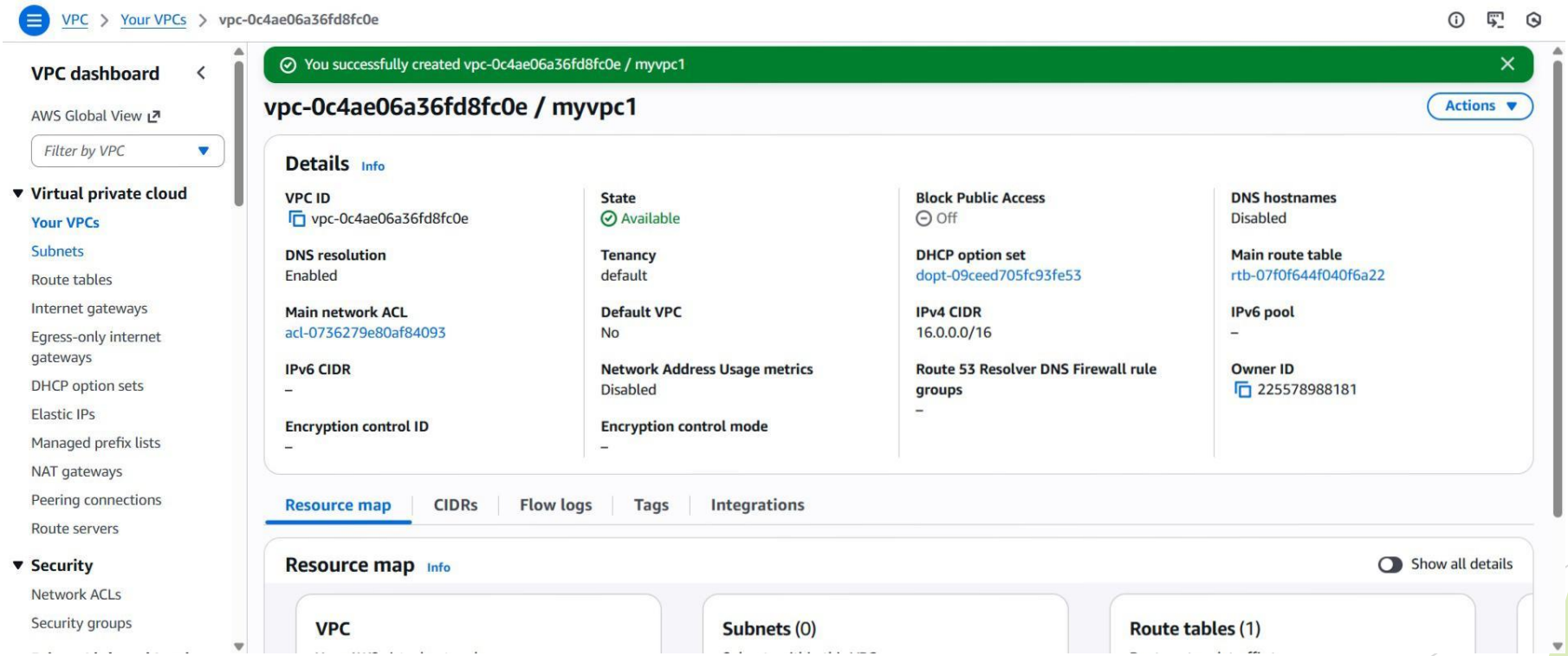
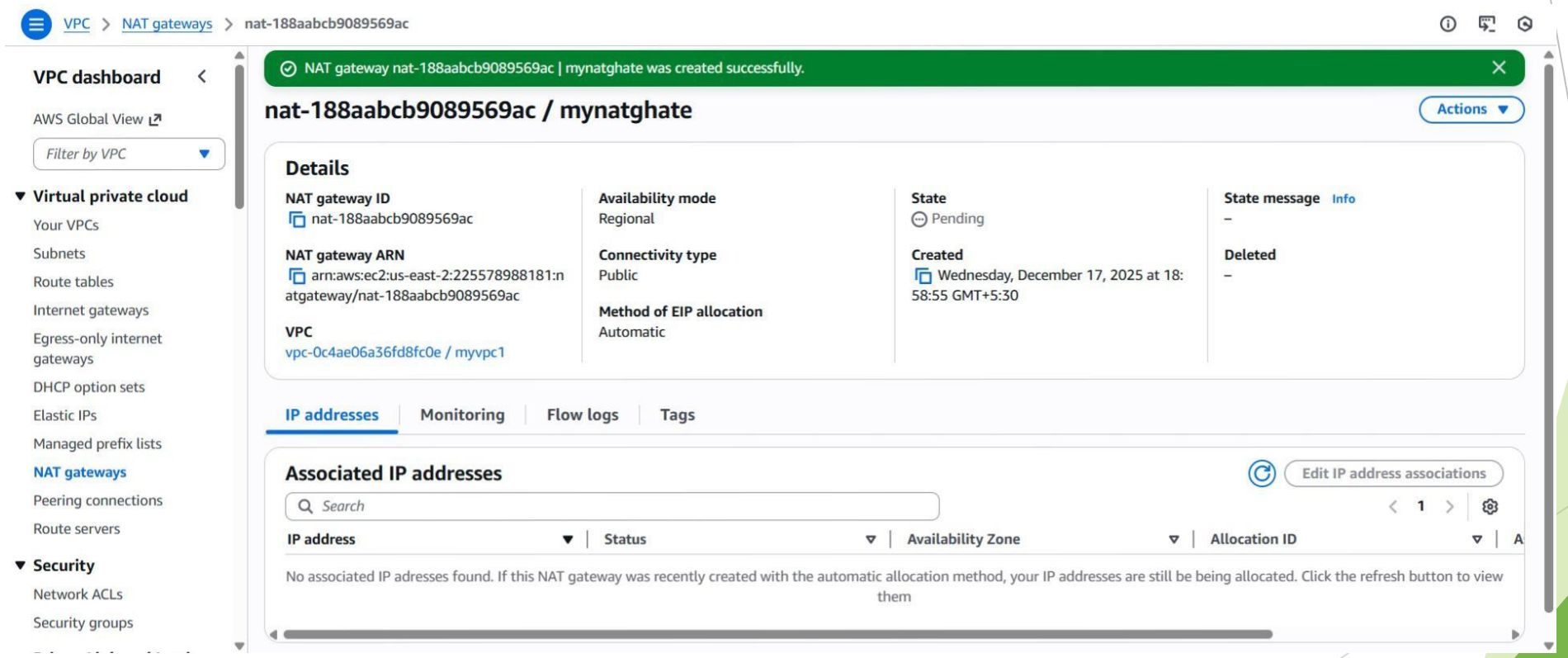
AWS & Cloud Computing Project

