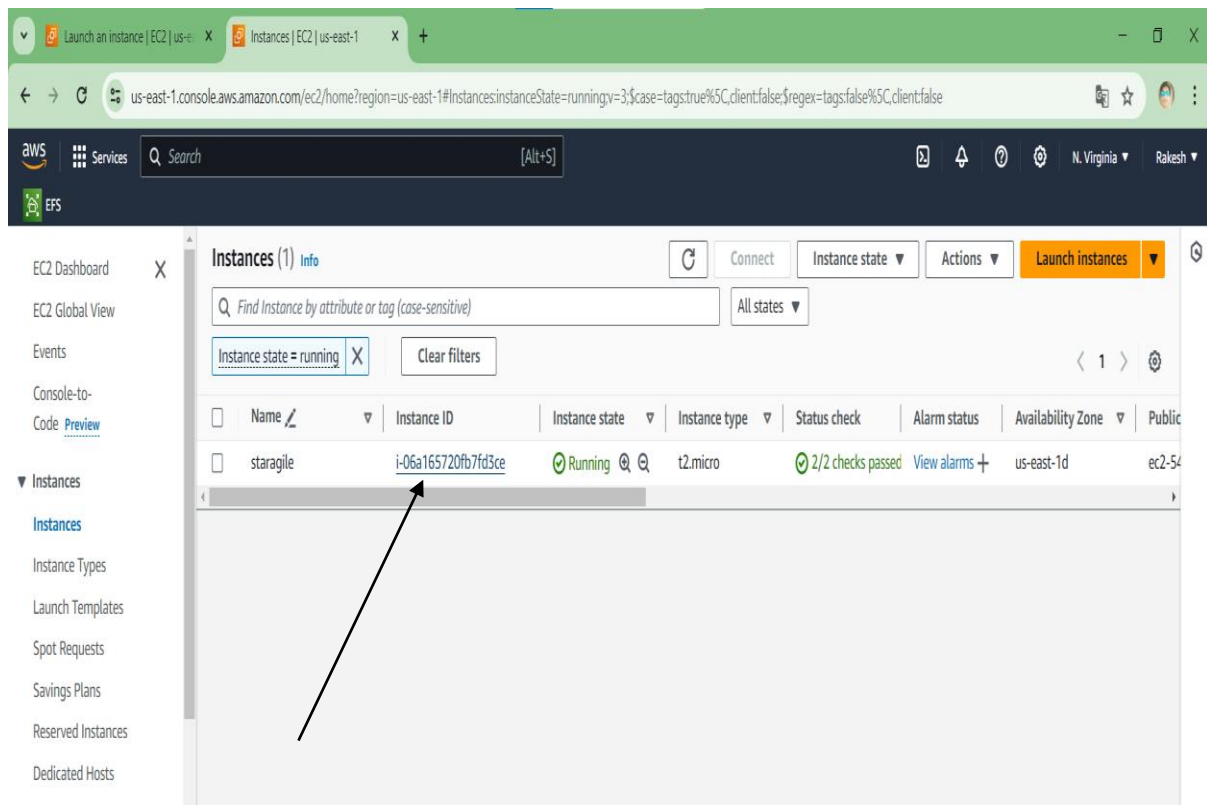


### **L3 - Launch AWS EC2 Ubuntu Instance and configure the Security Group - Inbound Rule: 8080. Justify the usage of Inbound Rules.**

[To launch EC2 Ubuntu instance \[Refer L1\].](#)

