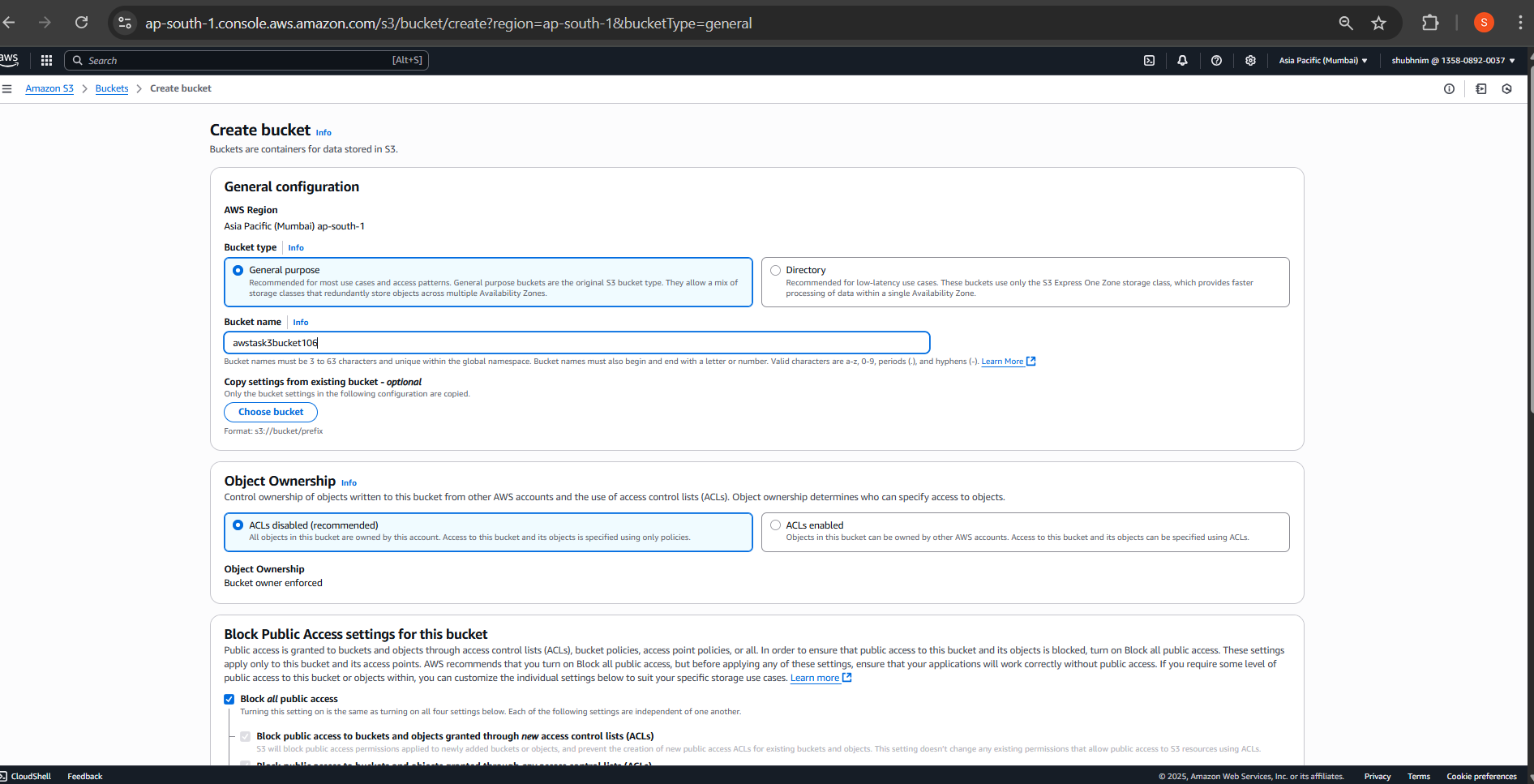
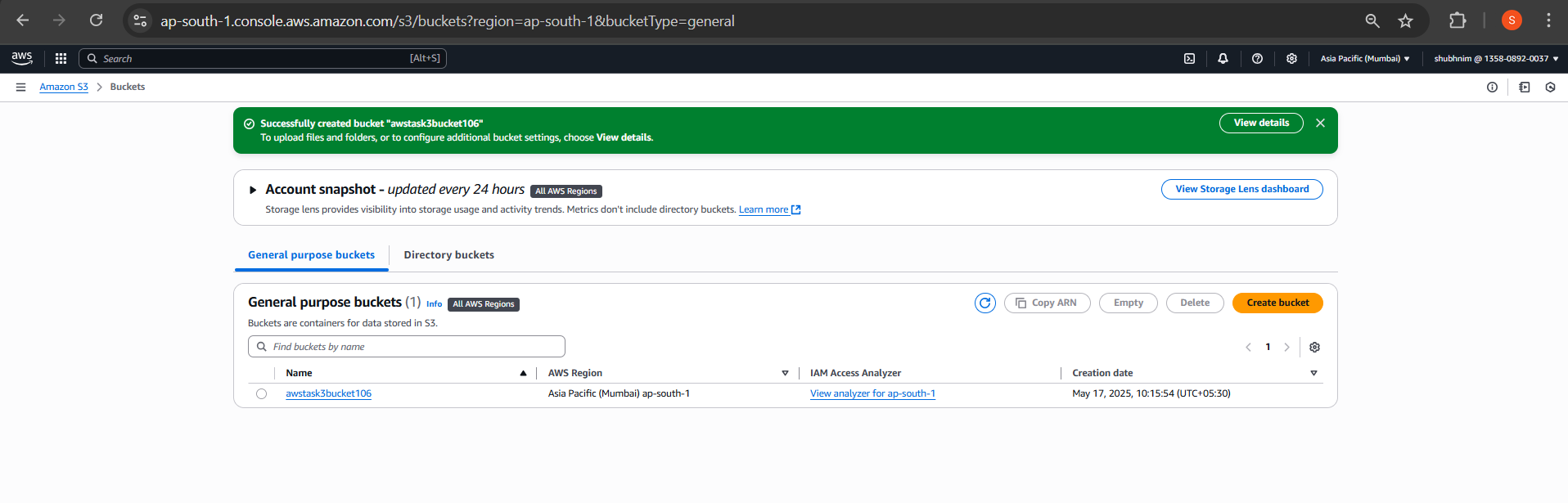
**Task Description:**

Create a S3 bucket, with no public access and upload files to the bucket & view the logs using cloudwatch for the uploaded files.

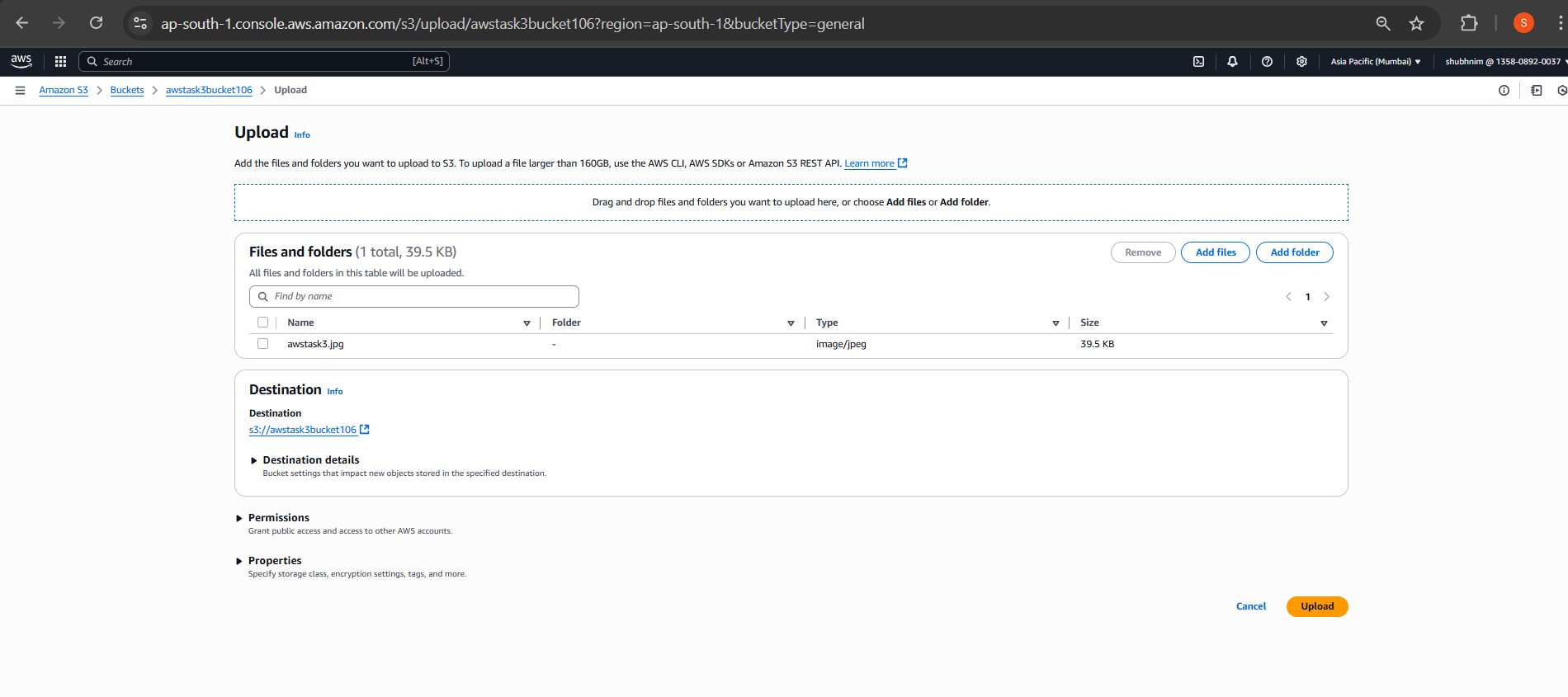
Launch two ec2-instances and connect it to a application load balancer, where the output traffic from the server must be an load balancer IP address

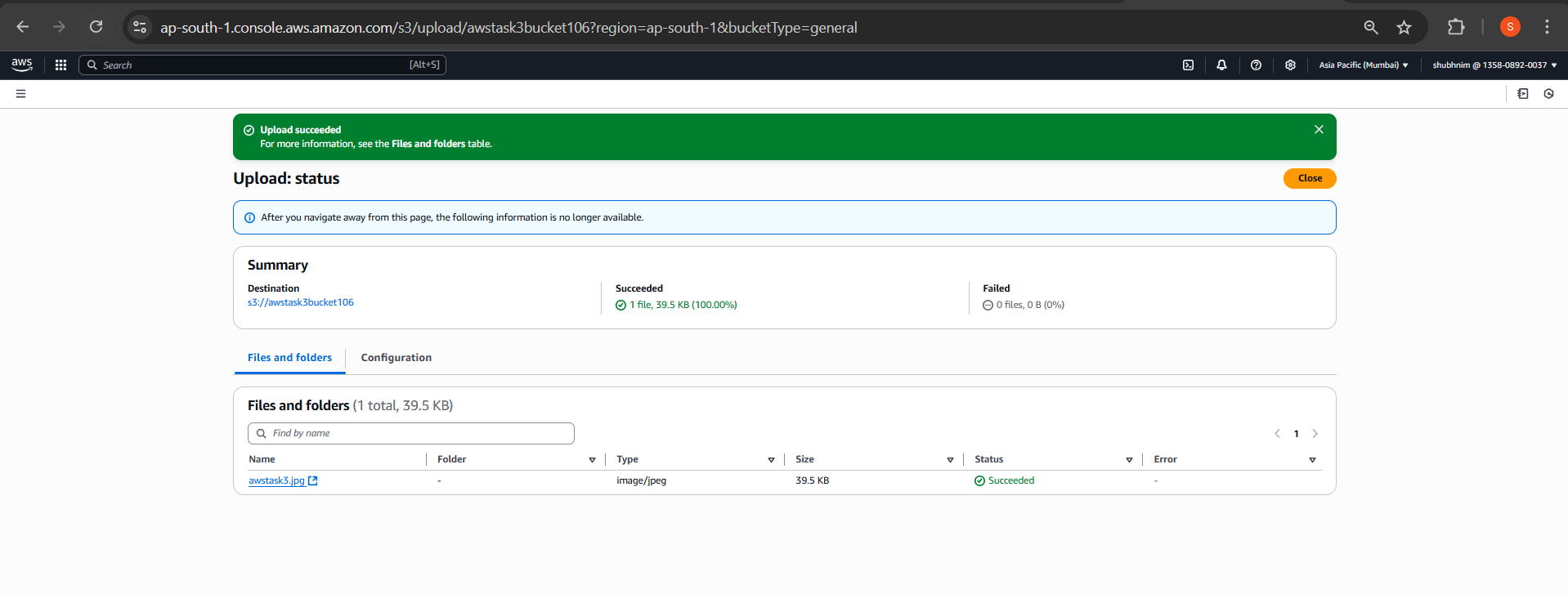
Create s3 bucket:



****

**Upload file:**

****

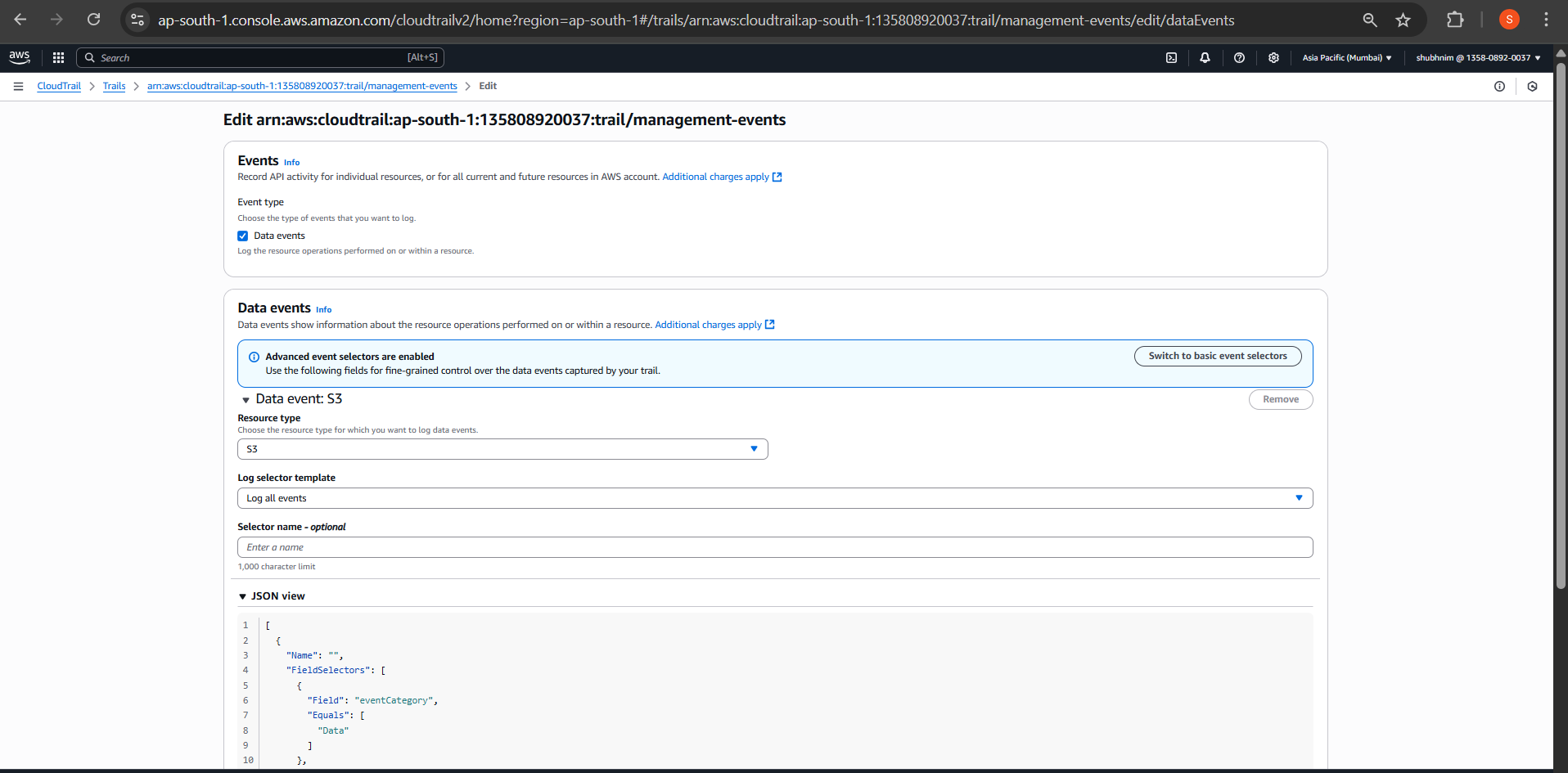
****

**Enable CloudWatch Logging (S3 Access Logs):**

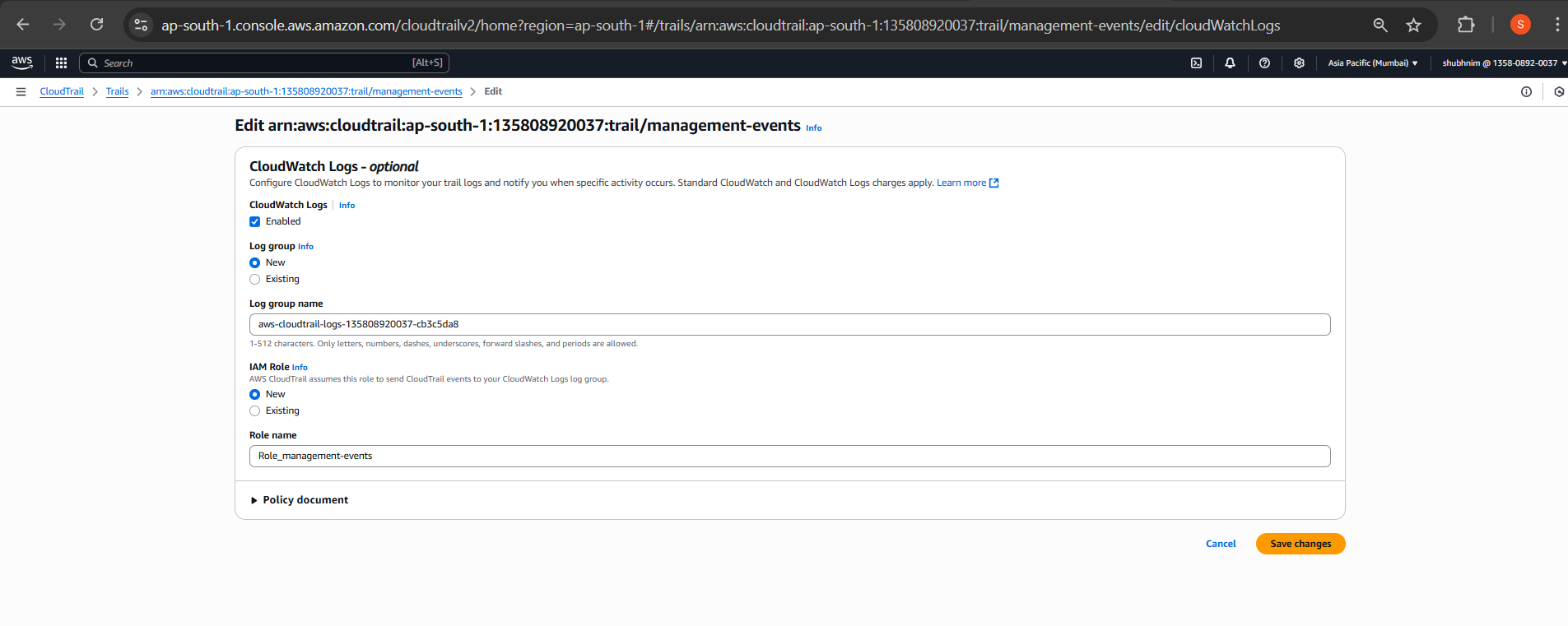
**Created cloud trail:**

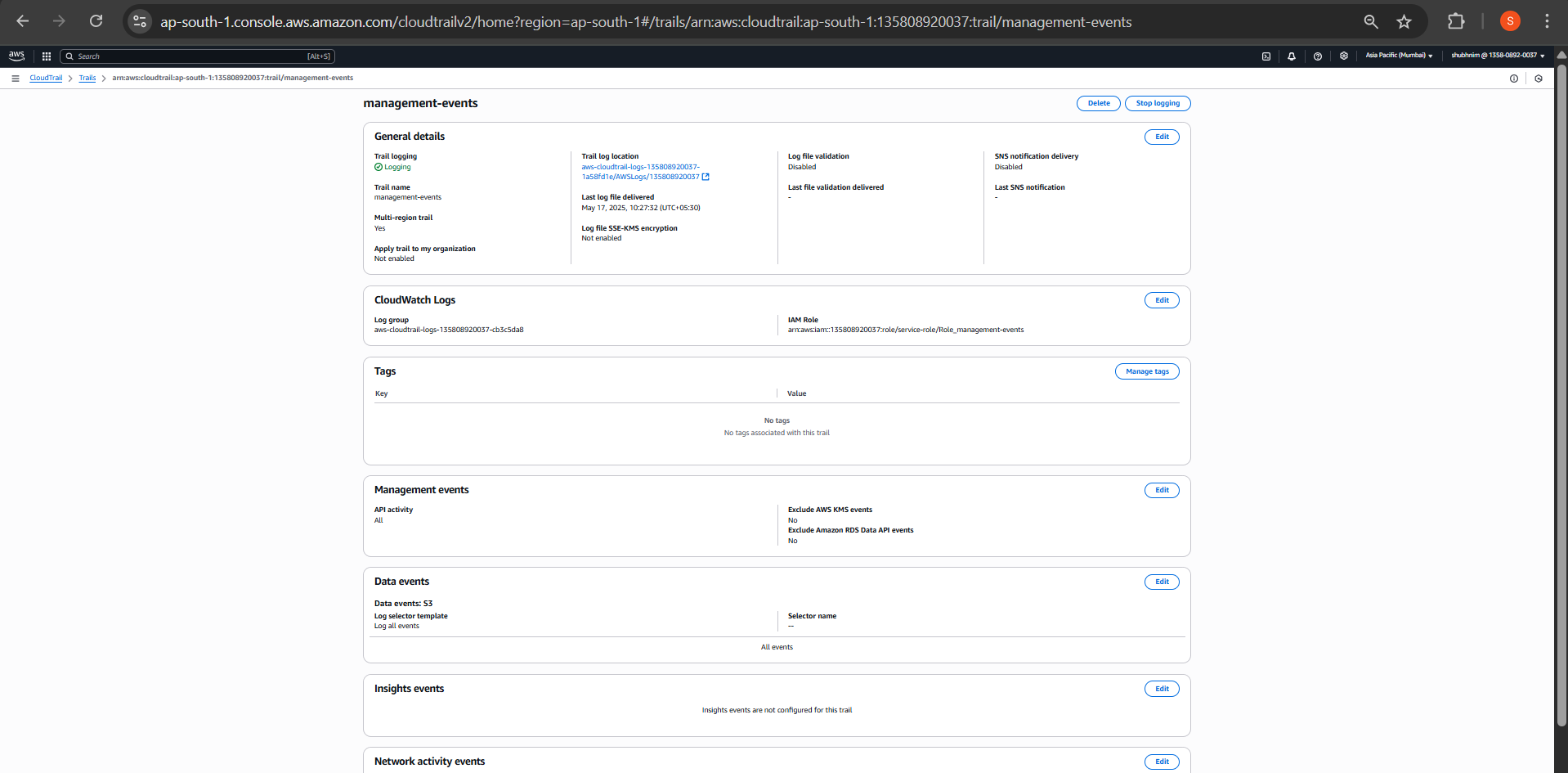
****

**Enable data event logging for S3:**

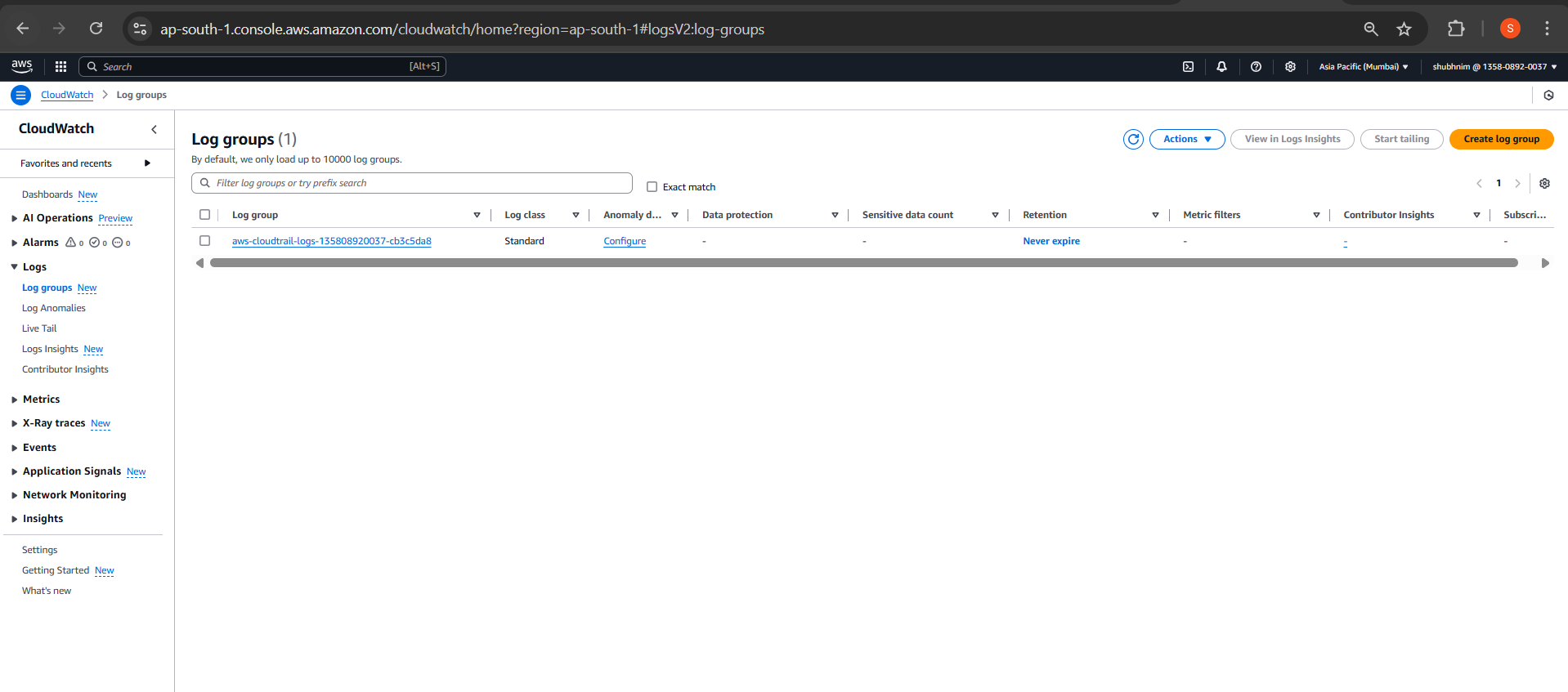