Project: 1
Virtual Private Cloud

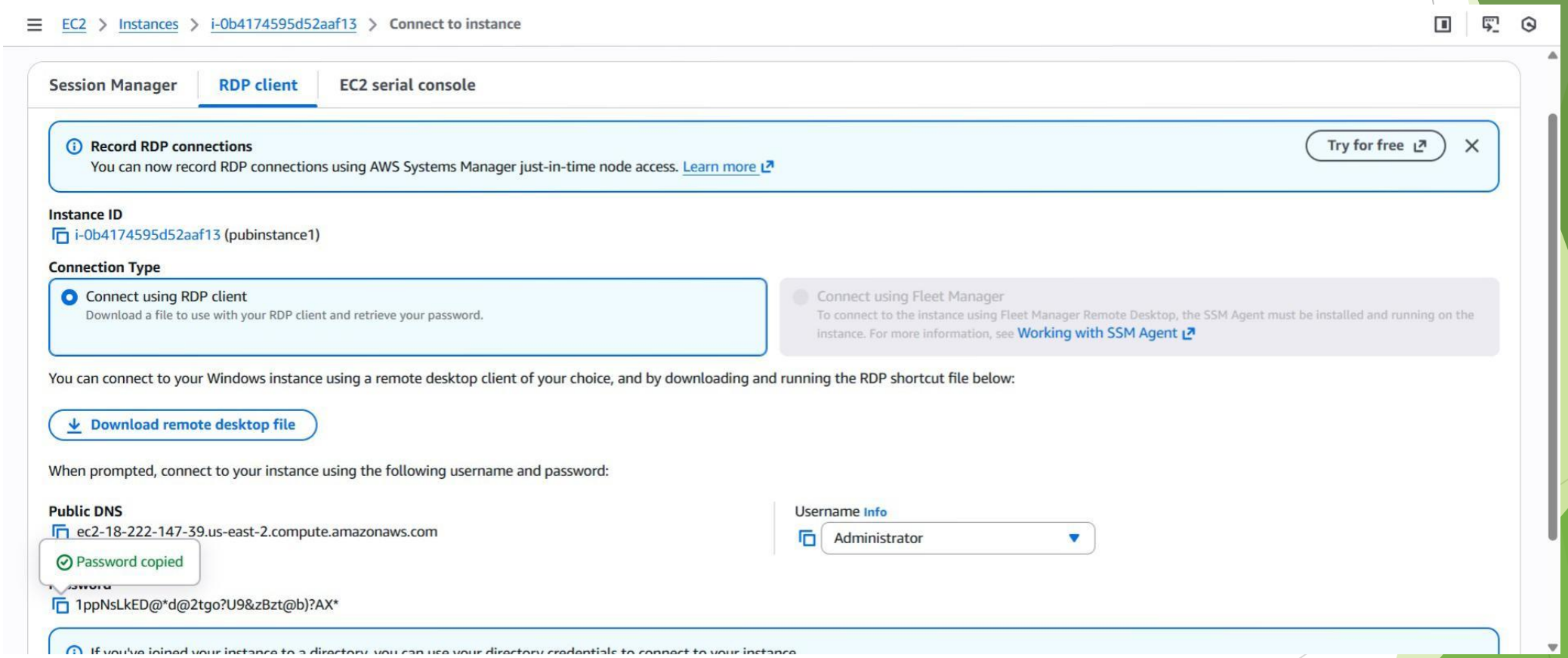
Create VPC with Public and Private Subnet and route table.



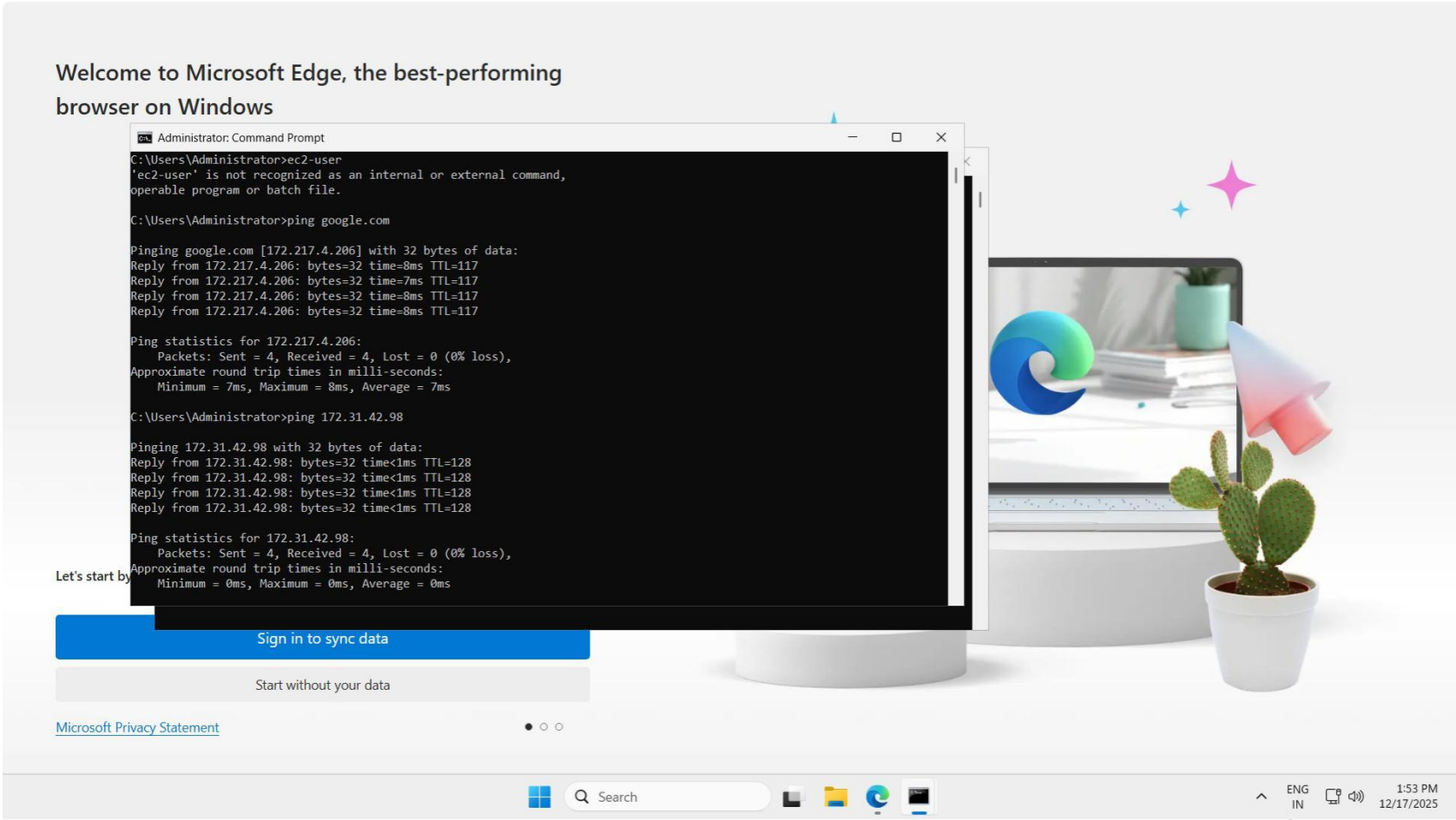
Then, Create internet gateway for public subnet and NAT Gate for private subnet. Connect the route table.



After create VPC create a public instance and connect the instance to RDP connect.



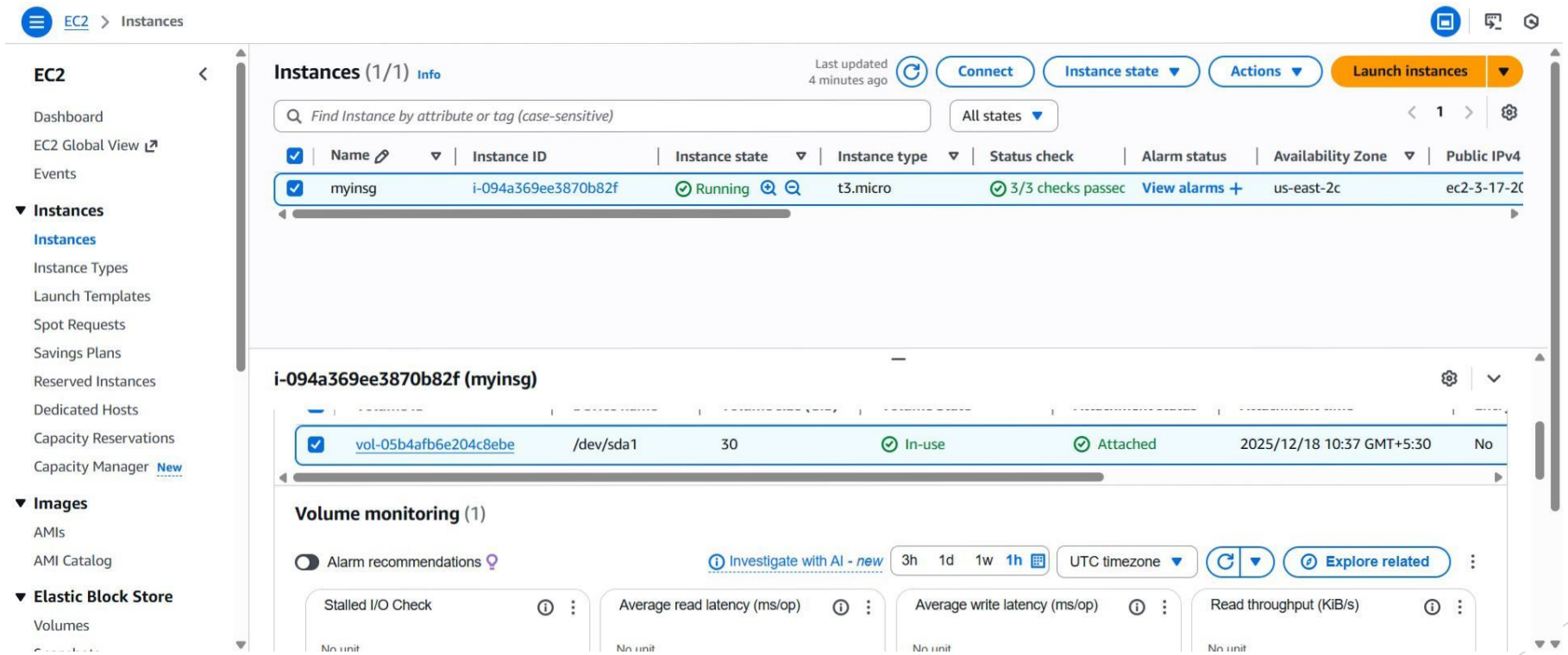
After connected to RDP check the internet connection for public and private subnets. Once network is running our VPC done .
Finall output both connections are running.