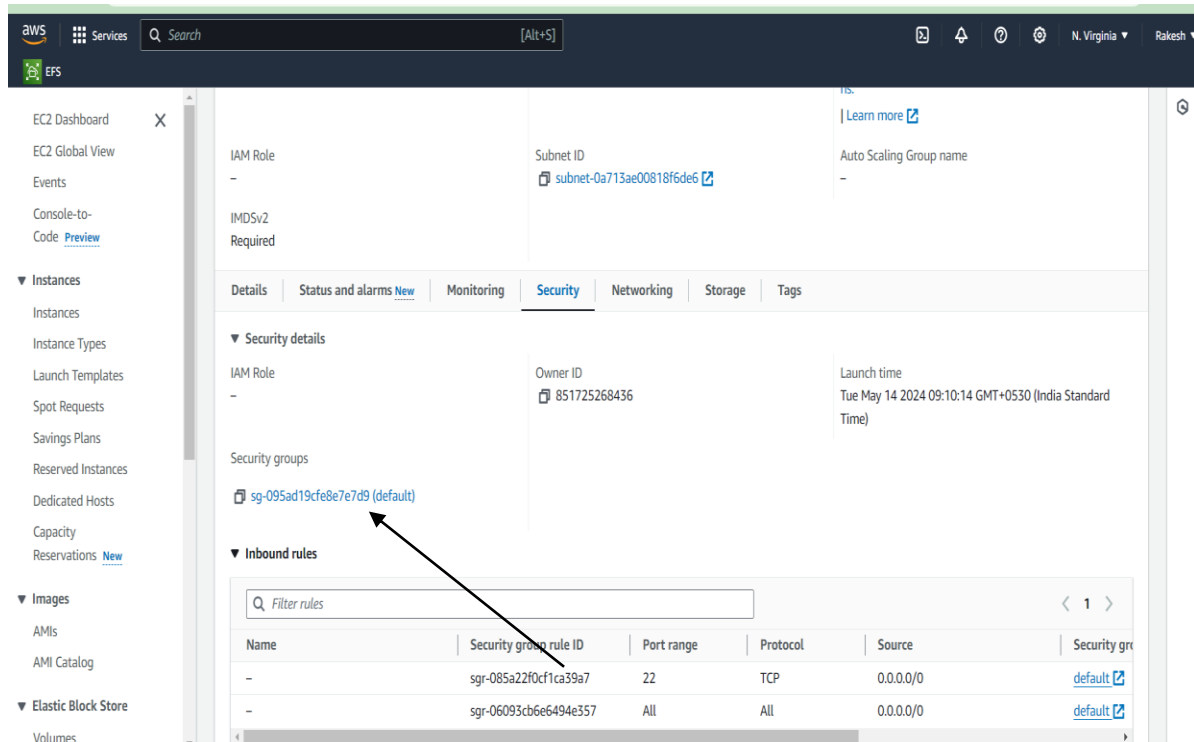
To configure security group –inbound rule:8080  
Follow below steps:

**STEP 1: Click on Instance ID.**



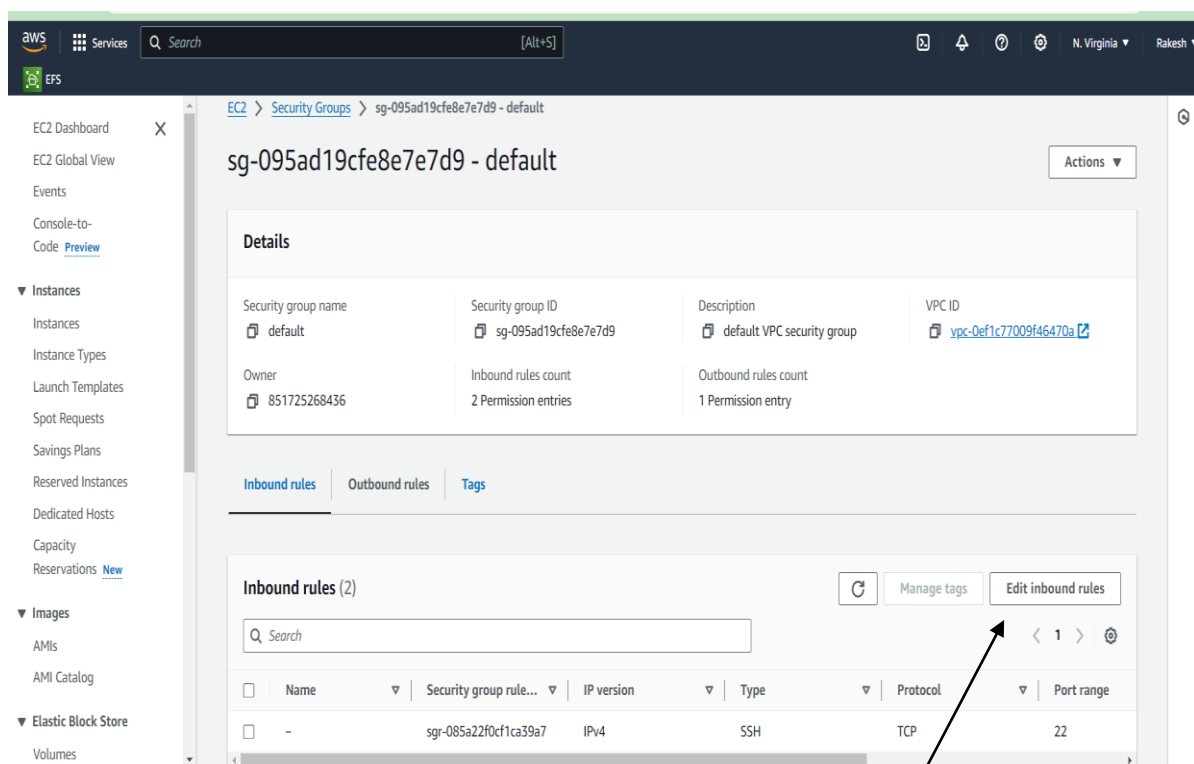
## STEP 2: Go to security details.

There **Click** on security group ID.

