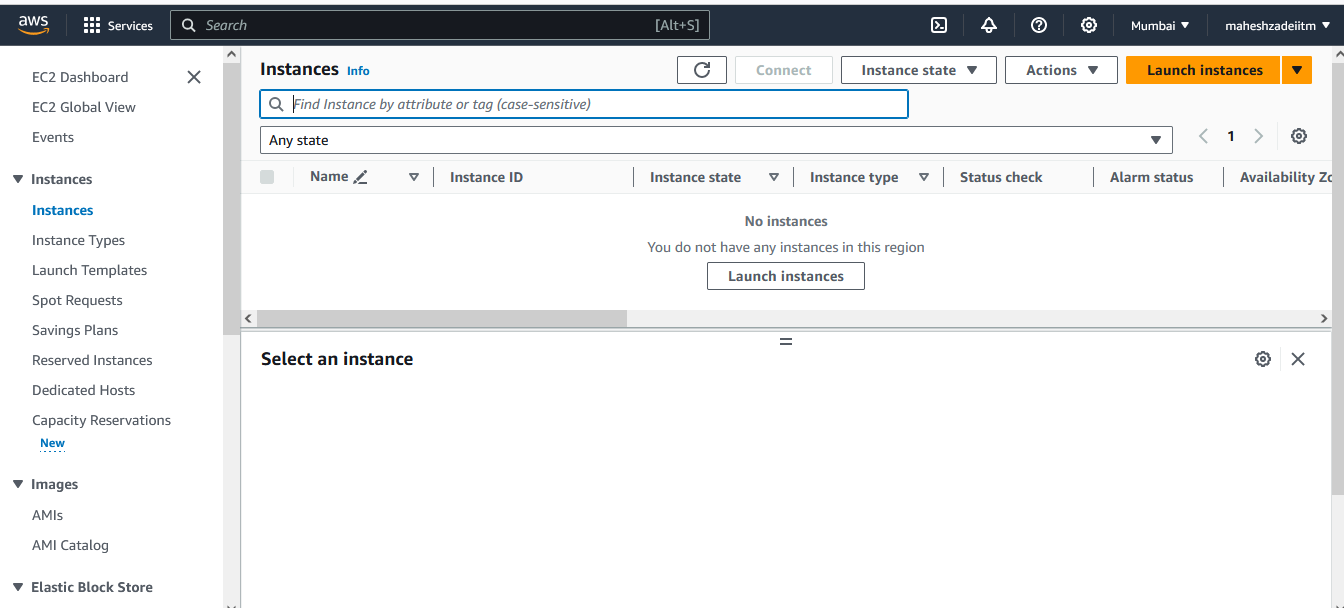
Dated 10-02-2024

Hosting a static website using S3

<https://catalog.us-east-1.prod.workshops.aws/workshops/f3a3e2bd-e1d5-49de-b8e6-dac361842e76/en-US/basic-modules/60-s3/s3/1-s3>



Create two EC2 instances using below user data

---------------------------------------------------------------------------------------------------------------------------------------

#!/bin/sh

​

#Install a LAMP stack

dnf install -y httpd wget php-fpm php-mysqli php-json php php-devel

dnf install -y mariadb105-server

dnf install -y httpd php-mbstring

​

#Start the web server

chkconfig httpd on

systemctl start httpd

​

#Install the web pages for our lab

if [ ! -f /var/www/html/immersion-day-app-php7.zip ]; then

cd /var/www/html

wget -O 'immersion-day-app-php7.zip' 'https://static.us-east-1.prod.workshops.aws/public/88a8dca7-a449-45ef-8175-384d9646aea5/assets/immersion-day-app-php7.zip'