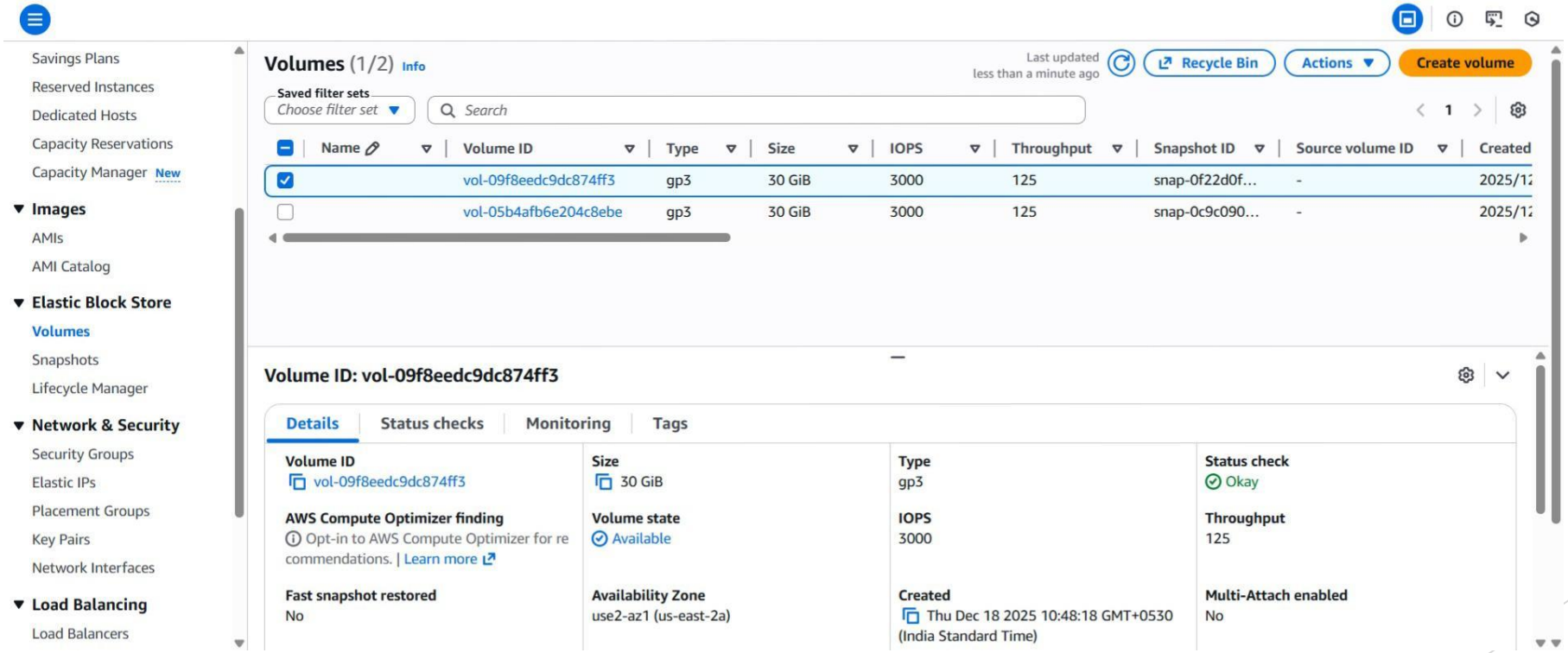
Project : 2

- EC2 backup using snapshot and IAM

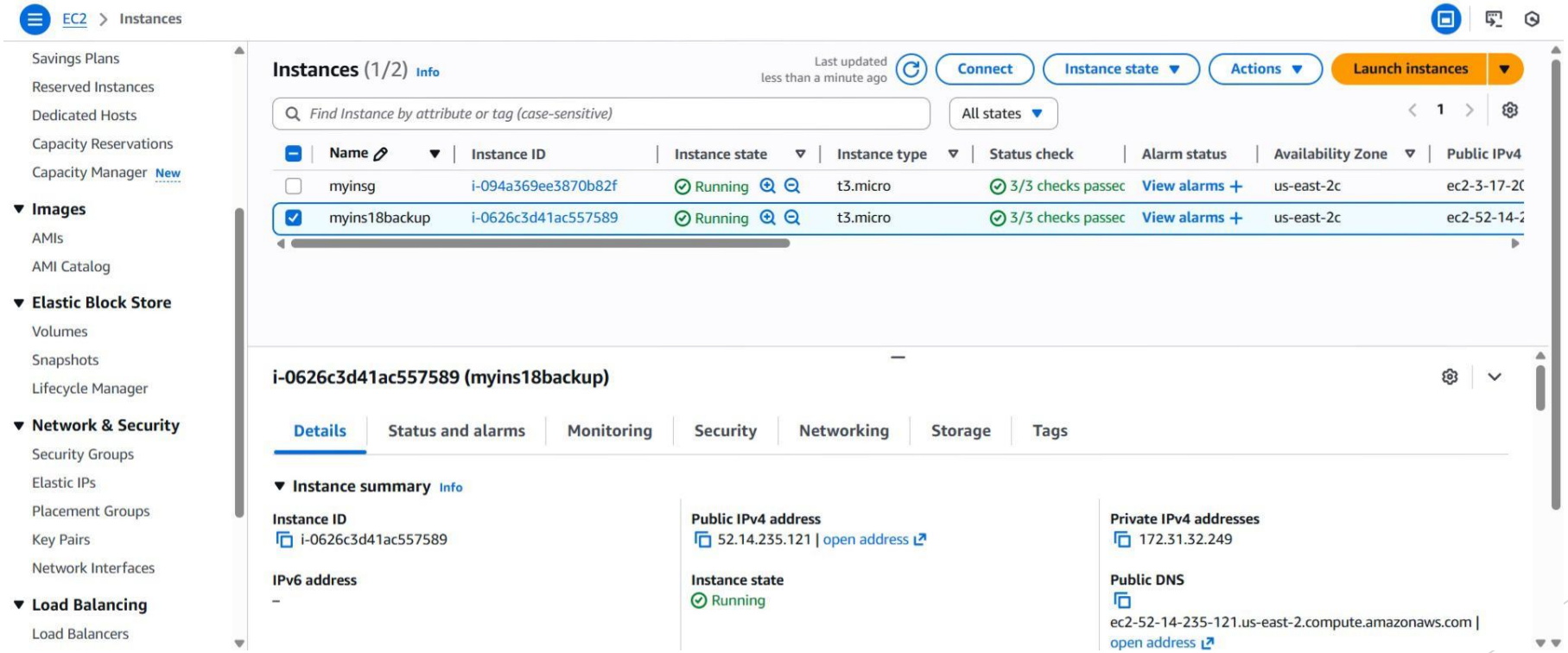
First create Instance



Then, create snapshot for instance and create column for snapshot. Then attach the column to instance. If the volumn is deleted automatically backup volumn.