****

**Send logs to a CloudWatch log group**

****

****

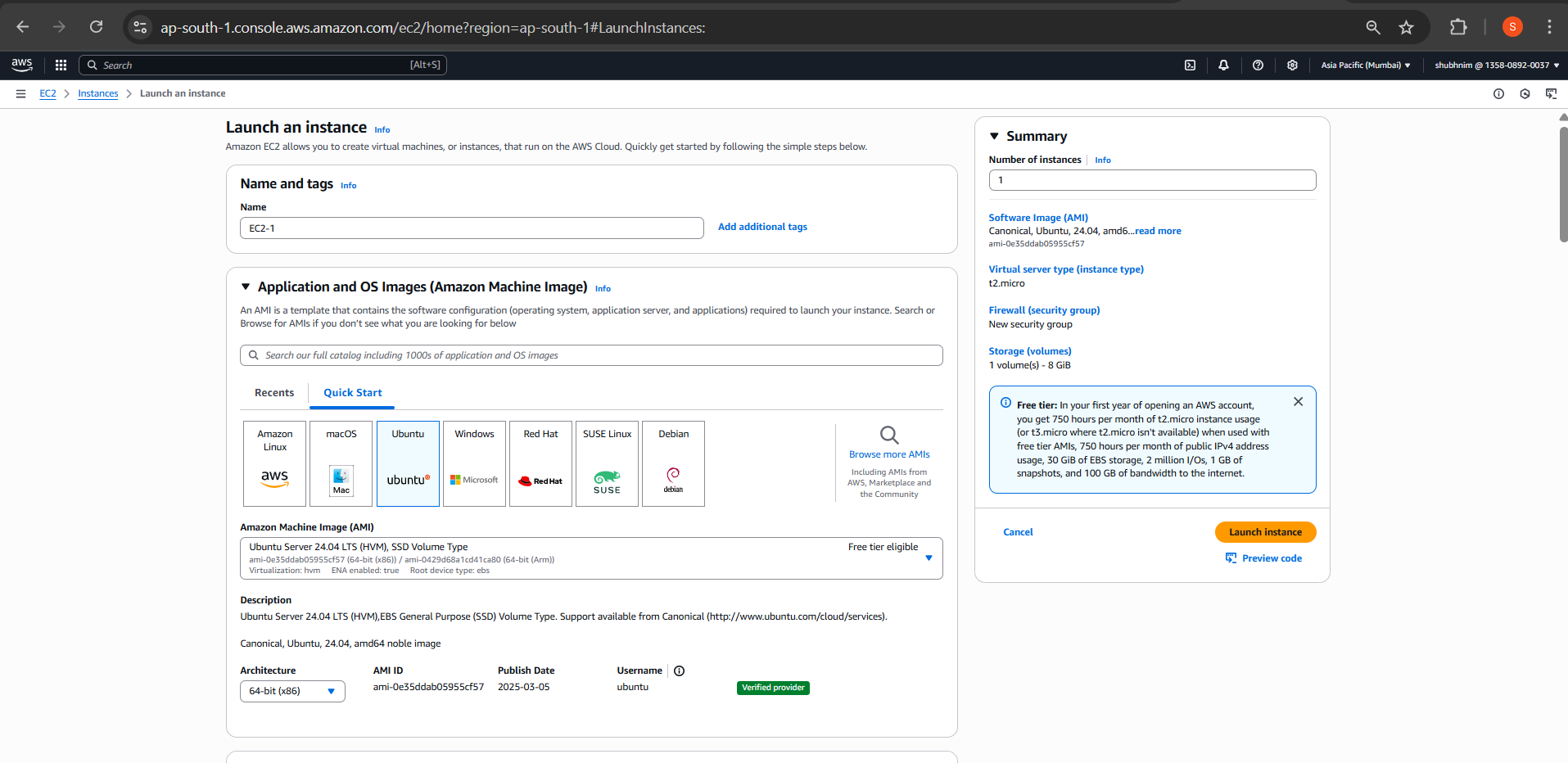
**Cloudwatch is showing PutObject events as logs**

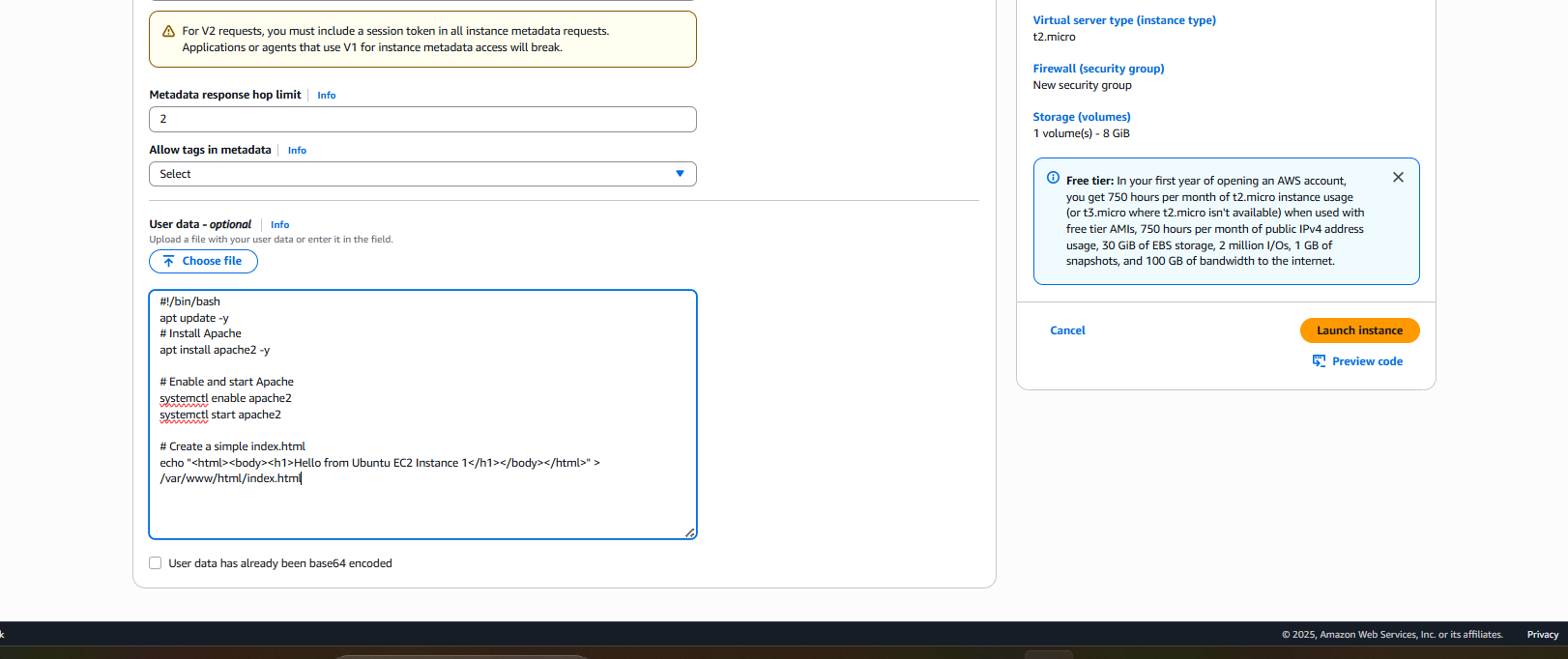
****

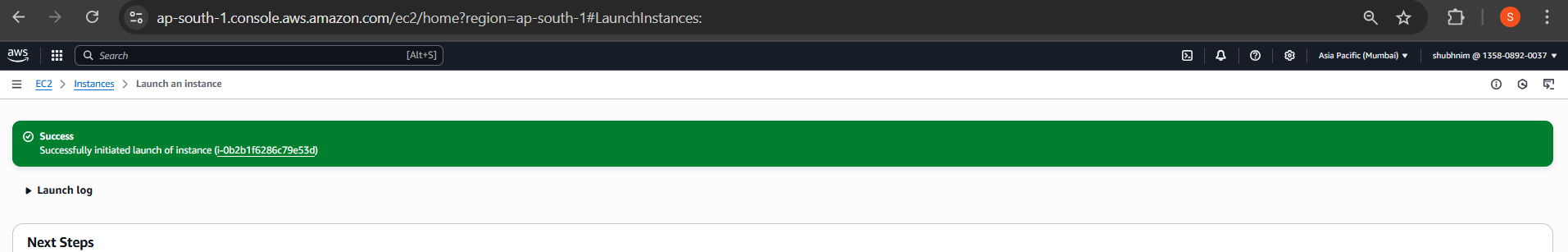
****

Launch Two EC2 Instances:

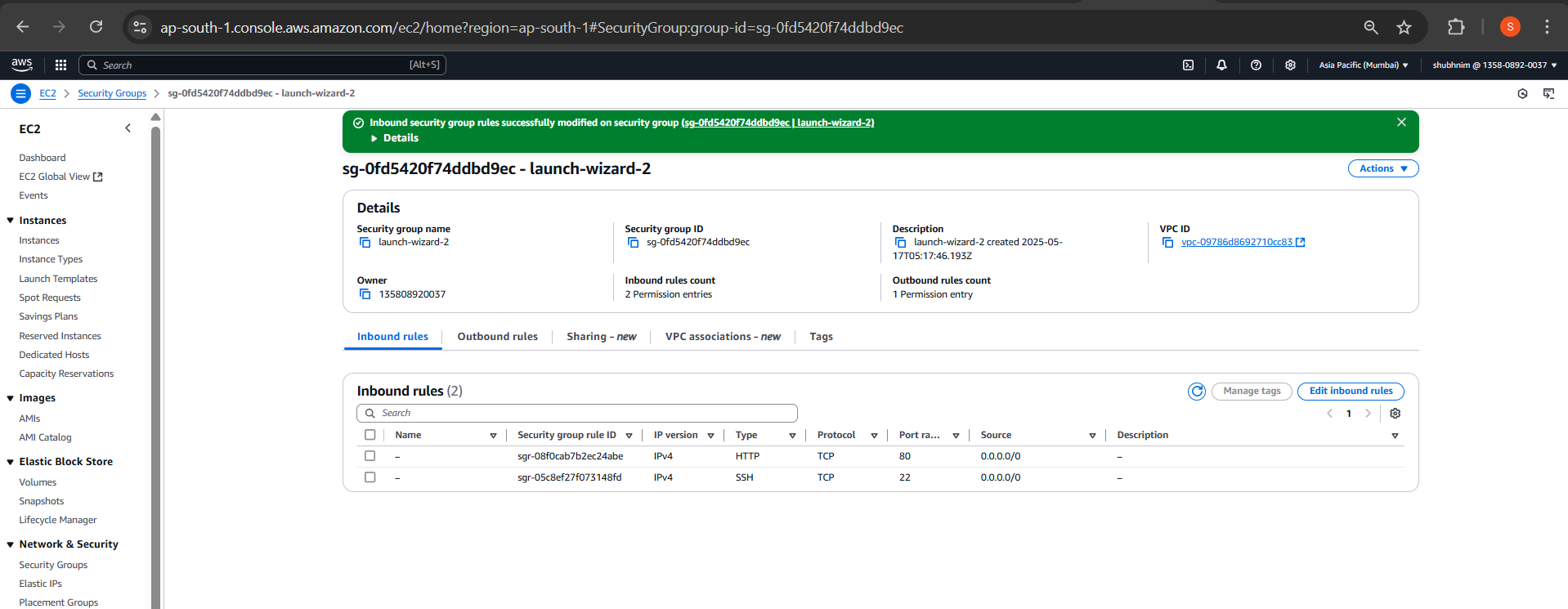
EC2-1

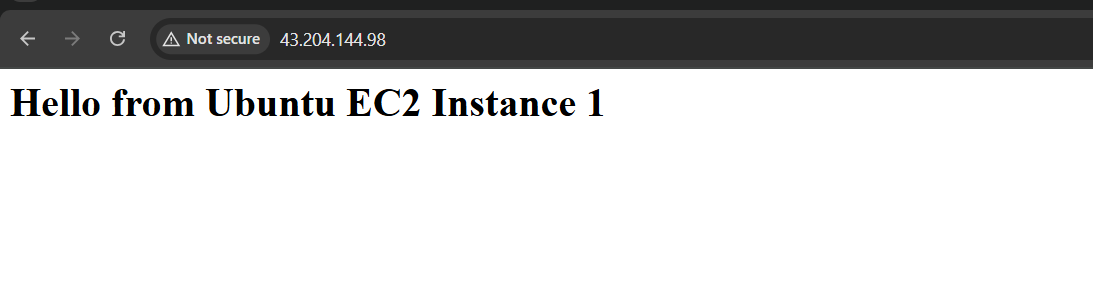




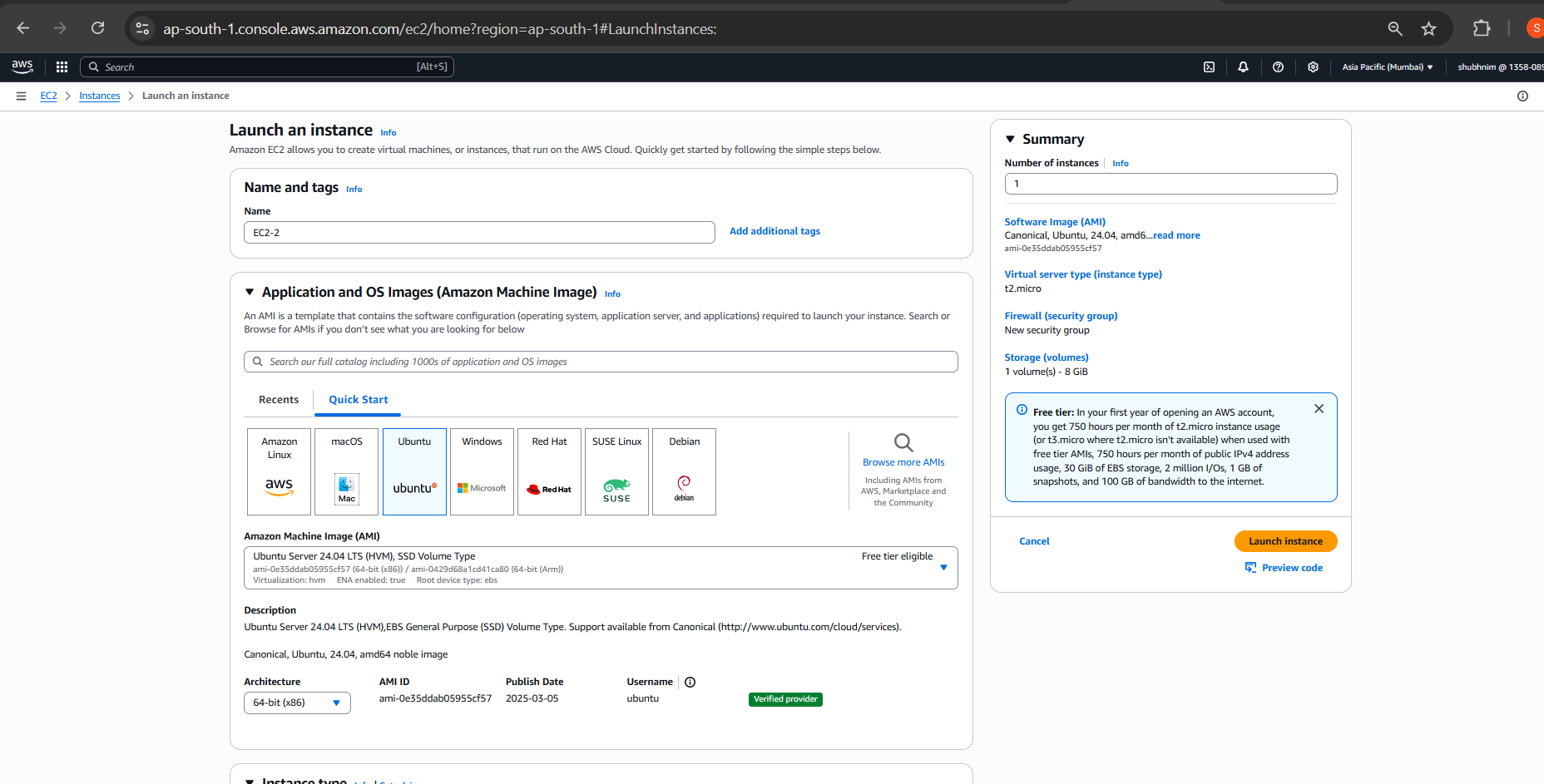


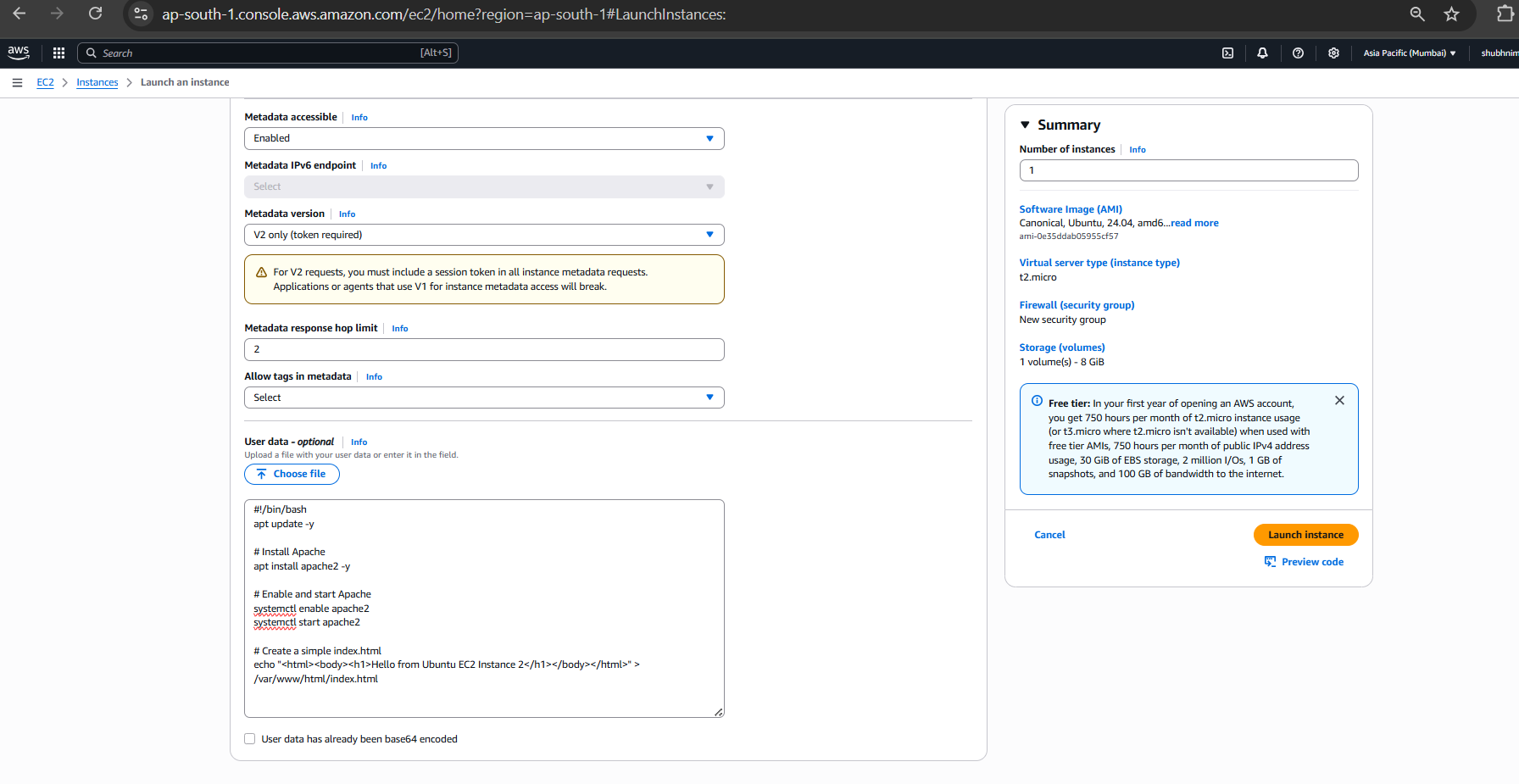
ADDED INBOUND RULE TO Allow Web Traffic:

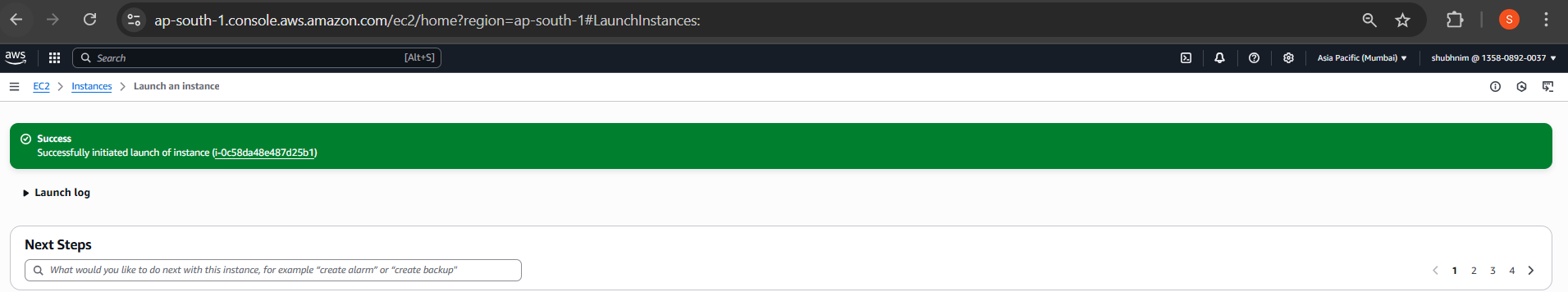




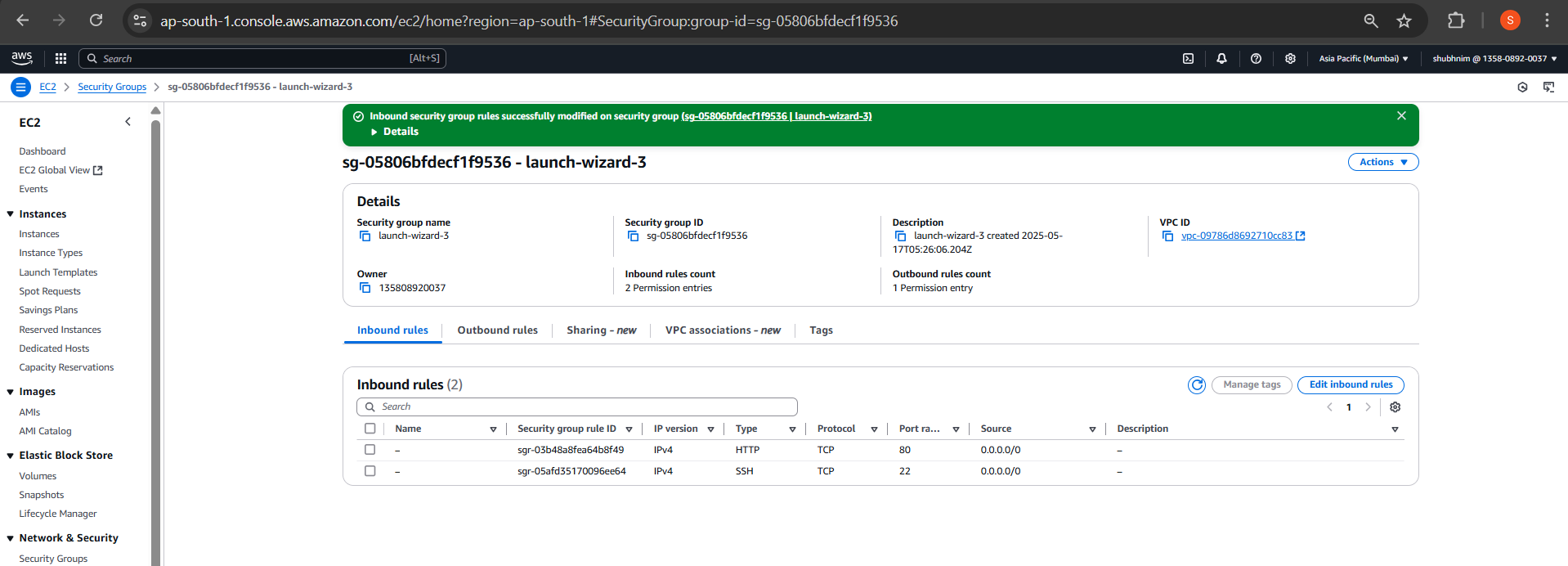
EC2-2:

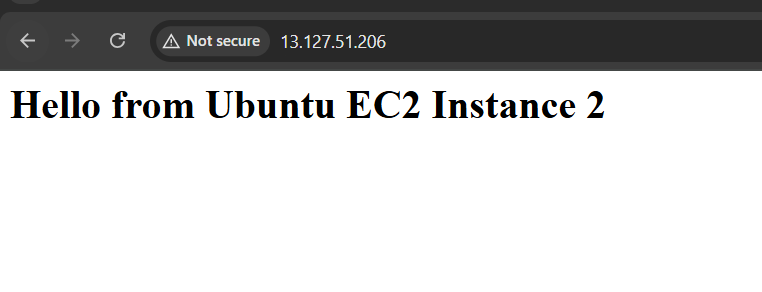
****



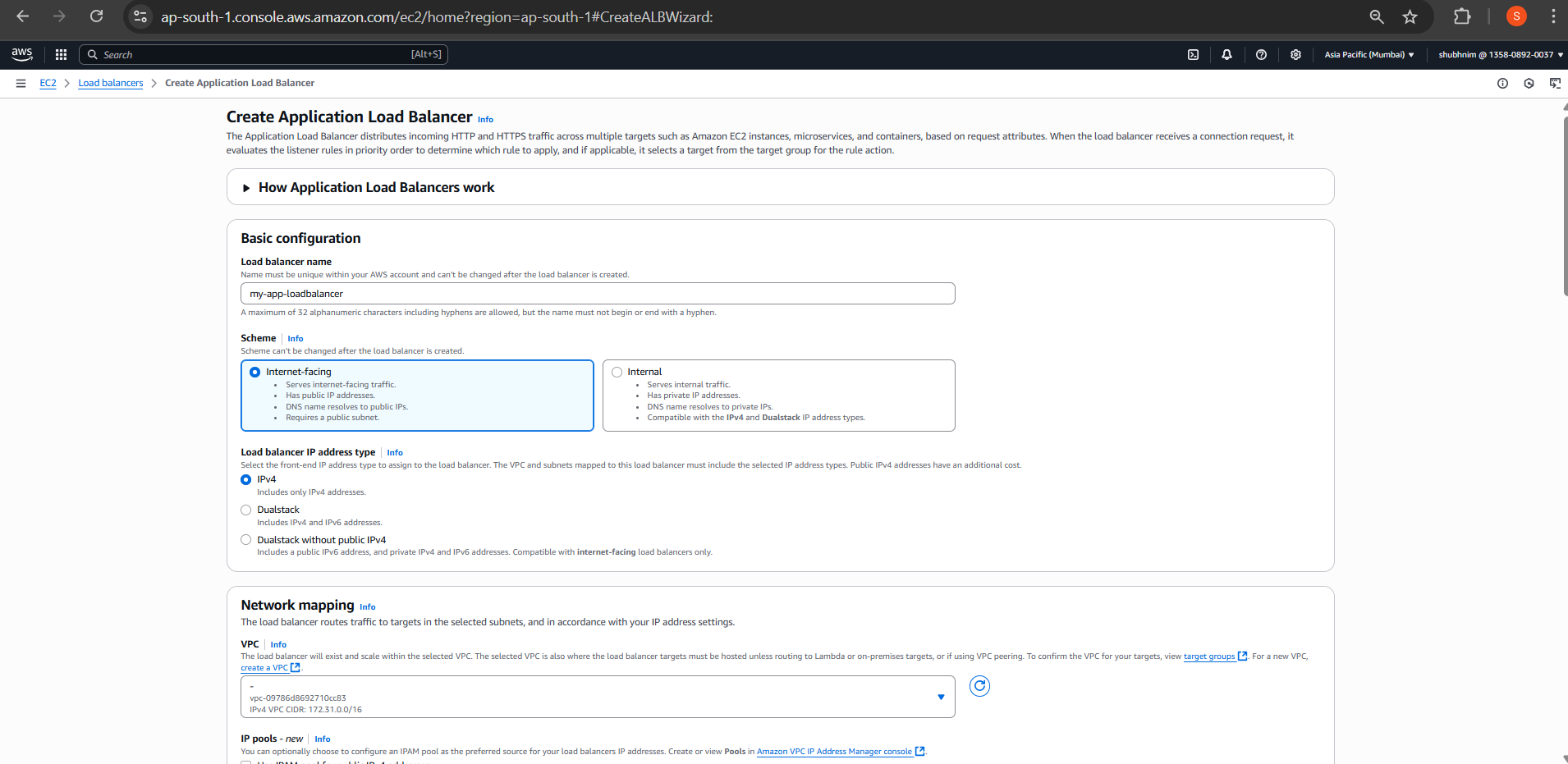


ADDED INBOUND RULE TO Allow Web Traffic

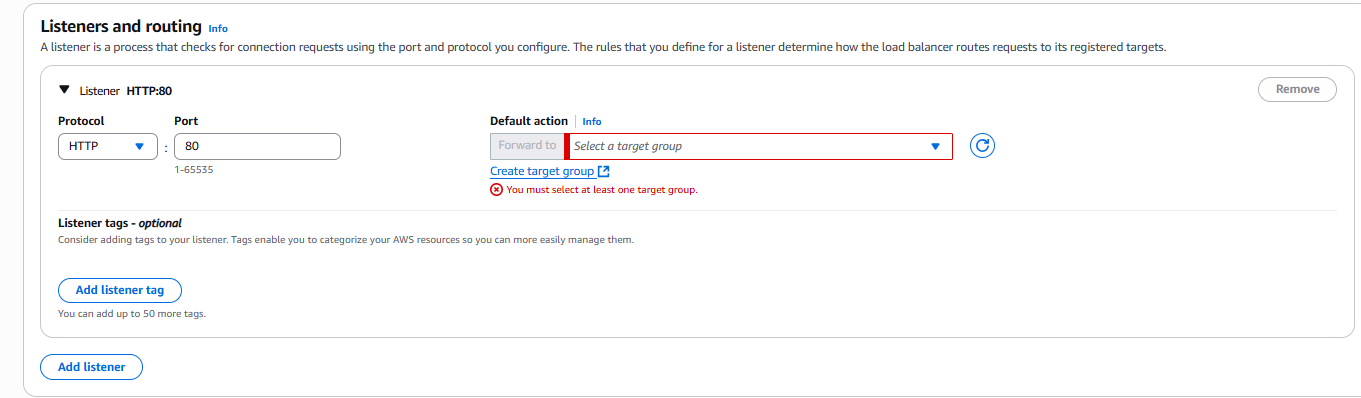




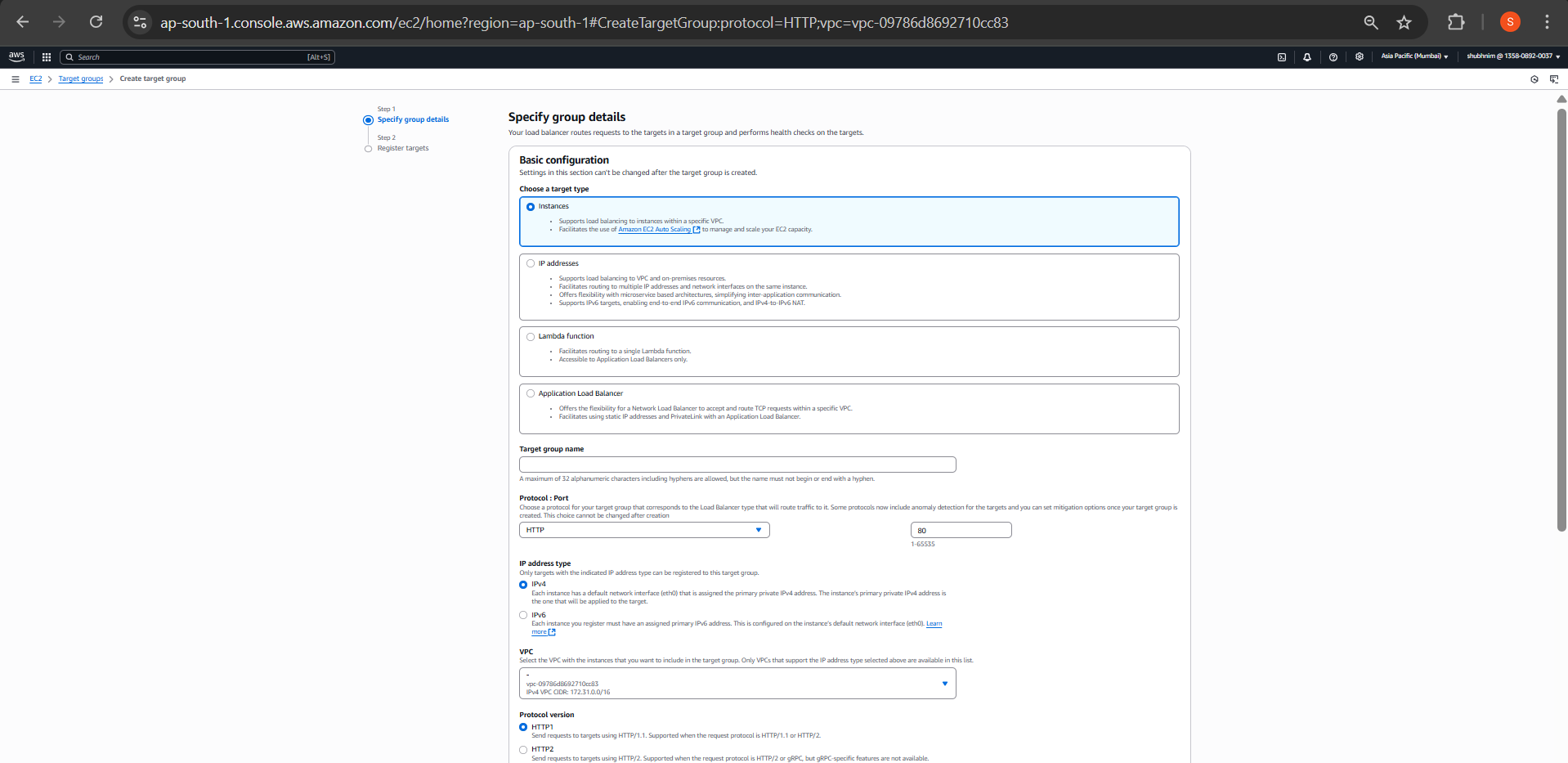
Create an Application Load Balancer:



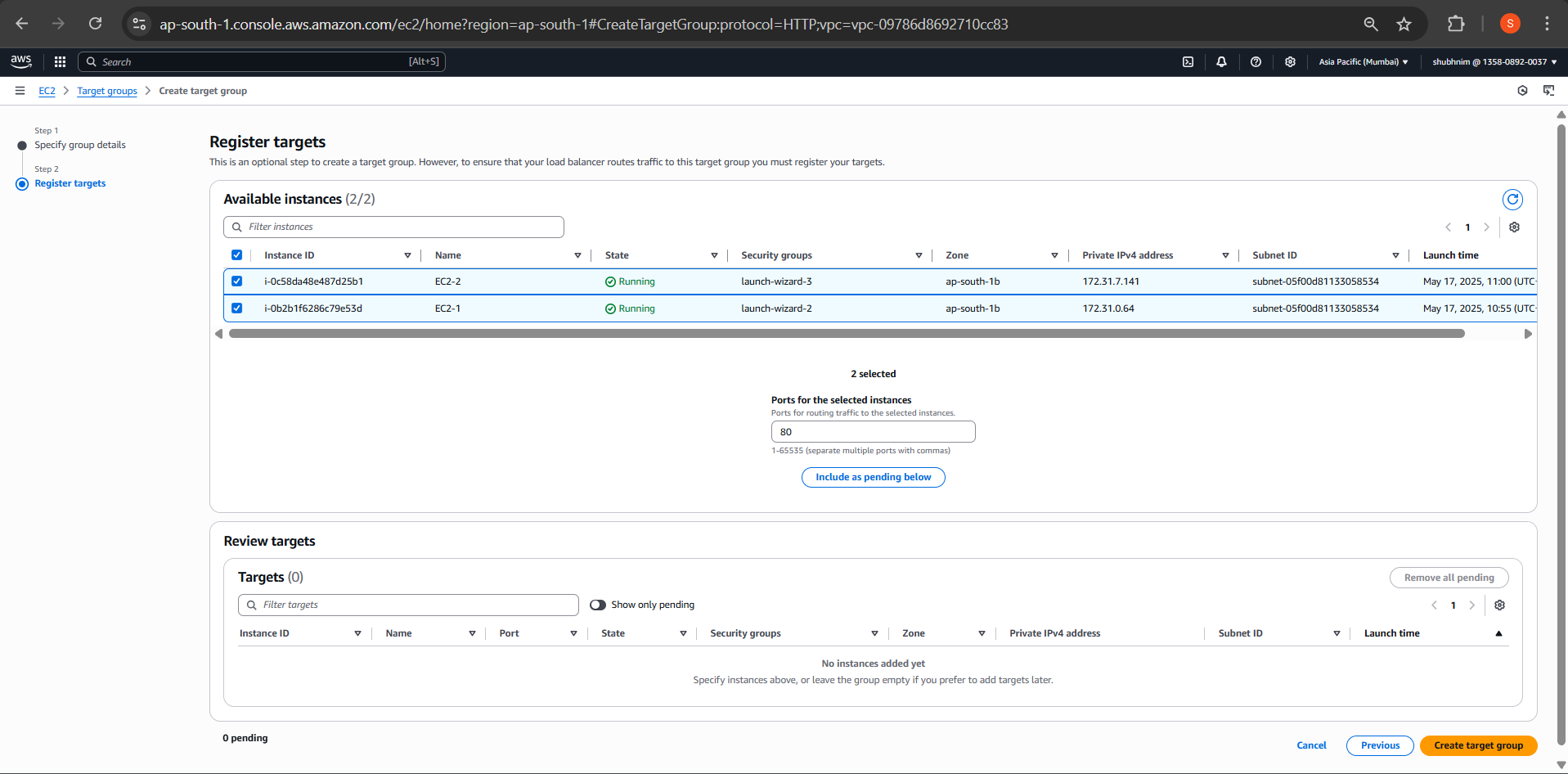
Configure Listeners

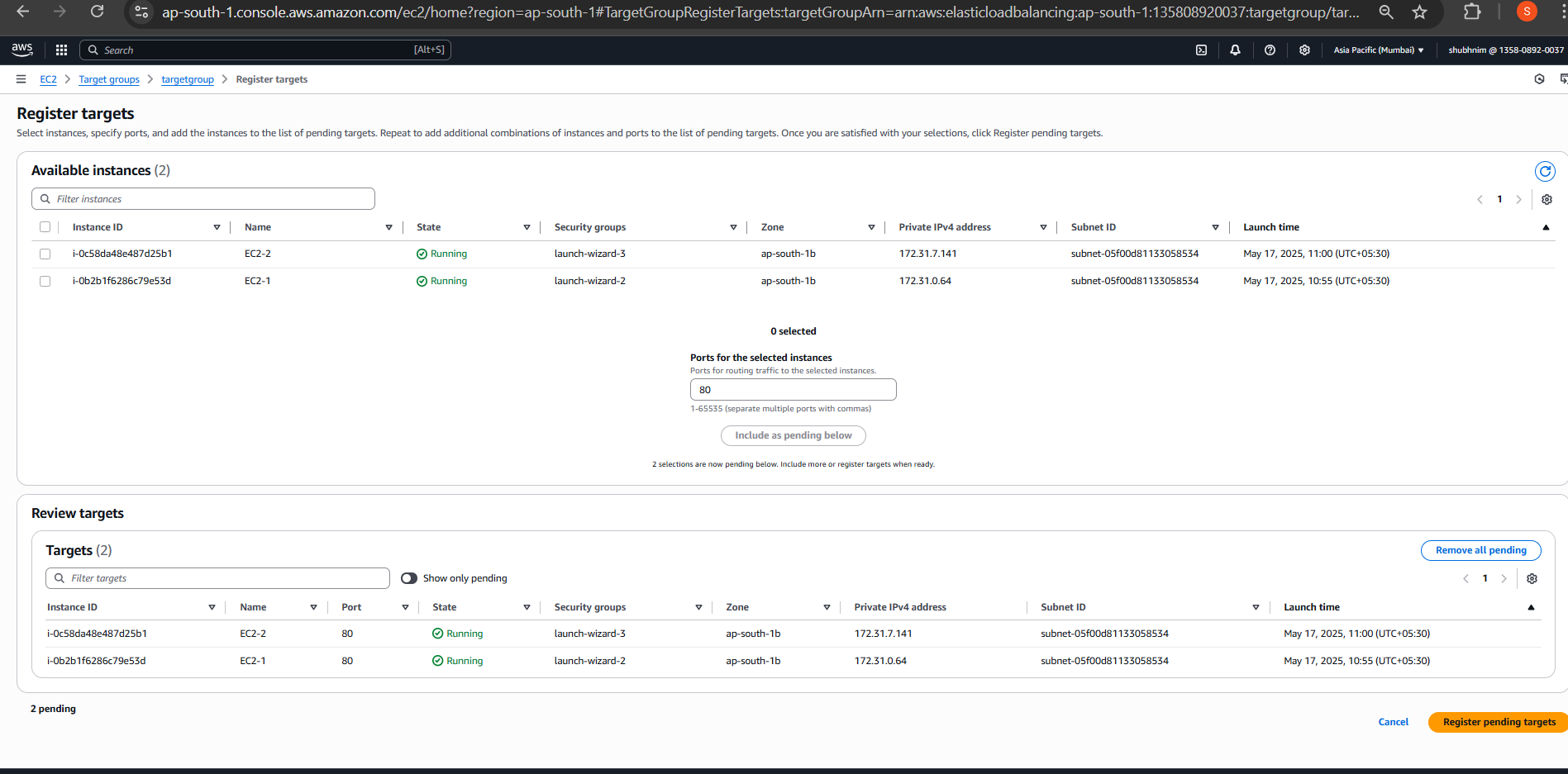


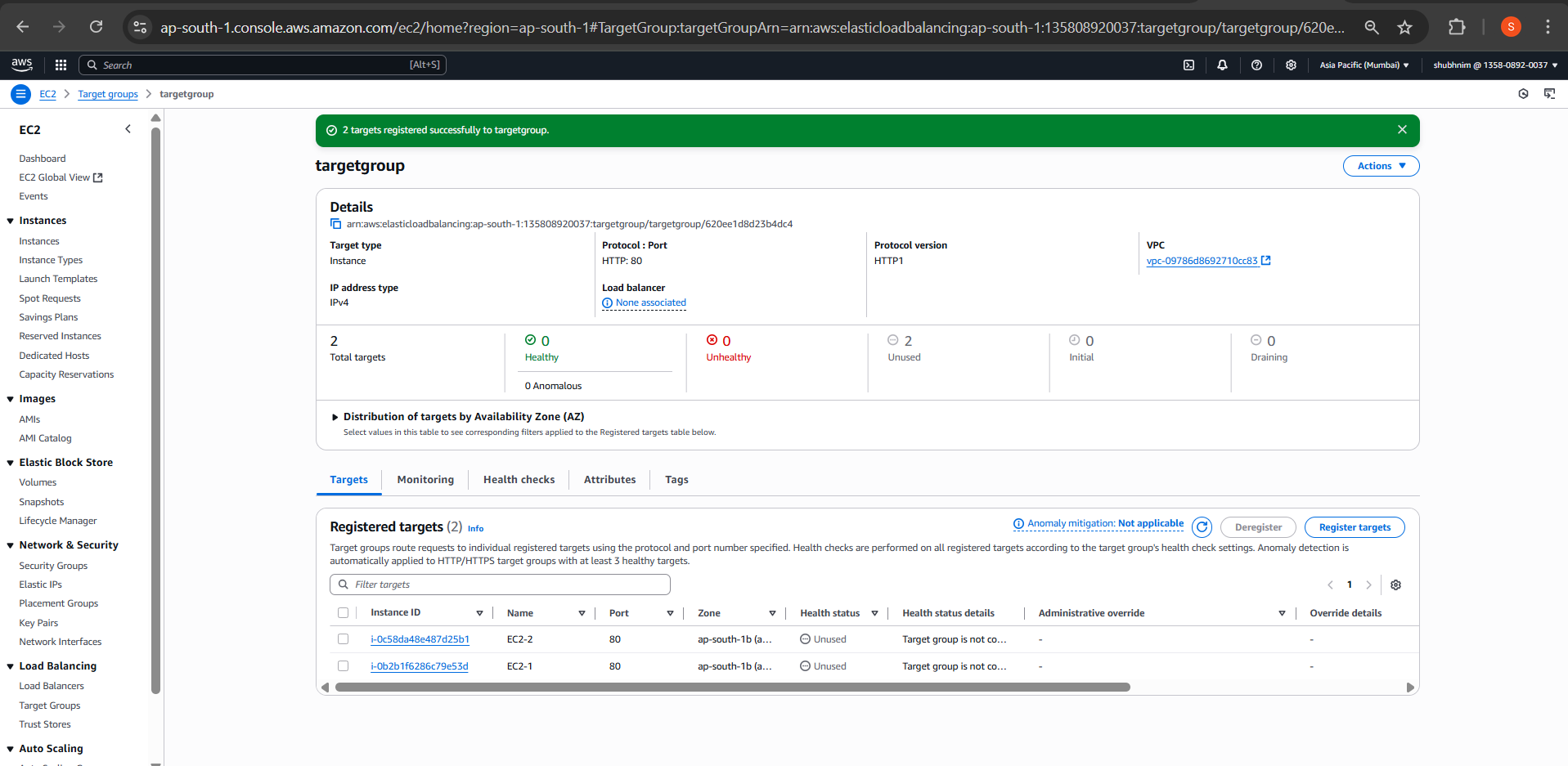
Create target group:



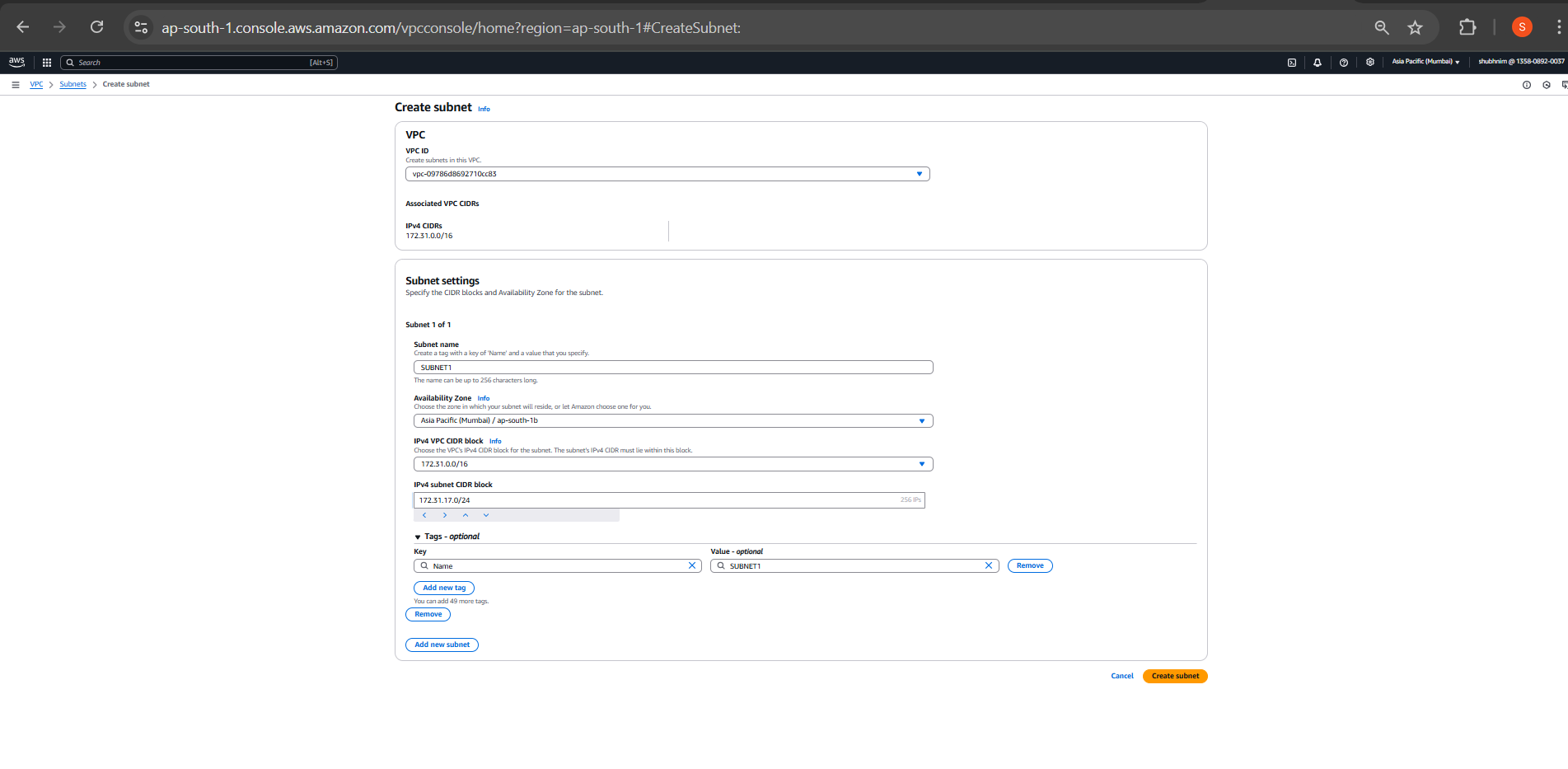
Register both instances:

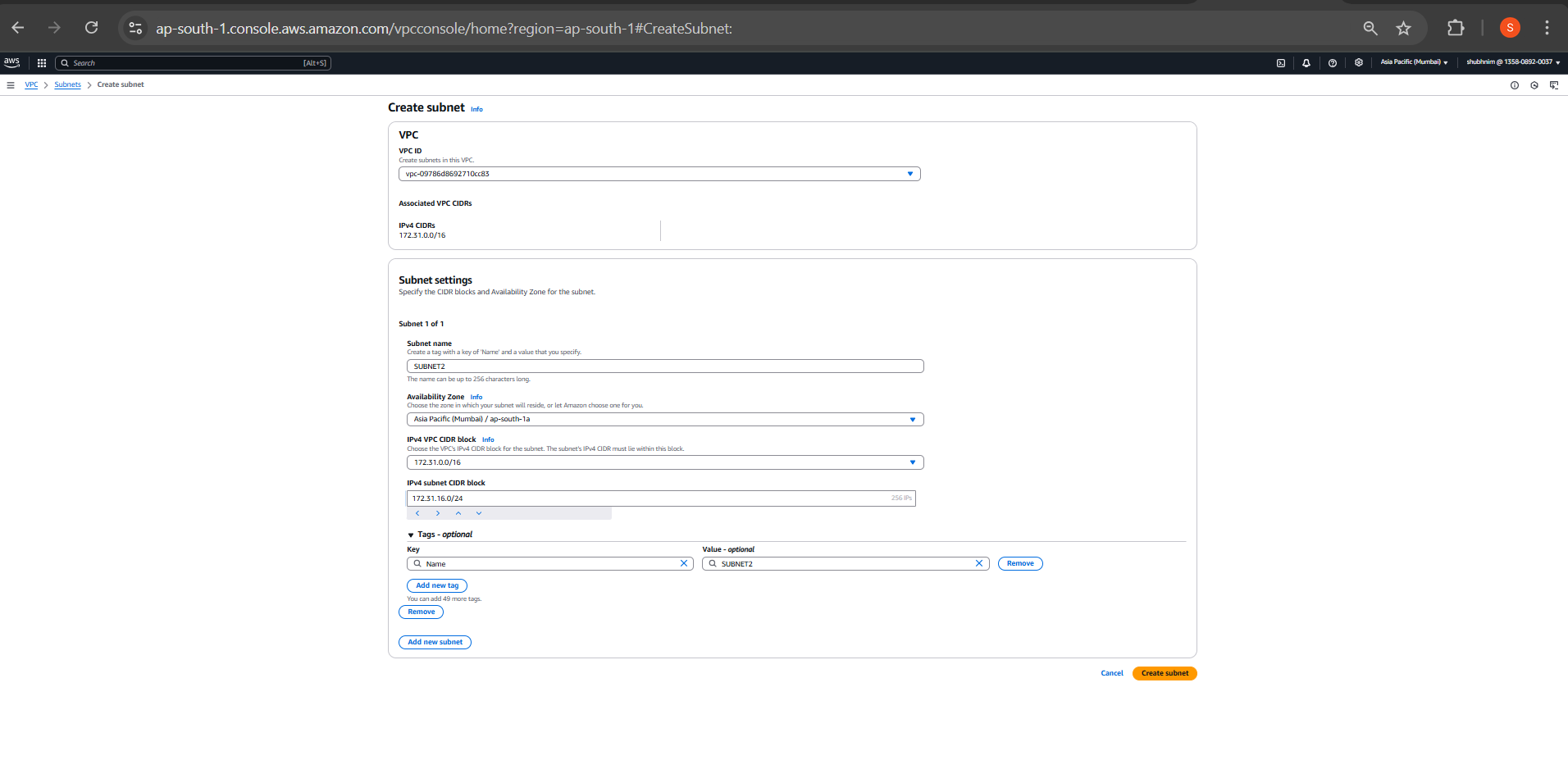


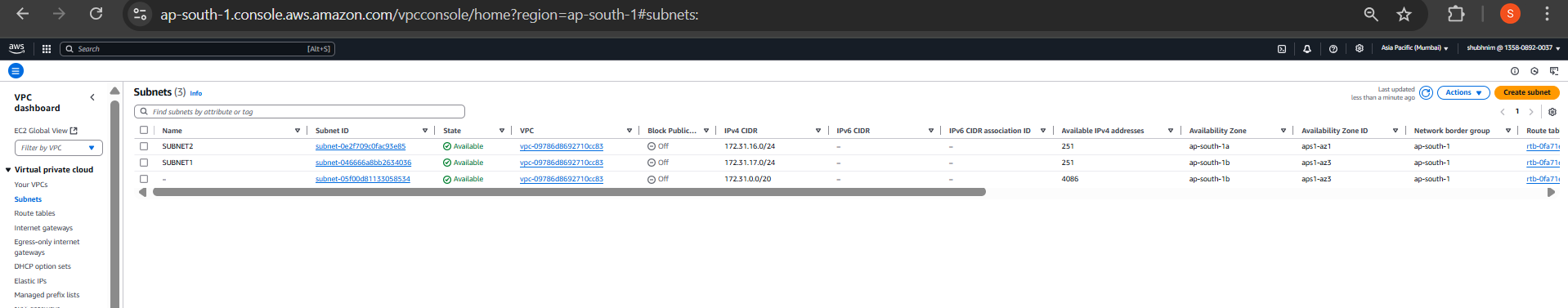




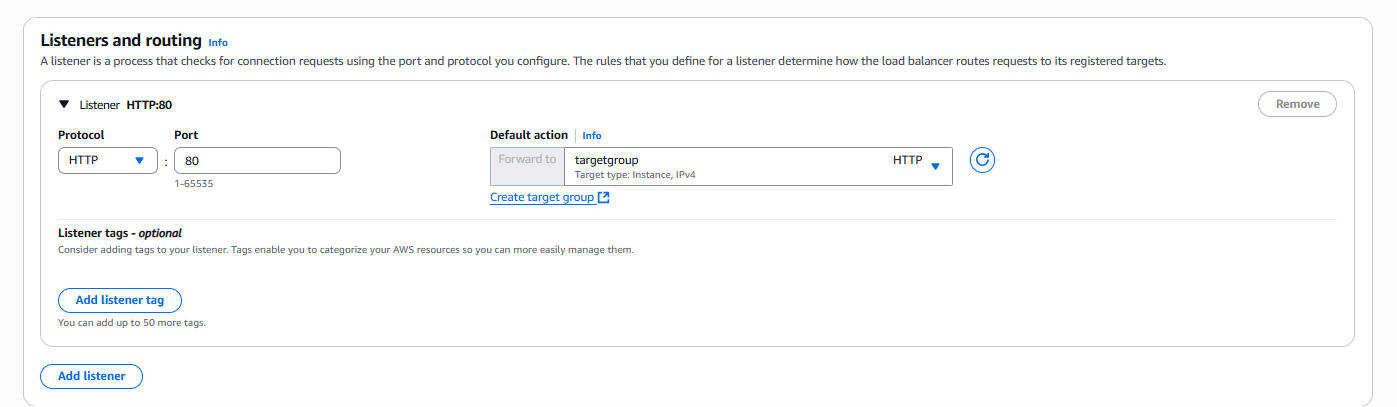
CREATING SUBNETS

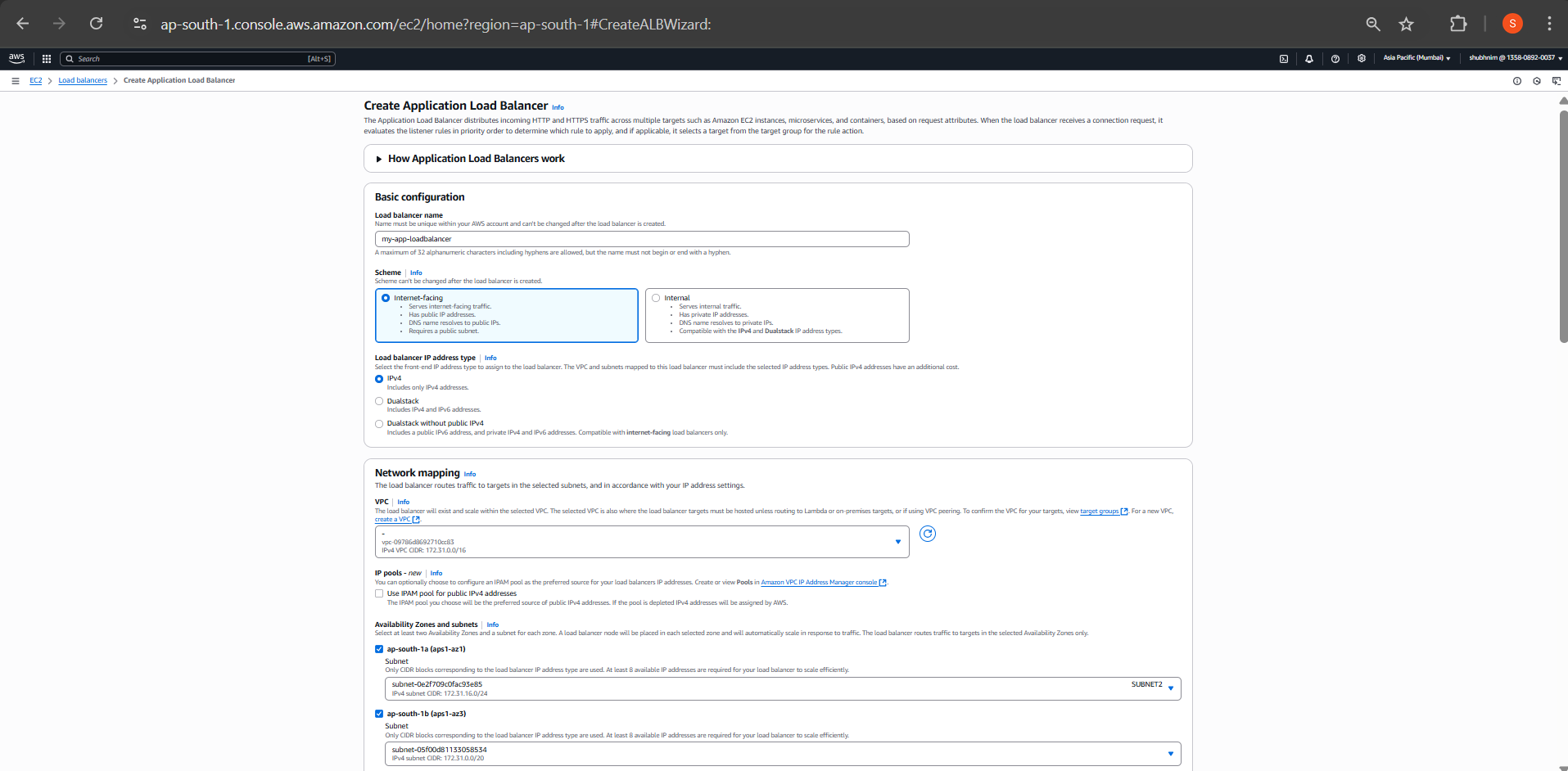


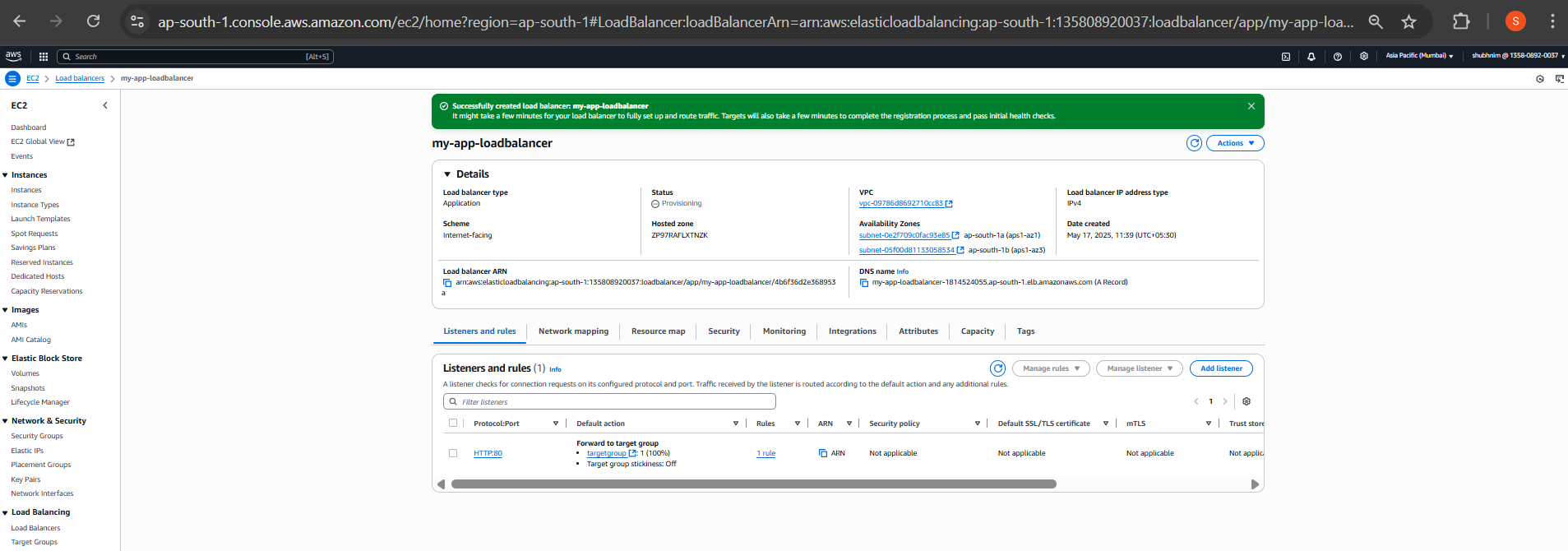


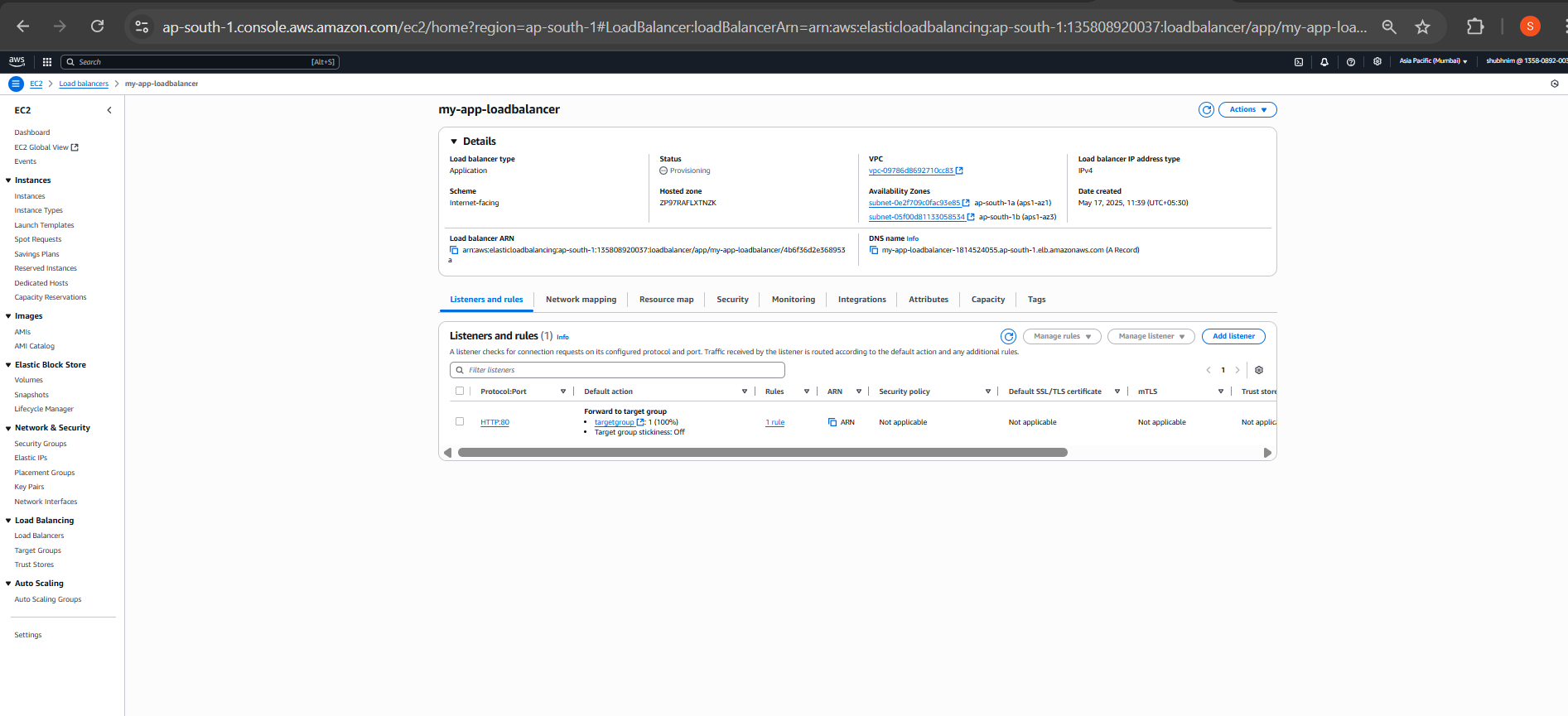


Load balancer:

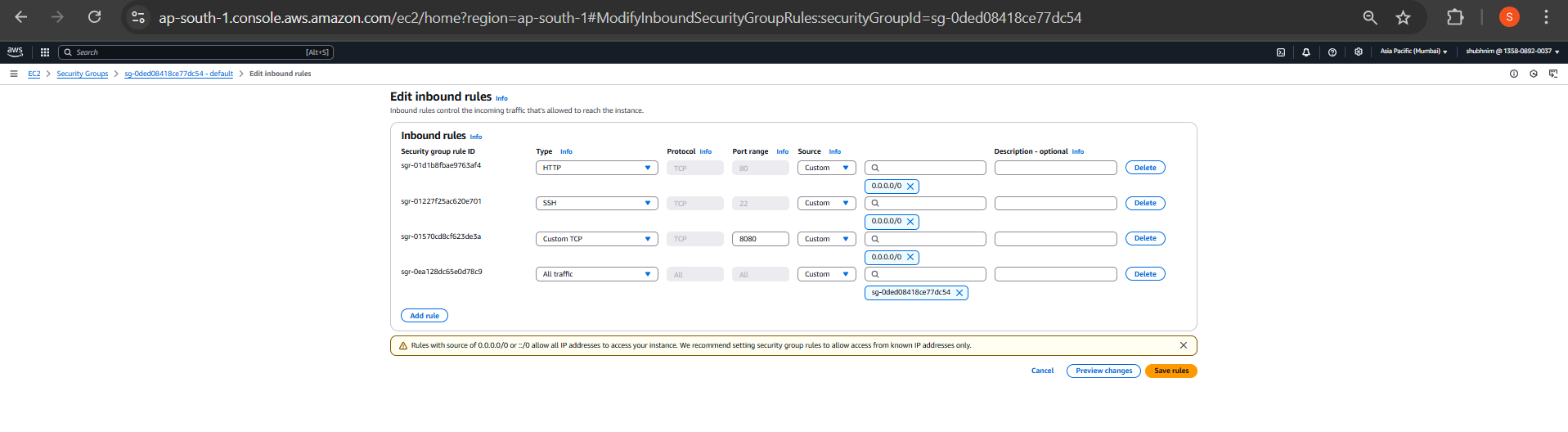




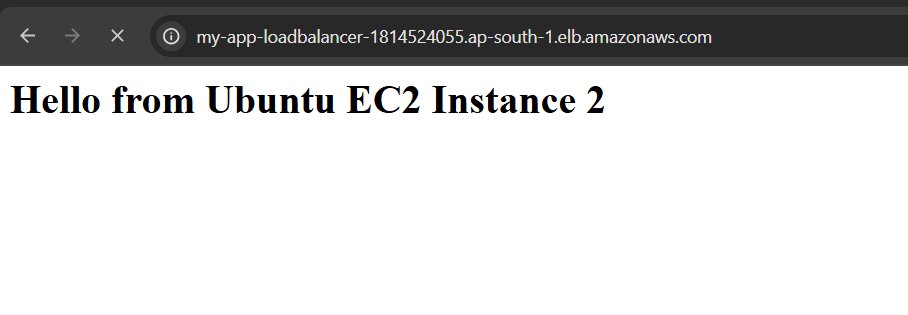


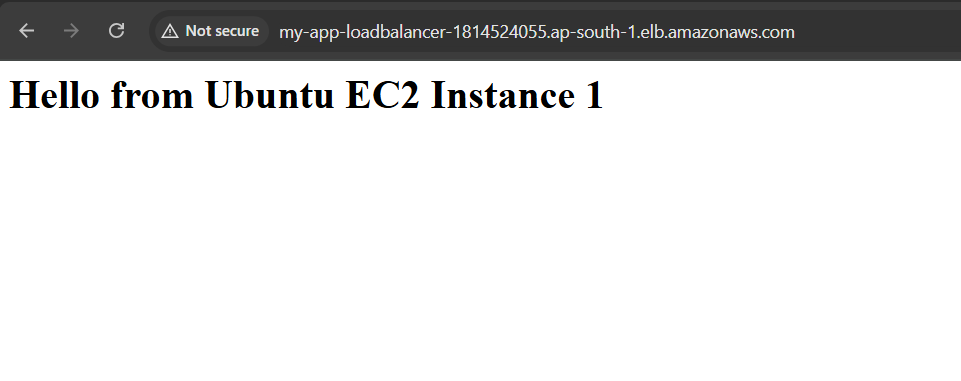


Security Groups for Load Balancer



LOAD BALANCER DNS TESTING:



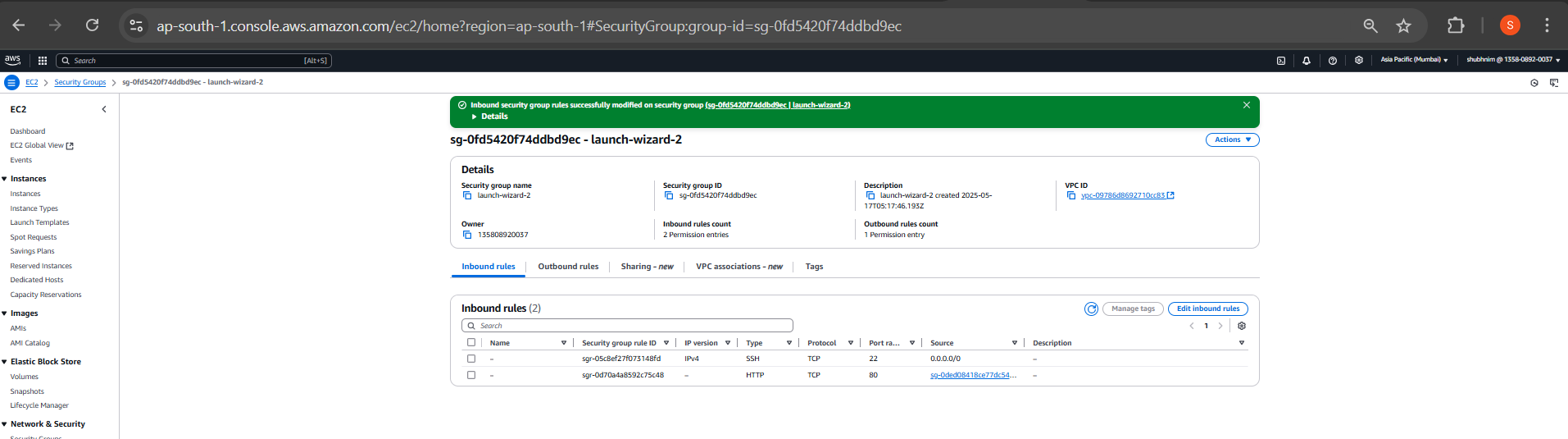


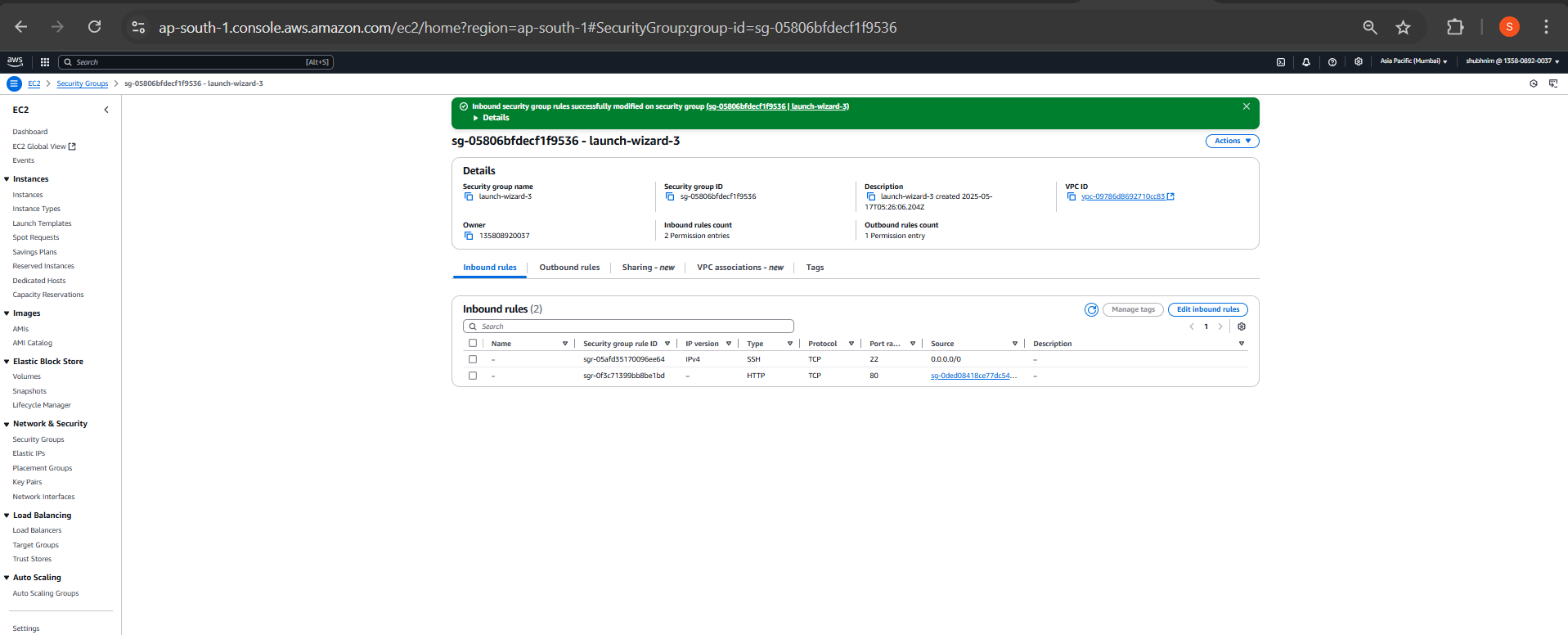
Ensure Traffic Origin is Load Balancer Only

**Modified EC2 Security Group**

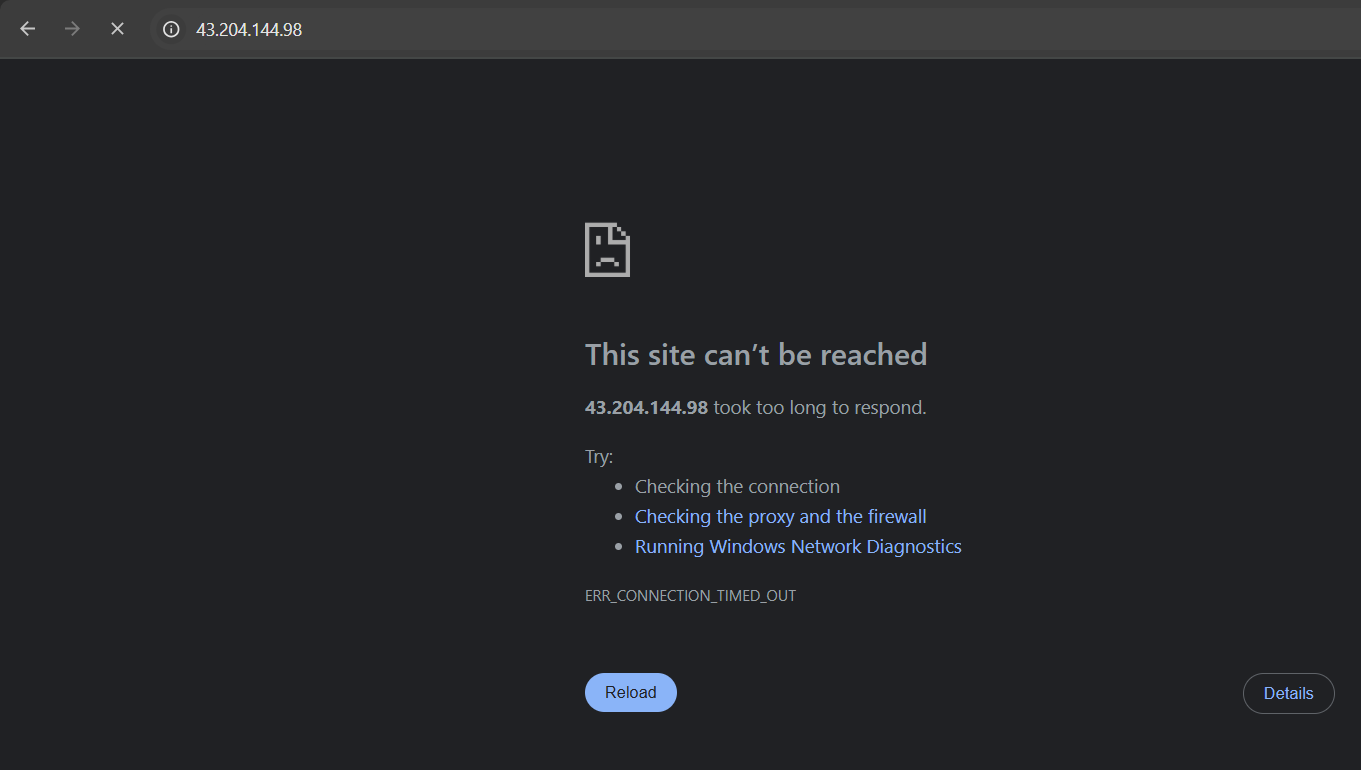
Removed "0.0.0.0/0" from HTTP access

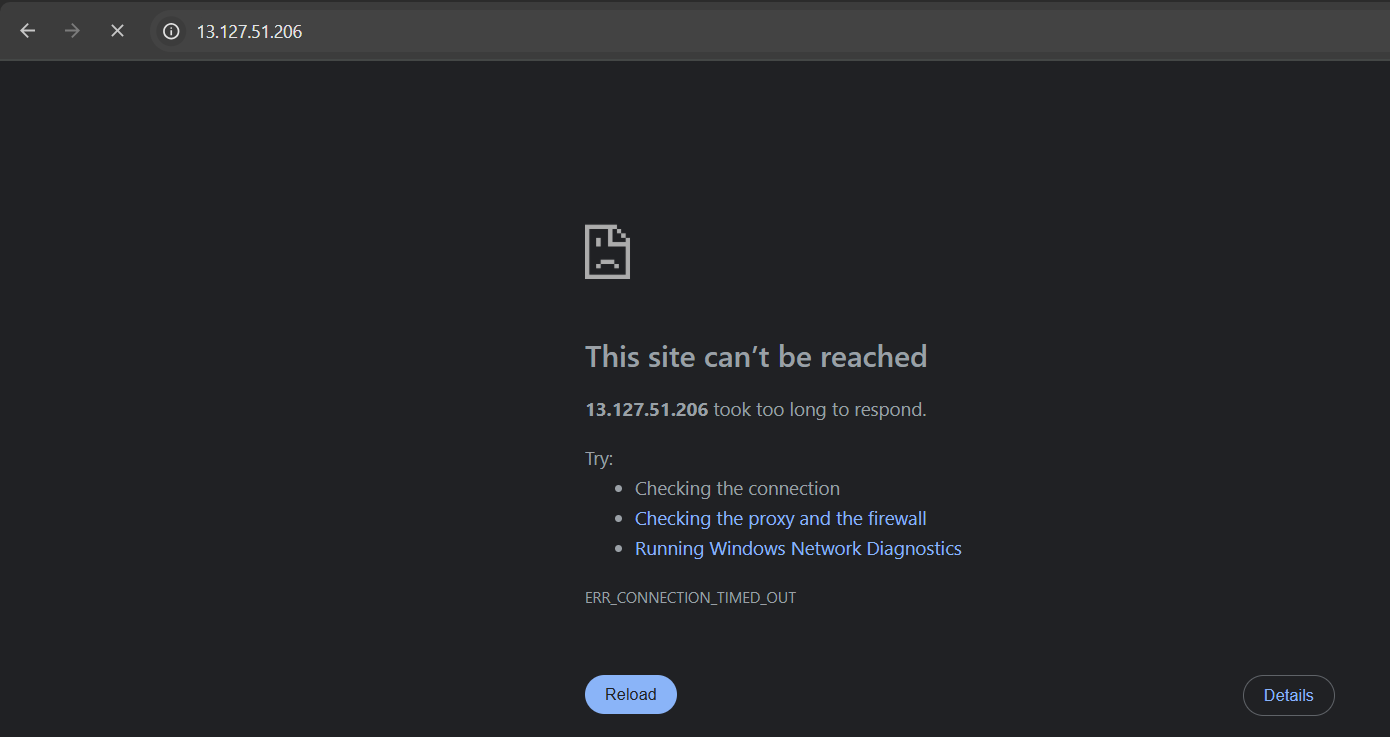
Add a new rule: HTTP from **Load Balancer Security Group -** [**sg-0ded08418ce77dc54**](https://ap-south-1.console.aws.amazon.com/ec2/home?region=ap-south-1#SecurityGroup:groupId=sg-0ded08418ce77dc54)





Noe trying to access the EC2’s **public IP** directly – its failing





Tried accessing the **Load Balancer DNS – working fine**