unzip immersion-day-app-php7.zip

fi

​

#Install the AWS SDK for PHP

if [ ! -f /var/www/html/aws.zip ]; then

cd /var/www/html

mkdir vendor

cd vendor

wget https://docs.aws.amazon.com/aws-sdk-php/v3/download/aws.zip

unzip aws.zip

fi

​

# Update existing packages

dnf update -y

A screenshot of a computer

Description automatically generated

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A screenshot of a computer

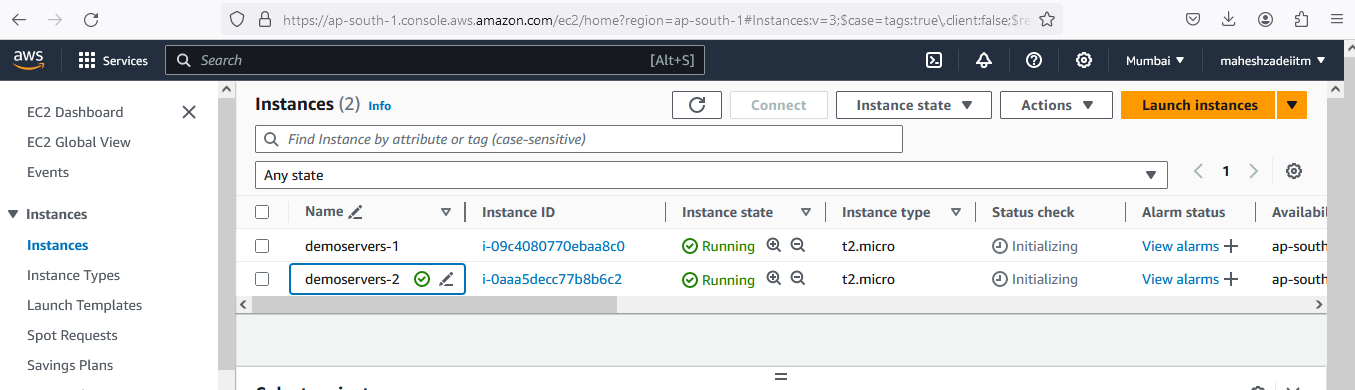
Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated



Copy the public IP in both the servers and paste in browser for the website

A screenshot of a web page

Description automatically generated

A screenshot of a web page

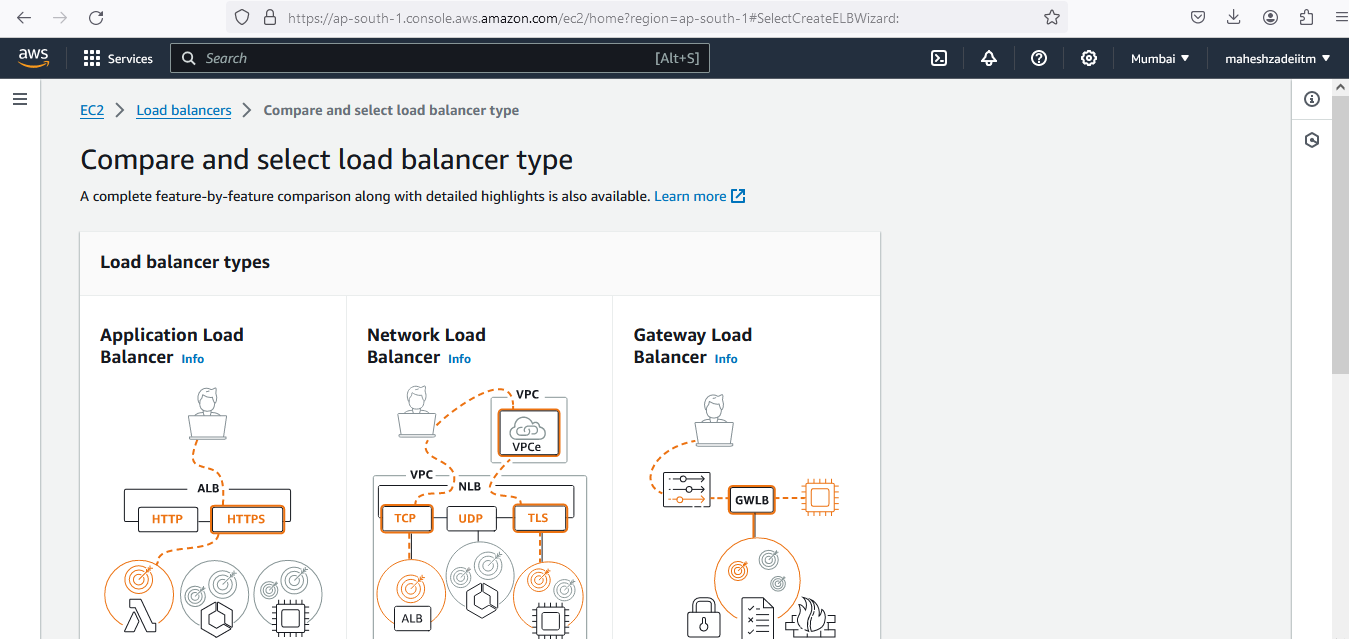
Description automatically generated

Pls make a note of availability Zone

A screenshot of a computer

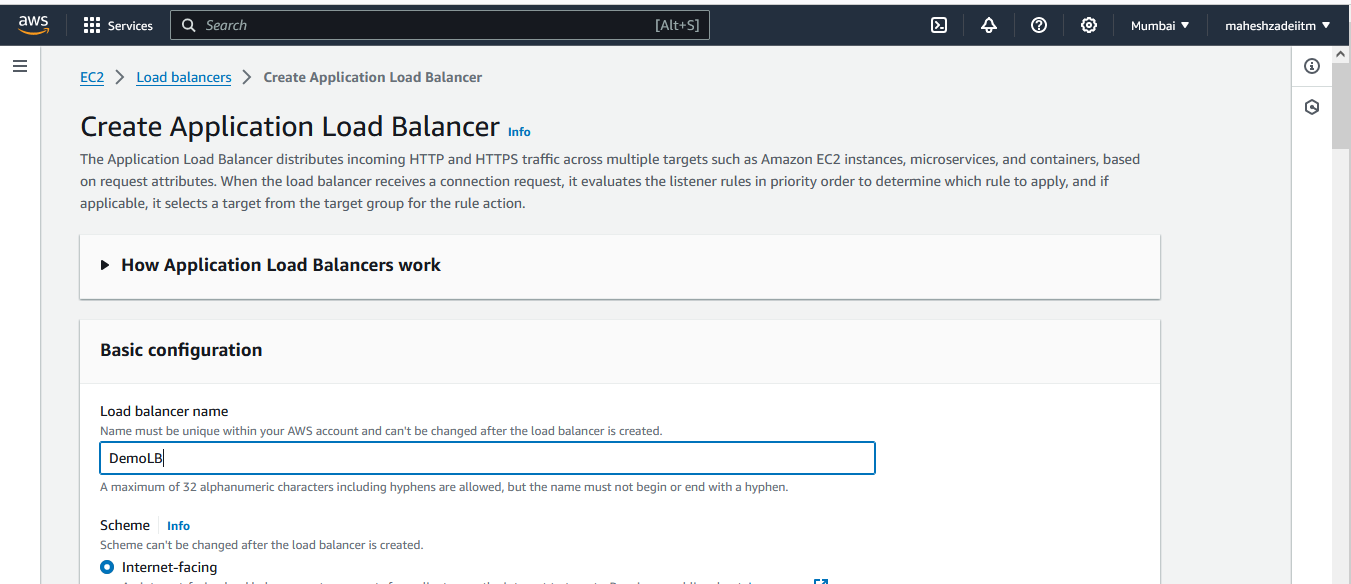
Description automatically generated

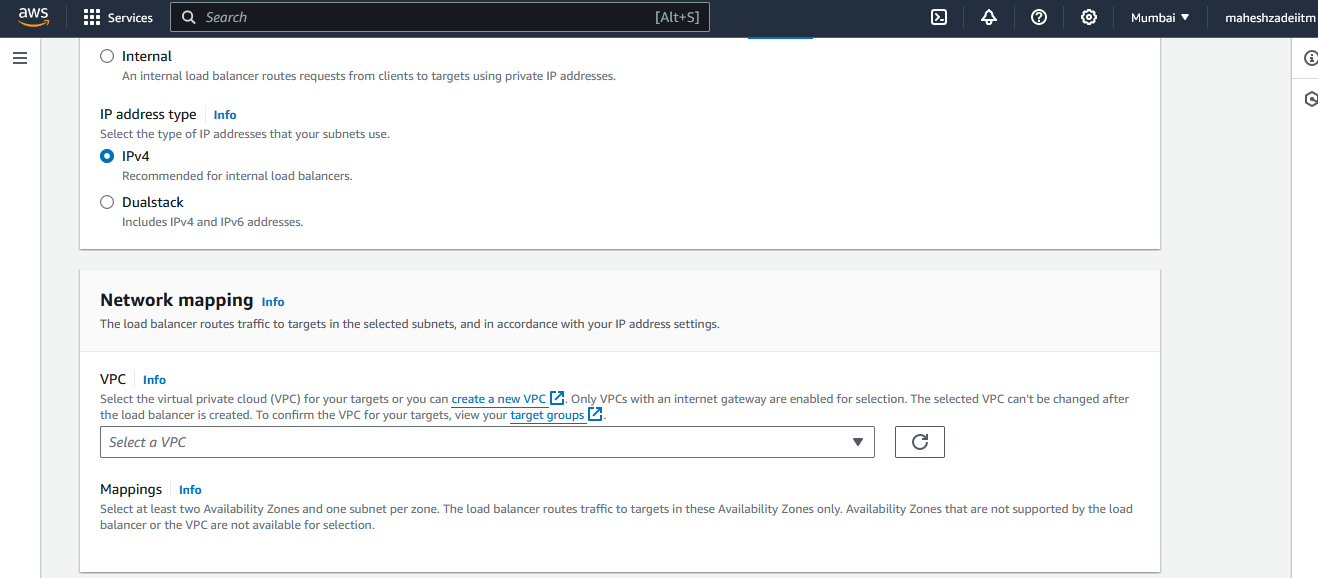
Now launch a Load Balancer



Click on application load Balancer



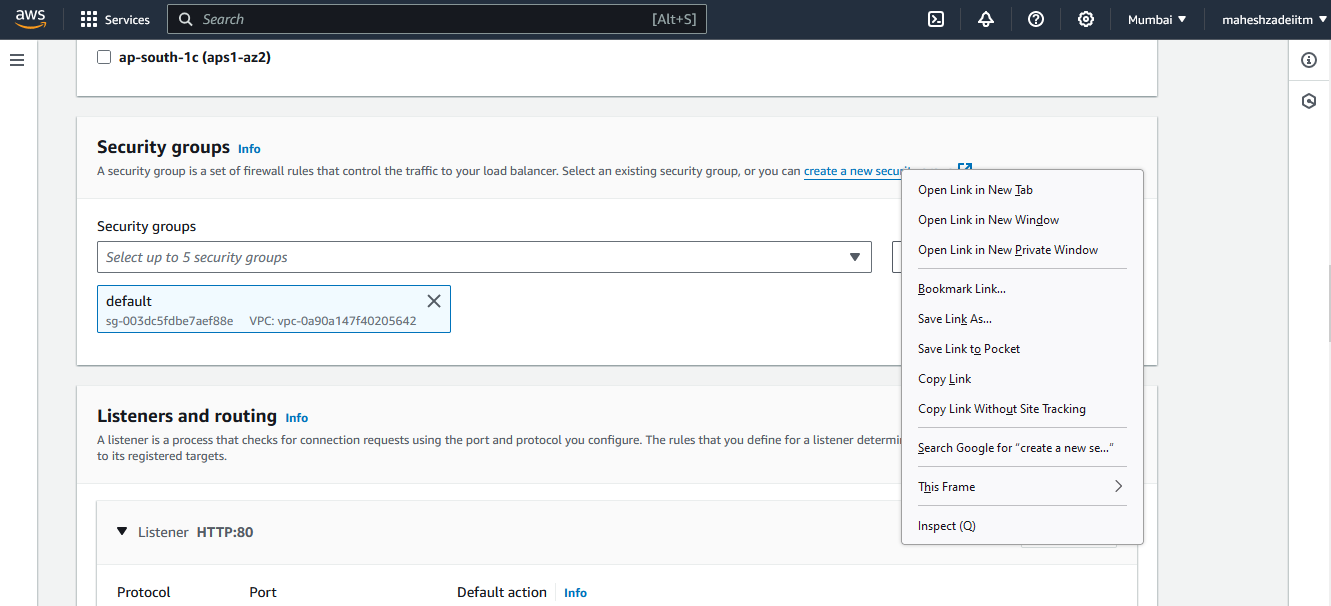


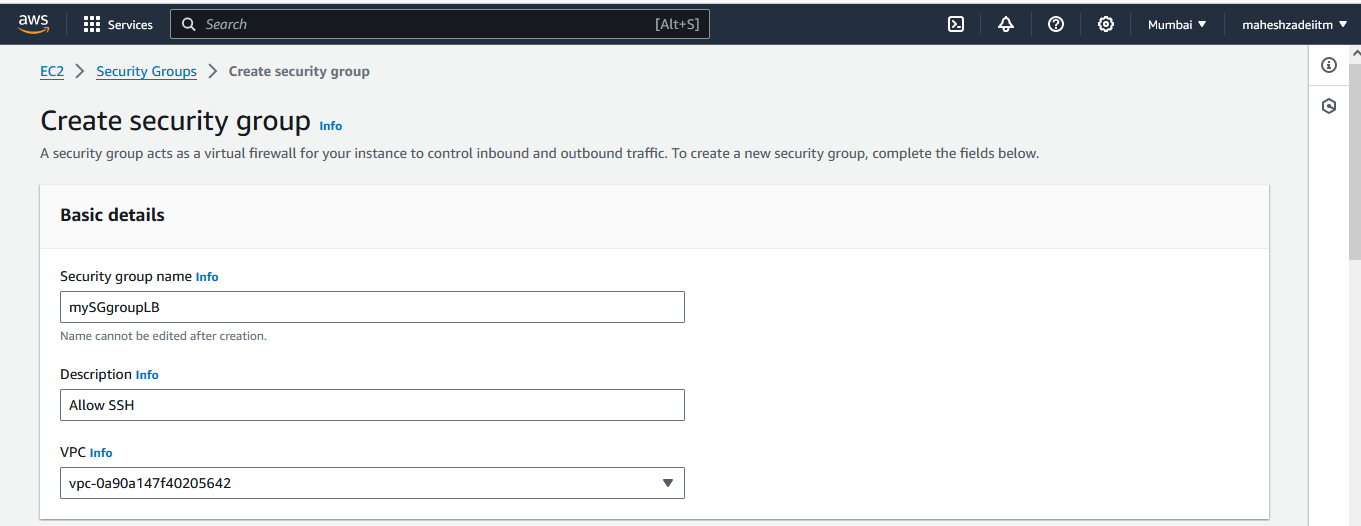


Select IPv4