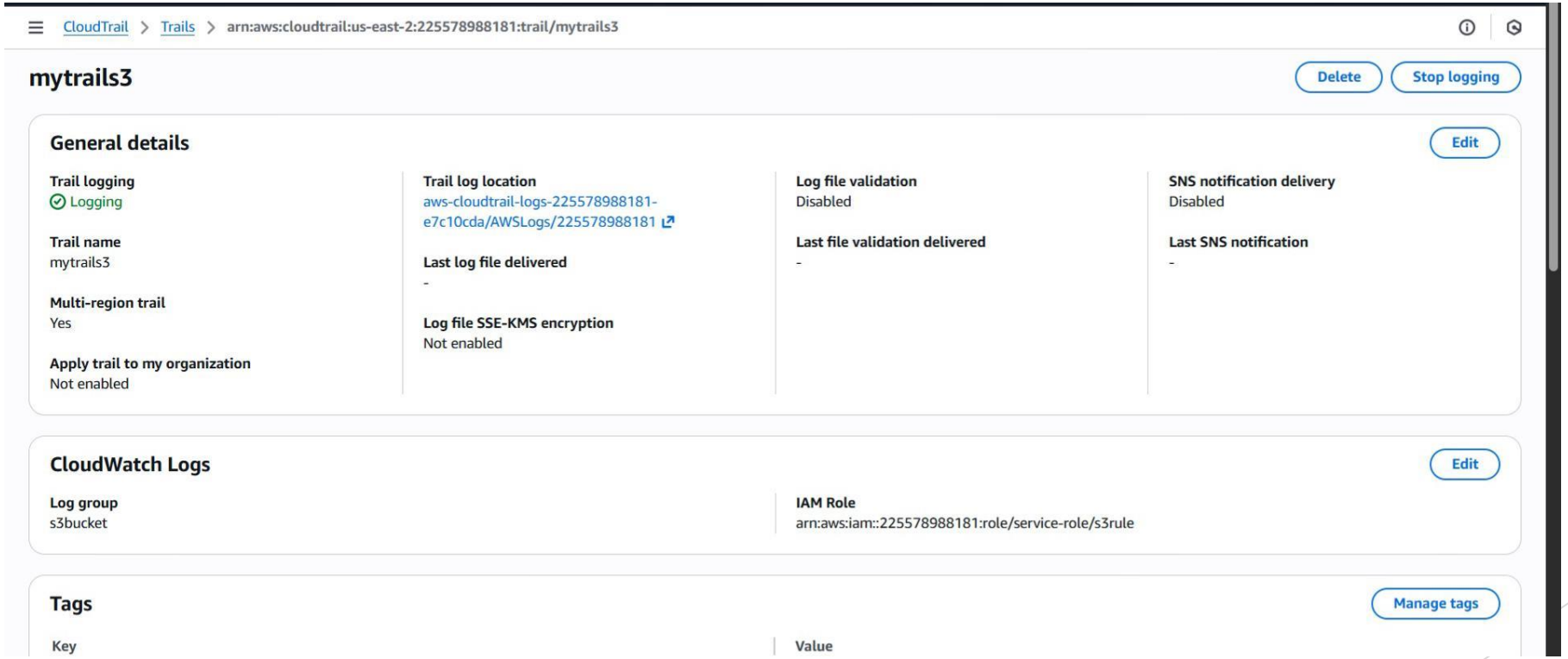
- Next we create a backup for whole instance using IAM.
  Create IAM for instance backup. If the instance delete them automatically backup the whole instance.