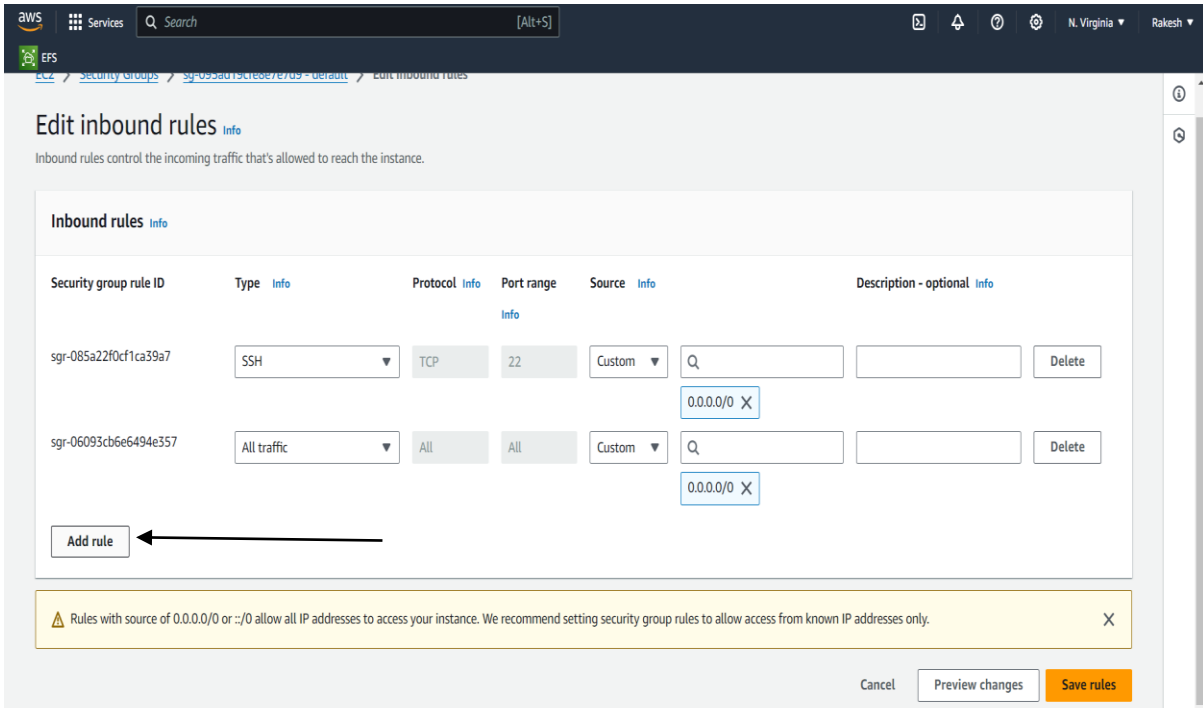


## STEP 3: After clicking security group ID you will see below picture.

Here **click** on **Edit inbound rules**.



## STEP 4: In Edit inbound rules Click on Add rule.



The screenshot shows the AWS Management Console interface for editing inbound rules. The page title is "Edit inbound rules". Below the title, there is a table of existing rules. An arrow points to the "Add rule" button at the bottom left of the table.

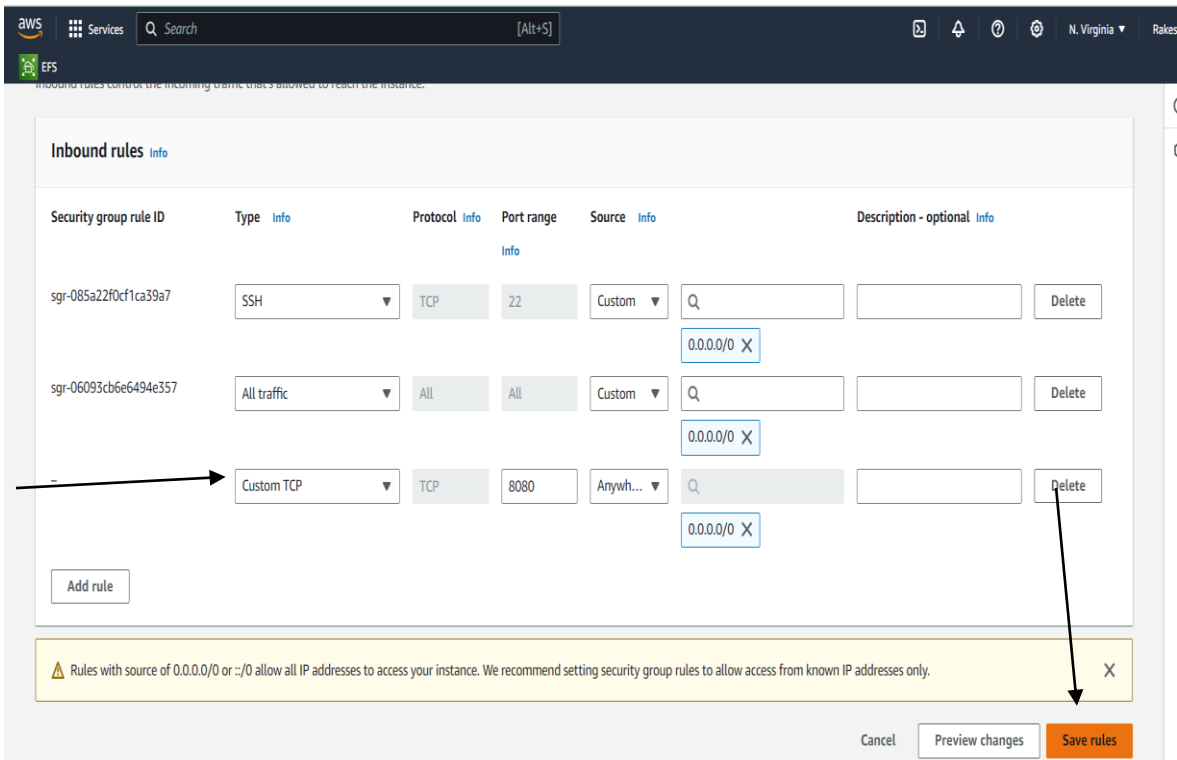
Security group rule ID	Type	Protocol	Port range	Source	Description - optional
sgr-085a22f0cf1ca39a7	SSH	TCP	22	Custom	
sgr-06093cb6e6494e357	All traffic	All	All	Custom	