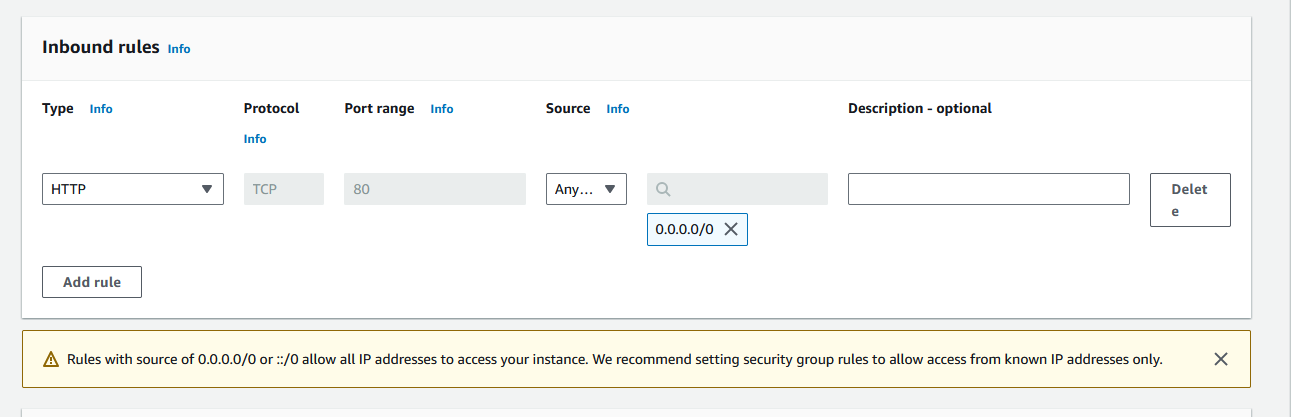


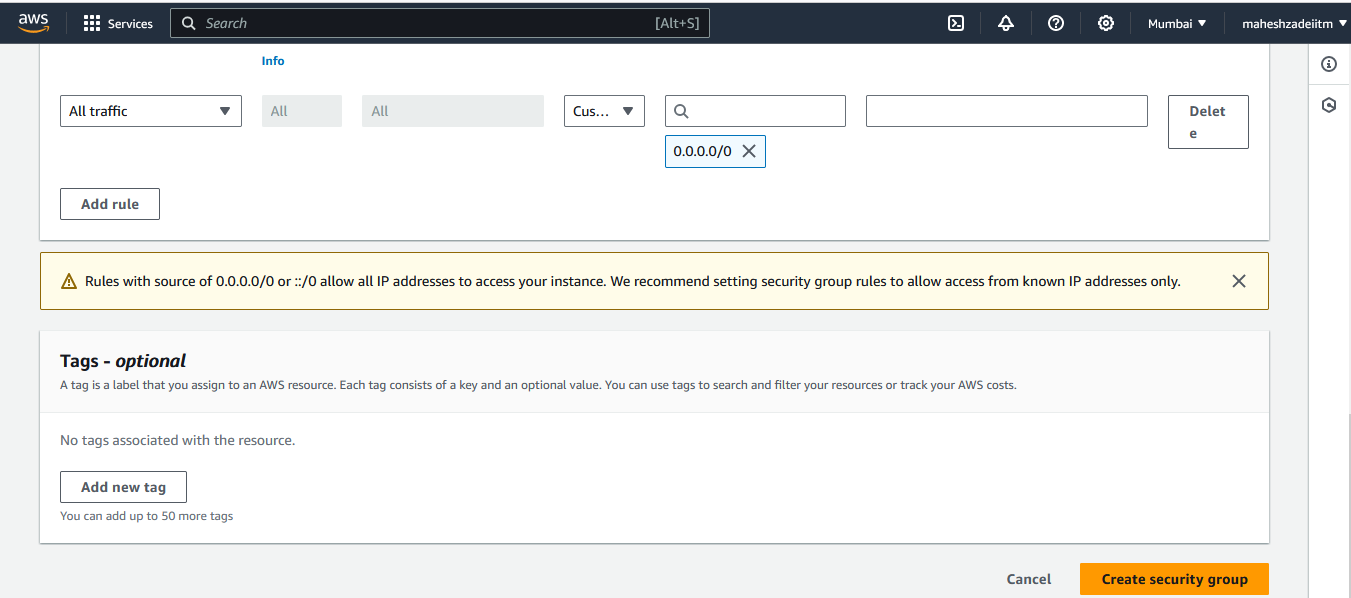
Create New Security Group

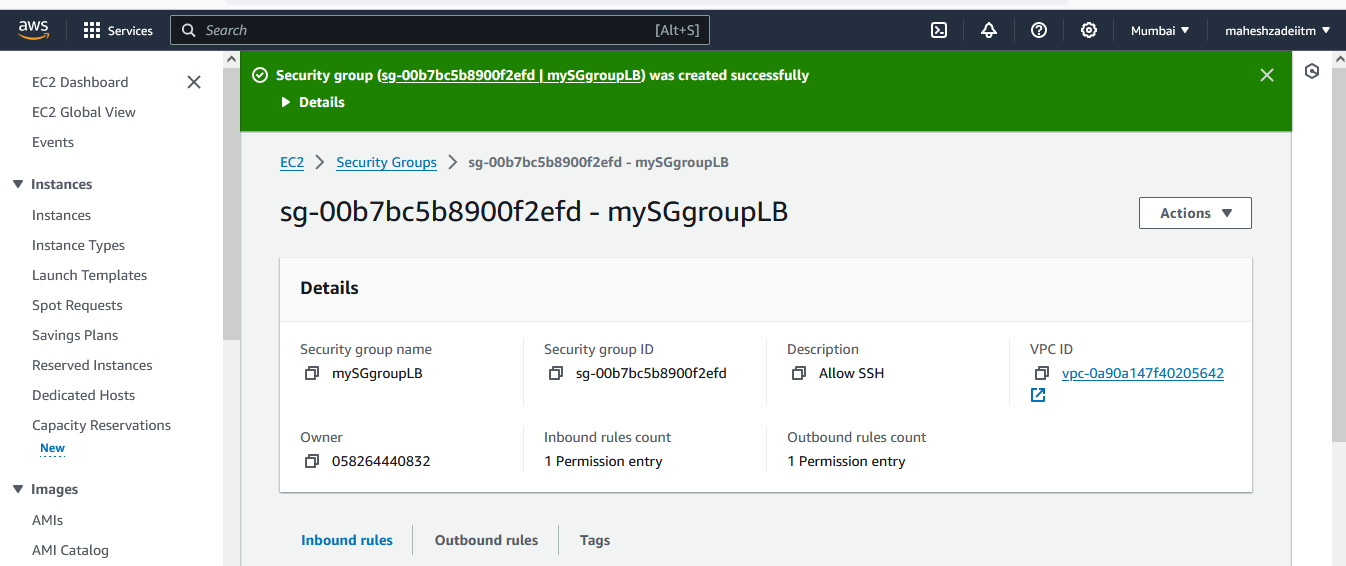




Add inbound rule







Select Secuiry Group in Load Balancer and refresh

A screenshot of a computer

Description automatically generated

Create Target Group

A screenshot of a computer

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Description automatically generated

Click on include

A screenshot of a computer

Description automatically generated

Click on create toarget group

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

Go to load Balancer

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

Now create new Bucket

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a bucket

Description automatically generated

A screenshot of a computer

Description automatically generated

Desable and Click

A screenshot of a computer

Description automatically generated

Click on create bucket

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

Create a folder S3 Static web site hosting or any and copy the file

A group of icons with text

Description automatically generated

Copy this content from html file

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

Pls replace in purple colour address

Now upload the AWS.png in the bucket

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

Copy the image url and paste in html file

<https://demo-static-website-hosting-13-02-2024.s3.ap-south-1.amazonaws.com/aws.png>

A close-up of a computer screen

Description automatically generated

Go to load Balancer now

Now Load Balancer showing Active

A screenshot of a computer

Description automatically generated

Copy DNS of load balancer

A screenshot of a computer

Description automatically generated

Paste DNS in browser

A screenshot of a web page

Description automatically generated

Now copy load balancer DNS in index.html file and save it

DemoLB-1294487803.ap-south-1.elb.amazonaws.com

A screenshot of a computer

Description automatically generated

Now upload the new index.html file

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

Pls select both the file and go to action and make it public using ACL

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

Paste the url of index.html in browser

A screenshot of a computer

Description automatically generated

Copy the url of image file in S3 bucket and paste in browser

Now we have launched the static website using s3 bucket .