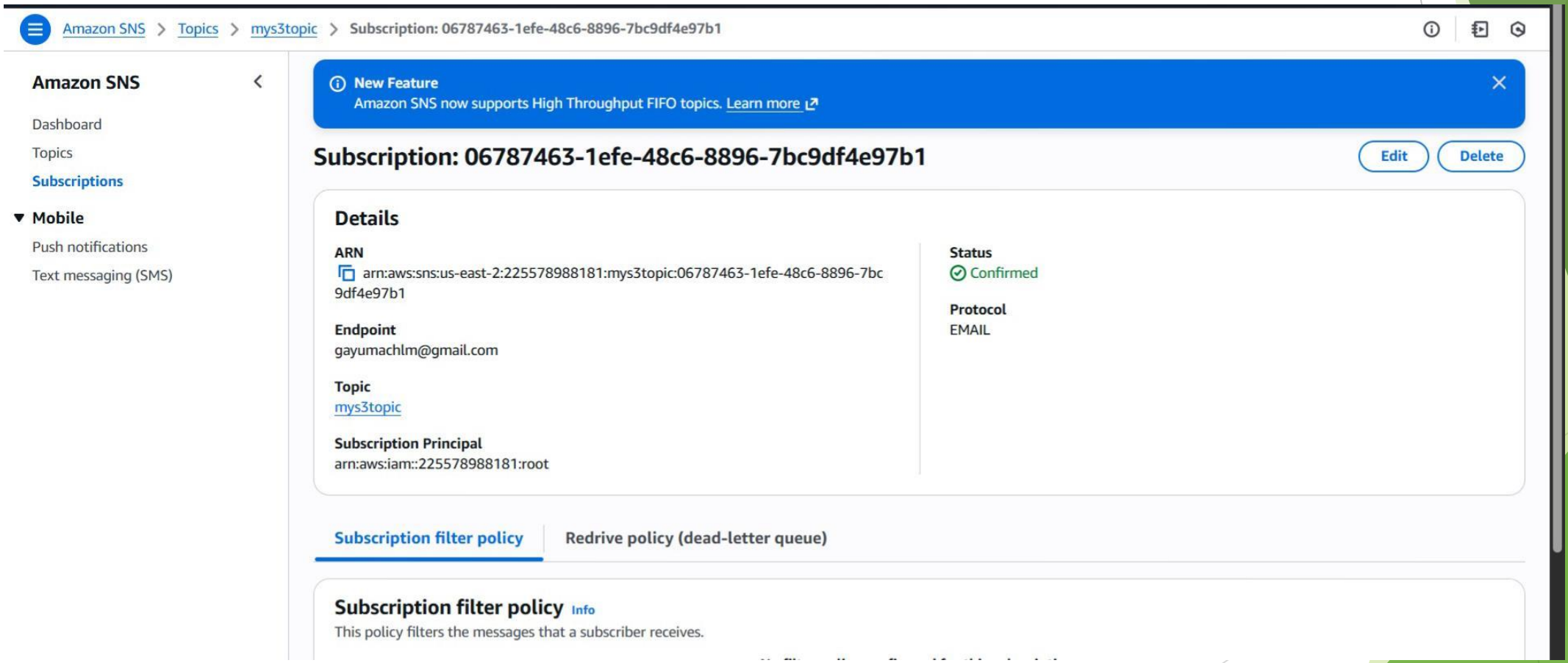
Project 3: Motoring Service

- Set Alarm for S3 bucket using Cloudwatch

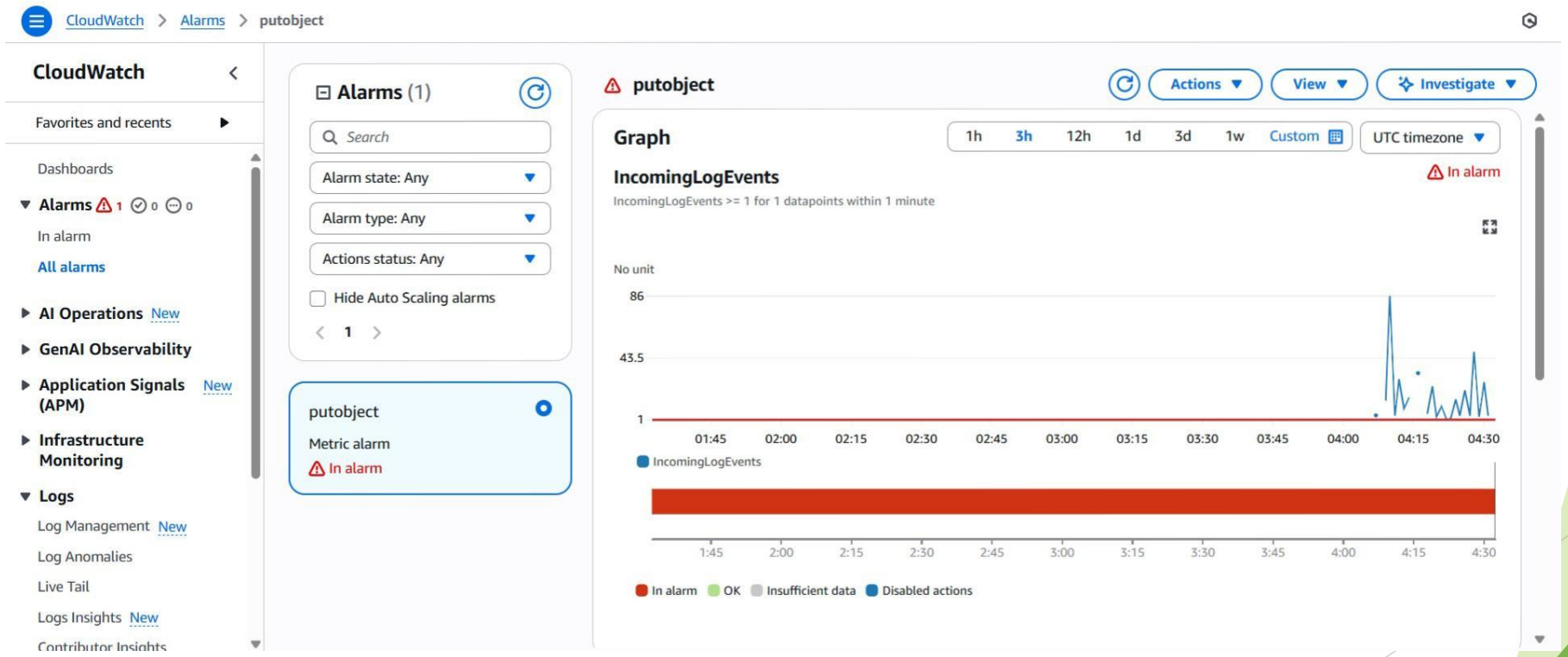
- First we create s3 bucket.
  Next create loggroup for putobject on s3 bucket using cloudwatch.
  Then create cloudtrail for that loggroub.



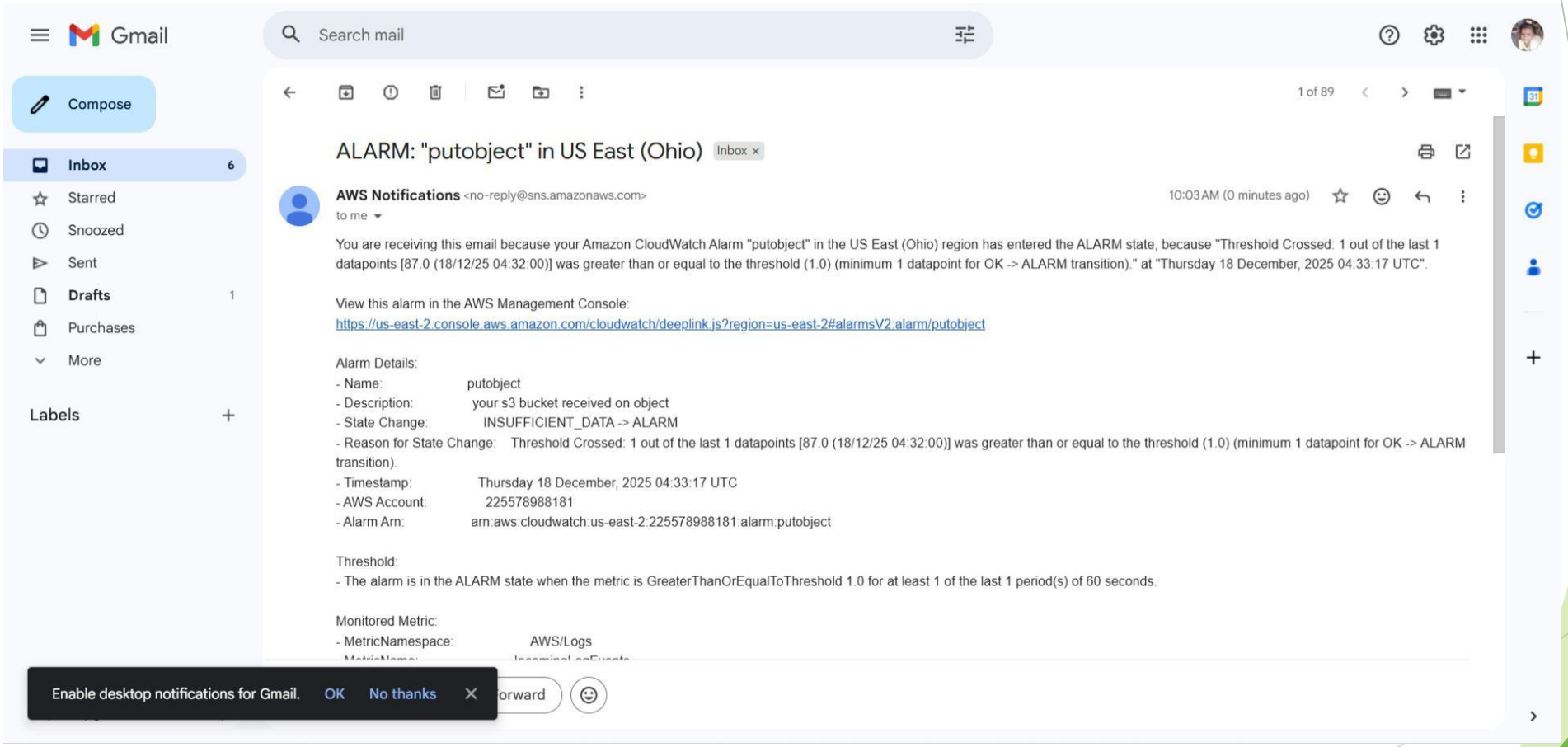
- Next set Cloudwatch alarm for putobject on s3 bucket. Create topic and subscribe the notification Receive.



- Next select the metrics filter in Cloudwatch. Then put the object on s3 bucket. Once the Cloudwatch graph is cross the limit we received the notification mail.