Buttons: Add rule, Cancel, Preview changes, Save rules

## STEP 5: In Type select Custom TCP.

In Port range give 8080.

In Source Give Anywhere and then Click Save rules.

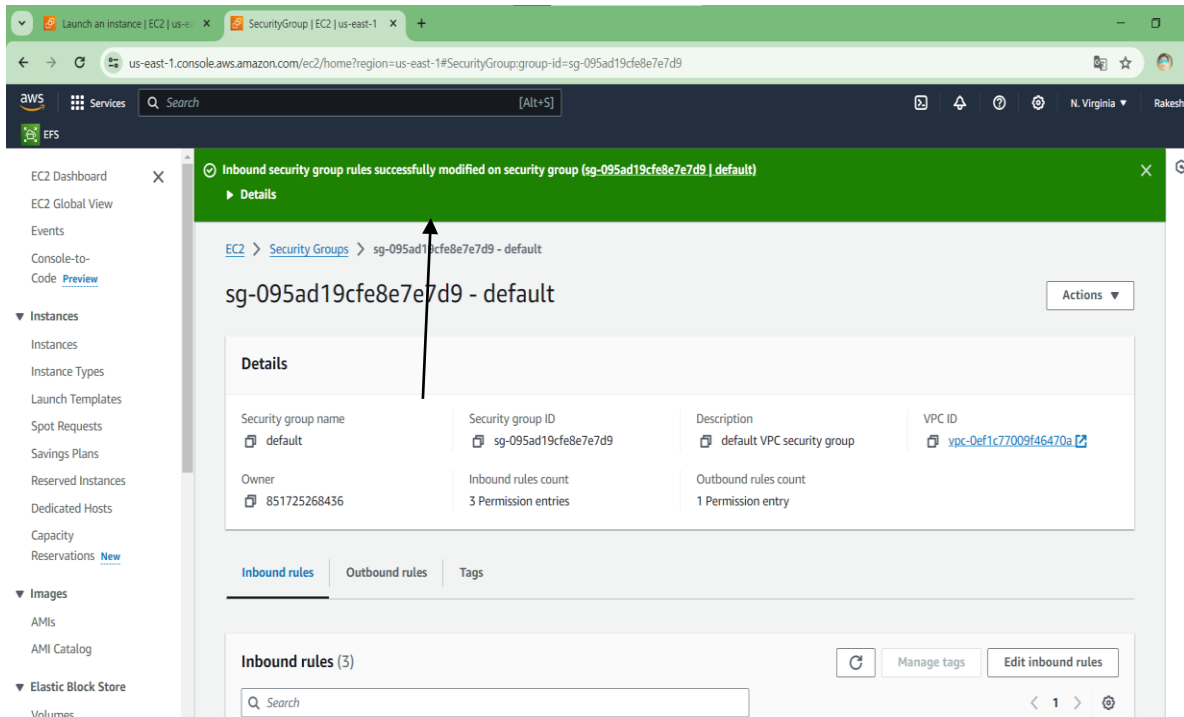


The screenshot shows the AWS Management Console interface for editing inbound rules. A new rule has been added to the table. An arrow points to the "Custom TCP" dropdown in the "Type" column. Another arrow points to the "Delete" button for the new rule.