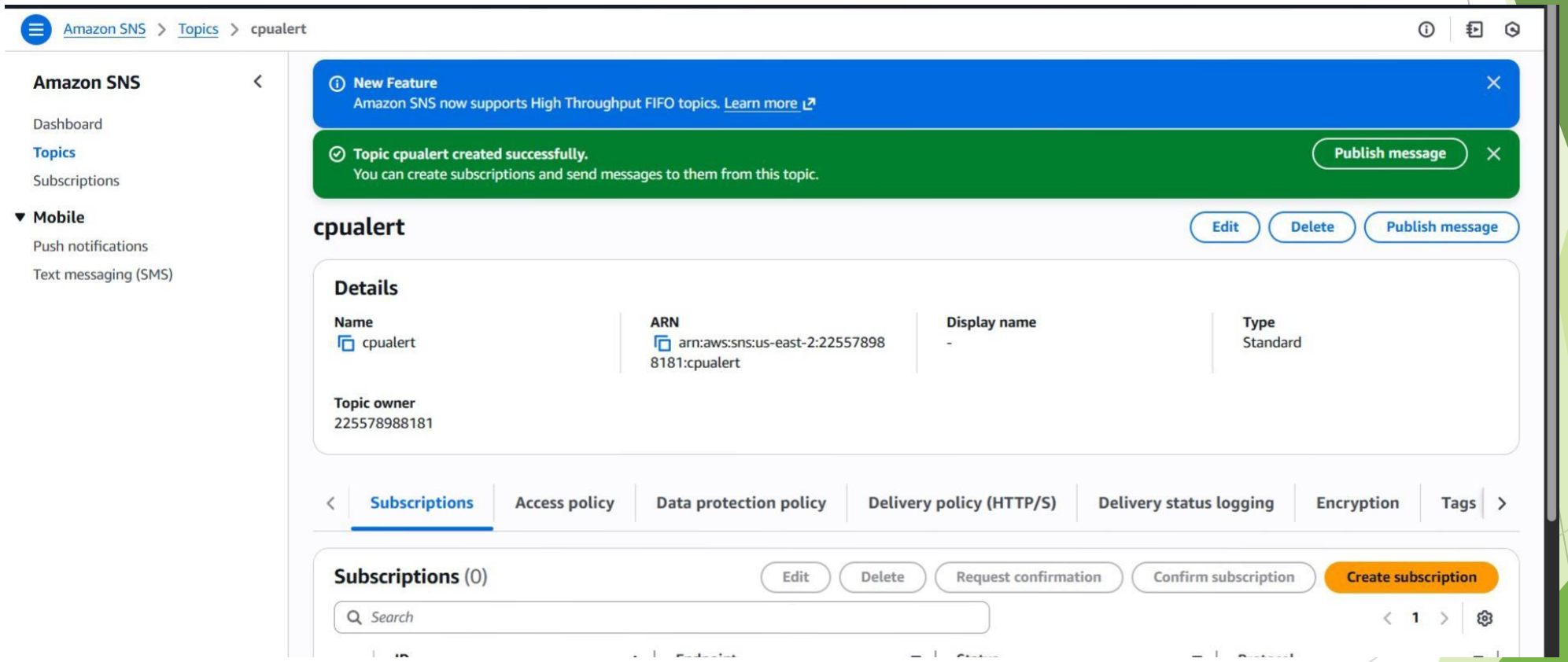
- Finally the mail is received to our given mail id.



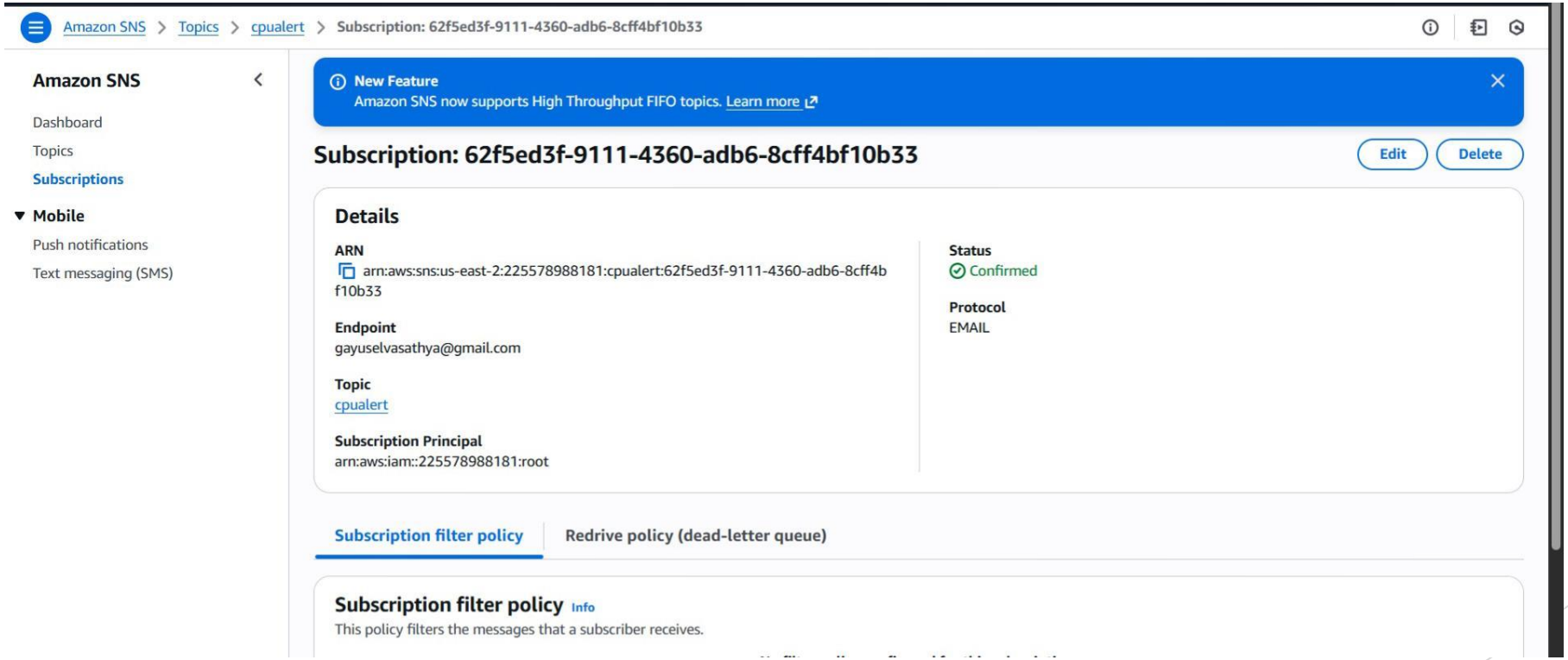
Project 4: Notification Services

- Simple Notification Service(SNS)
- Set Notification for cpu utilisation alert

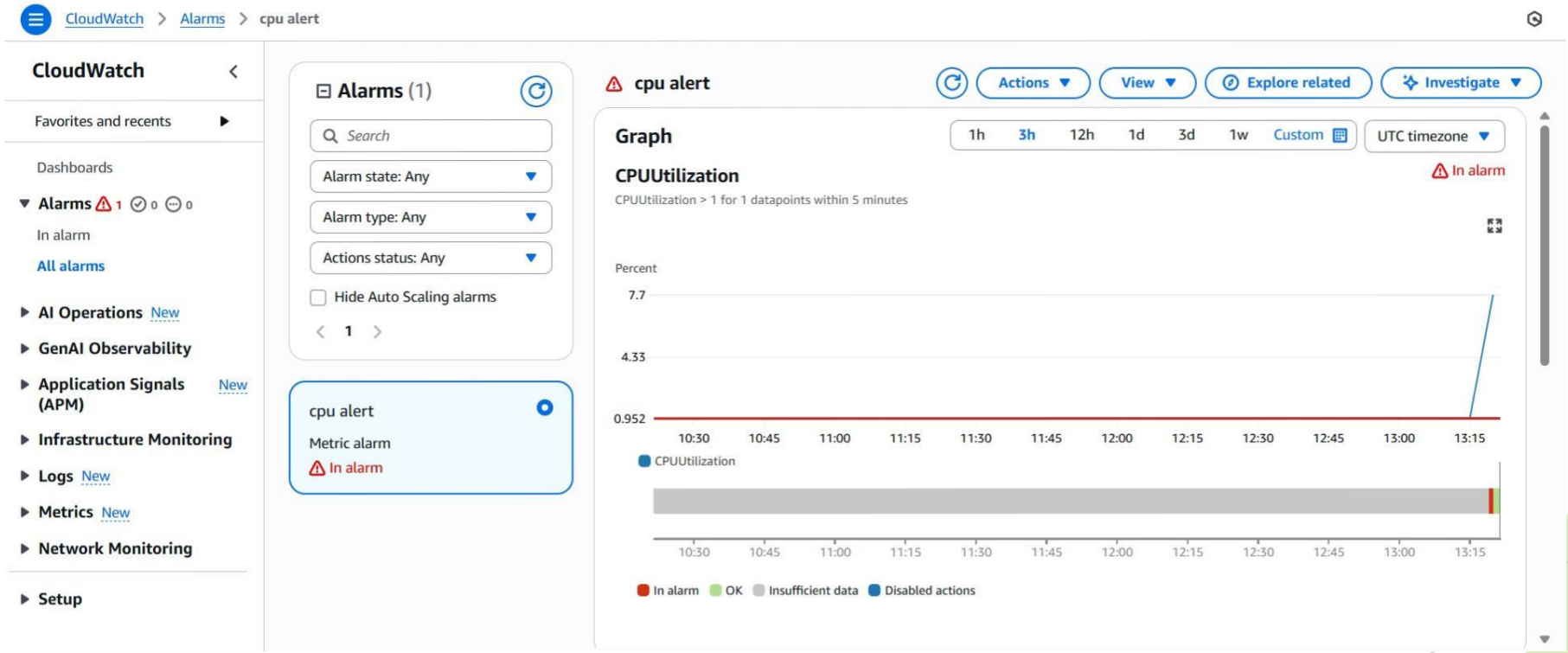
- Open SNS, then create topic for cpu utilisation.



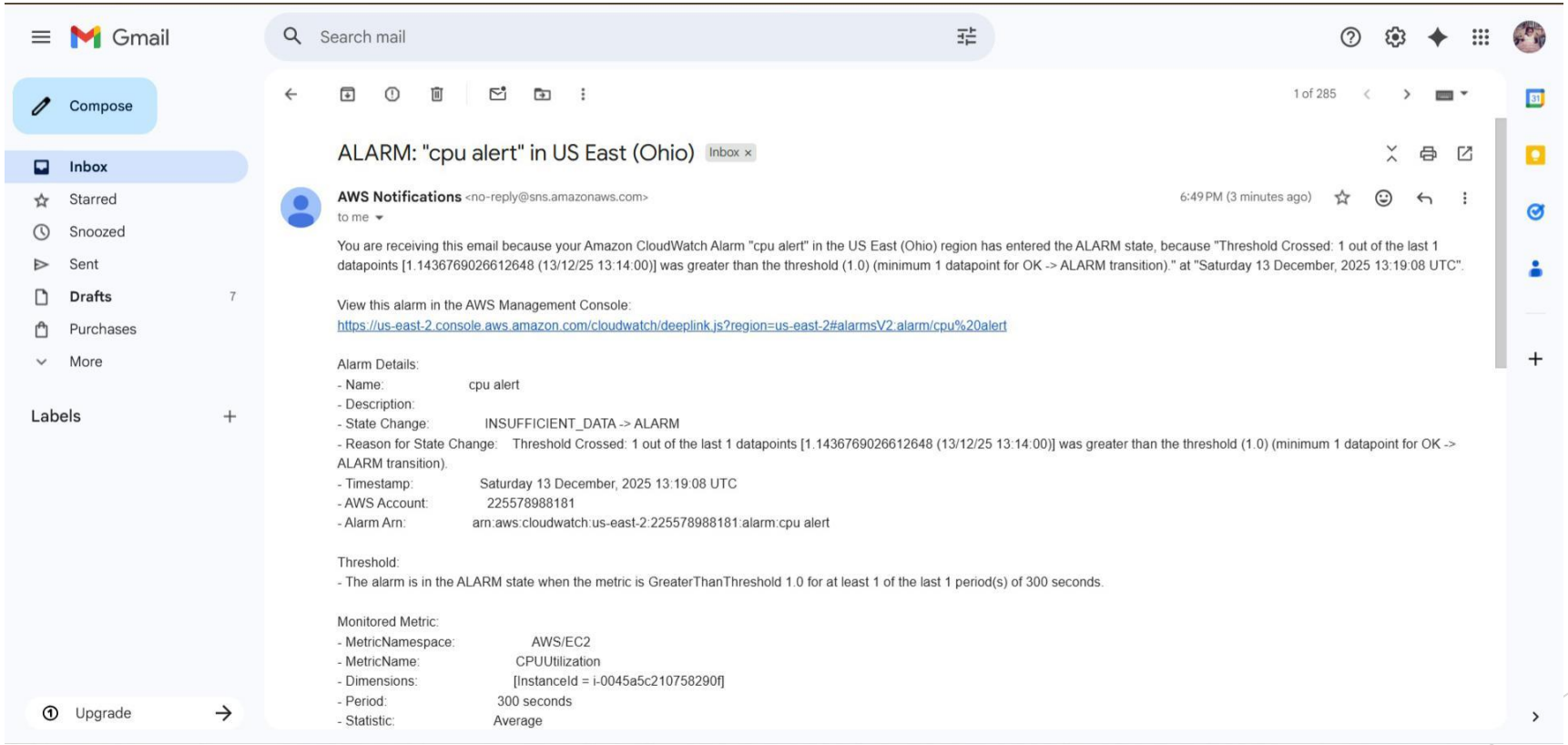
- Then create subscription for alert and confirm subscribtion.



- Once the CPU utilisation is cross the limit, the graph will cross the line and alarm status change to In-alarm.

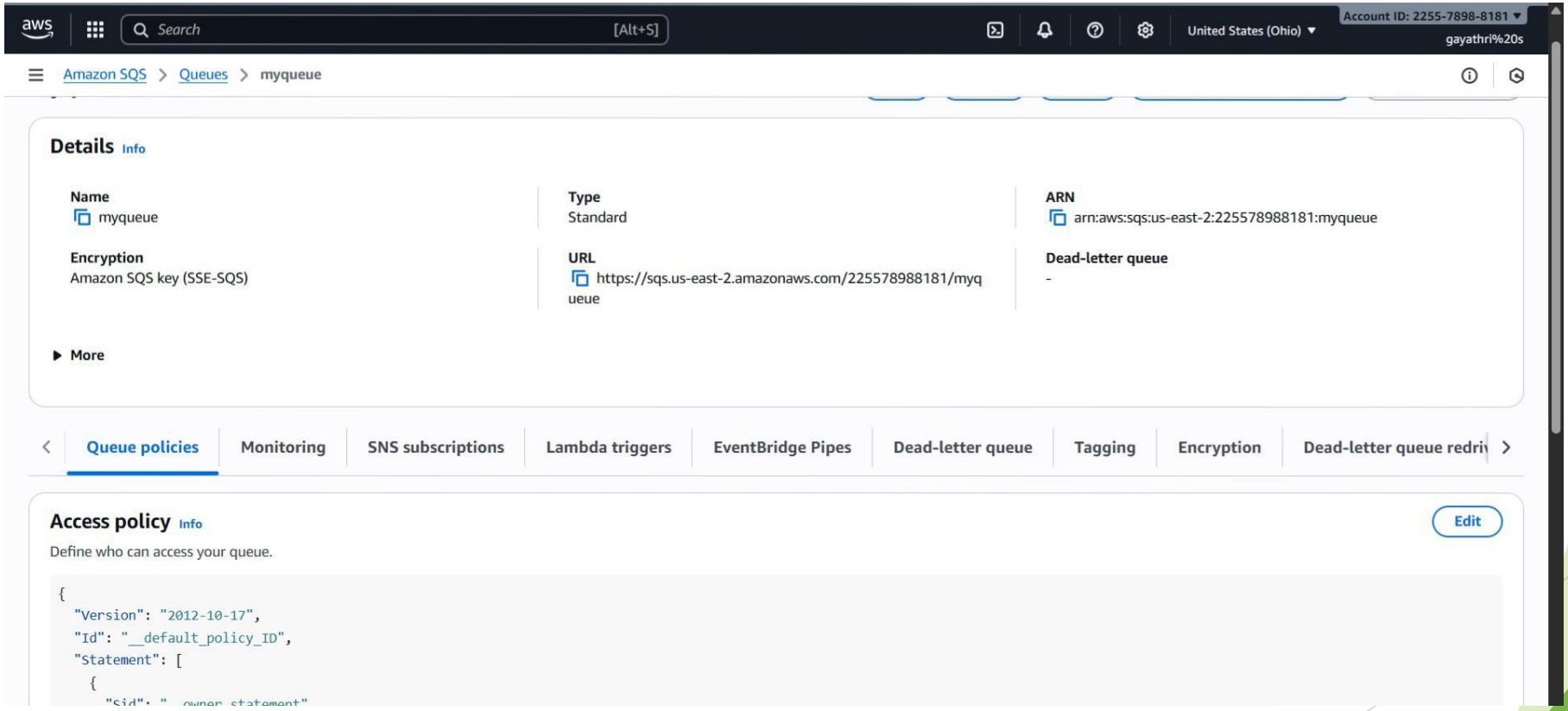


- Then, we received the alert mail to our given mail id.