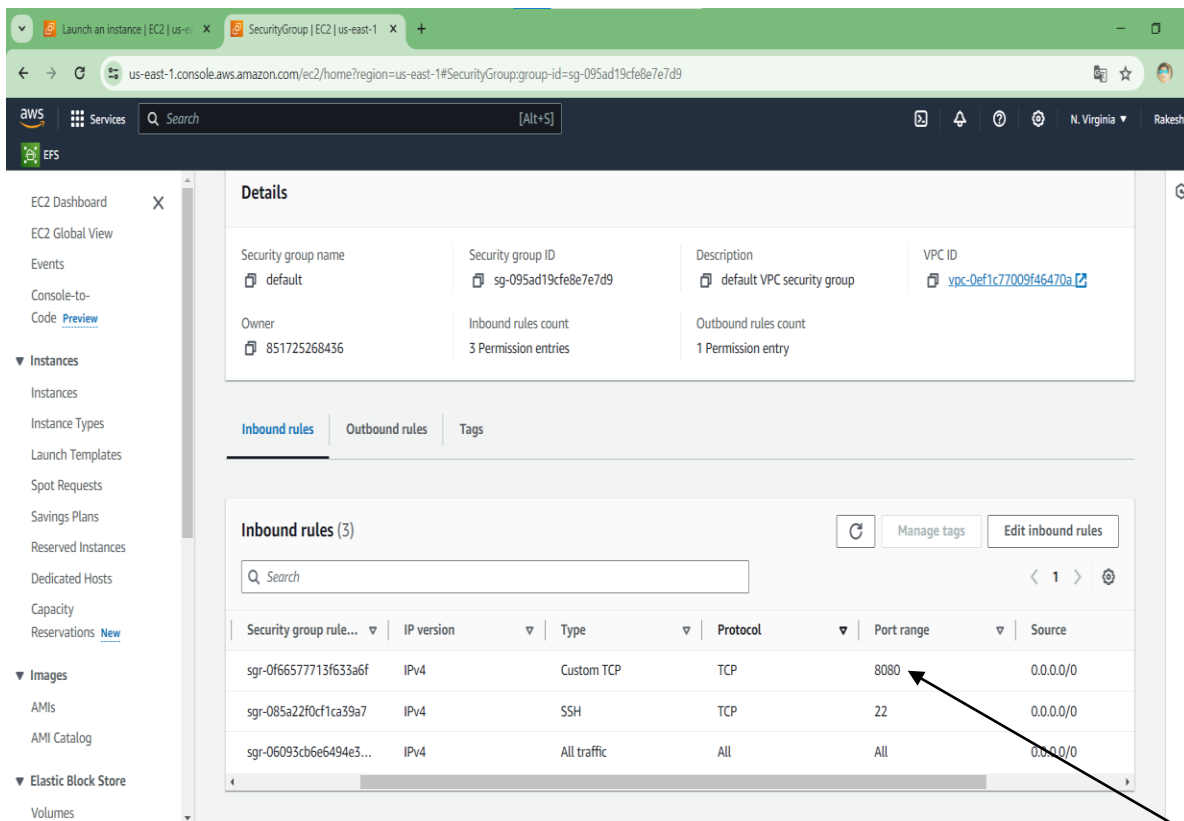
Security group rule ID	Type	Protocol	Port range	Source	Description - optional
sgr-085a22f0cf1ca39a7	SSH	TCP	22	Custom	
sgr-06093cb6e6494e357	All traffic	All	All	Custom	
	Custom TCP	TCP	8080	Anywh...	

Buttons: Add rule, Cancel, Preview changes, Save rules

## STEP 6: Inbound rule got successfully modified.



In below picture you can see inbound rule:8080 has configured



## **To justify the usage of inbound rules:**

1. Inbound rules are used to control incoming traffic to an EC2 instance.
2. It allows us to control who can access our instance.
3. Taking example of L5 question

Since port 8080 is added to inbound rules it is possible to access the Tomcat web application, if port 8080 was not added in inbound rules it is not able to access the Tomcat web application.