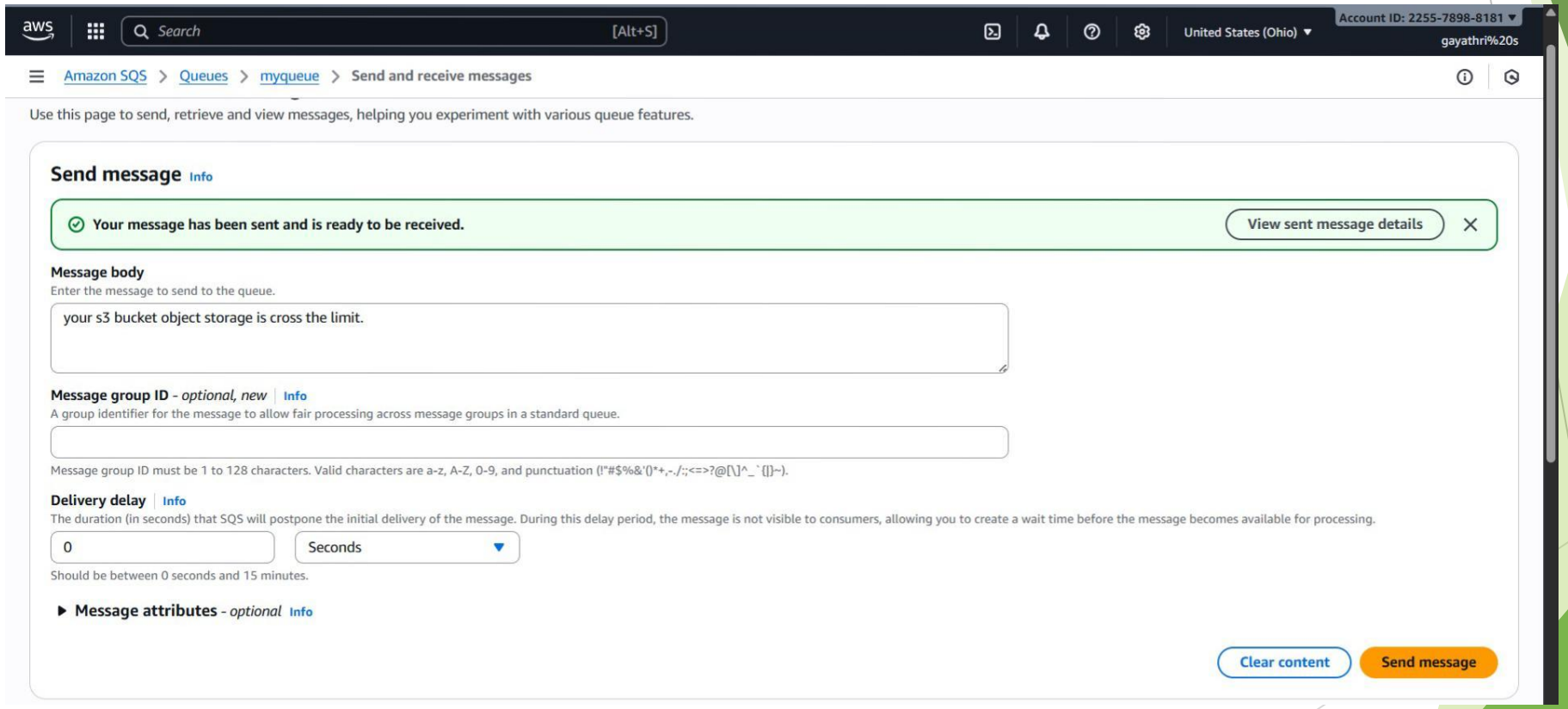


- Simple Queue Service(SQS)

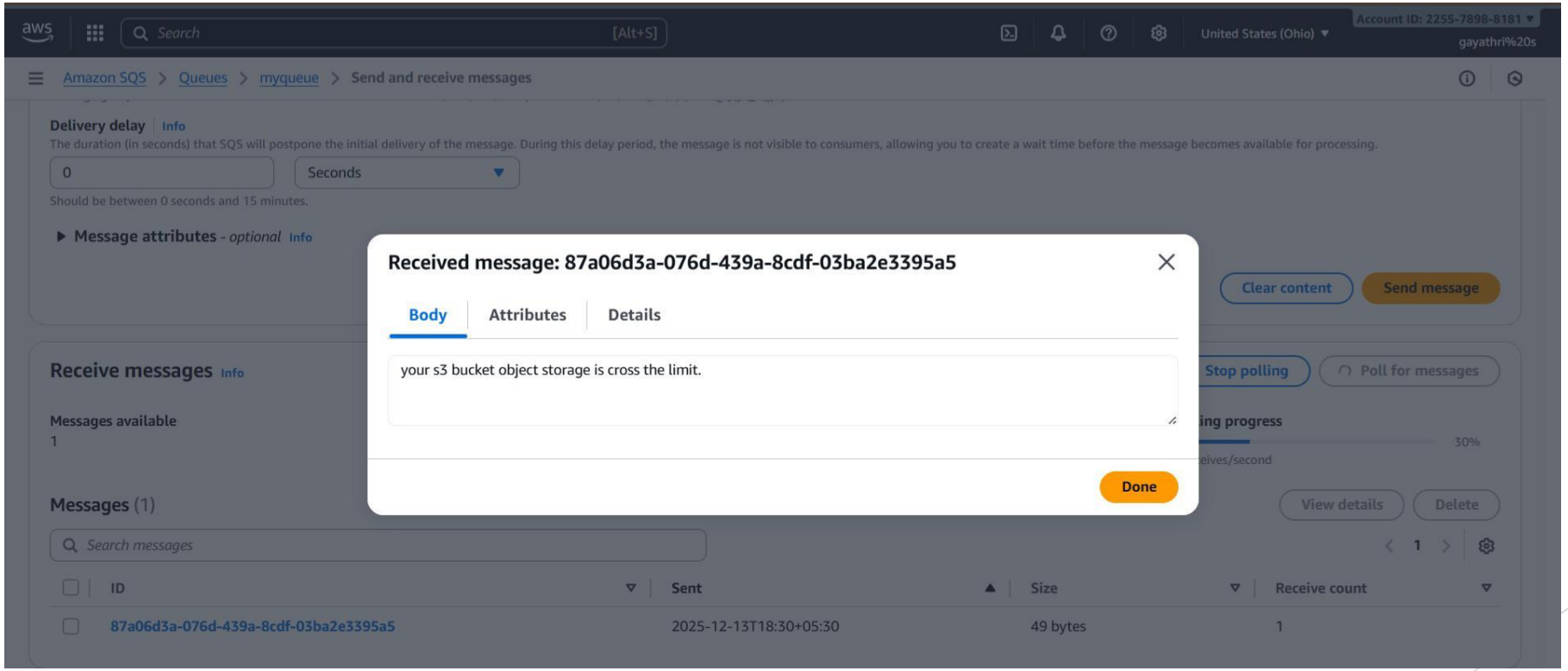
- Create SQS for message. This message is received to customer, the customer view the message when we have time.



- Set message in send message column.
  Type the message what receive to client.



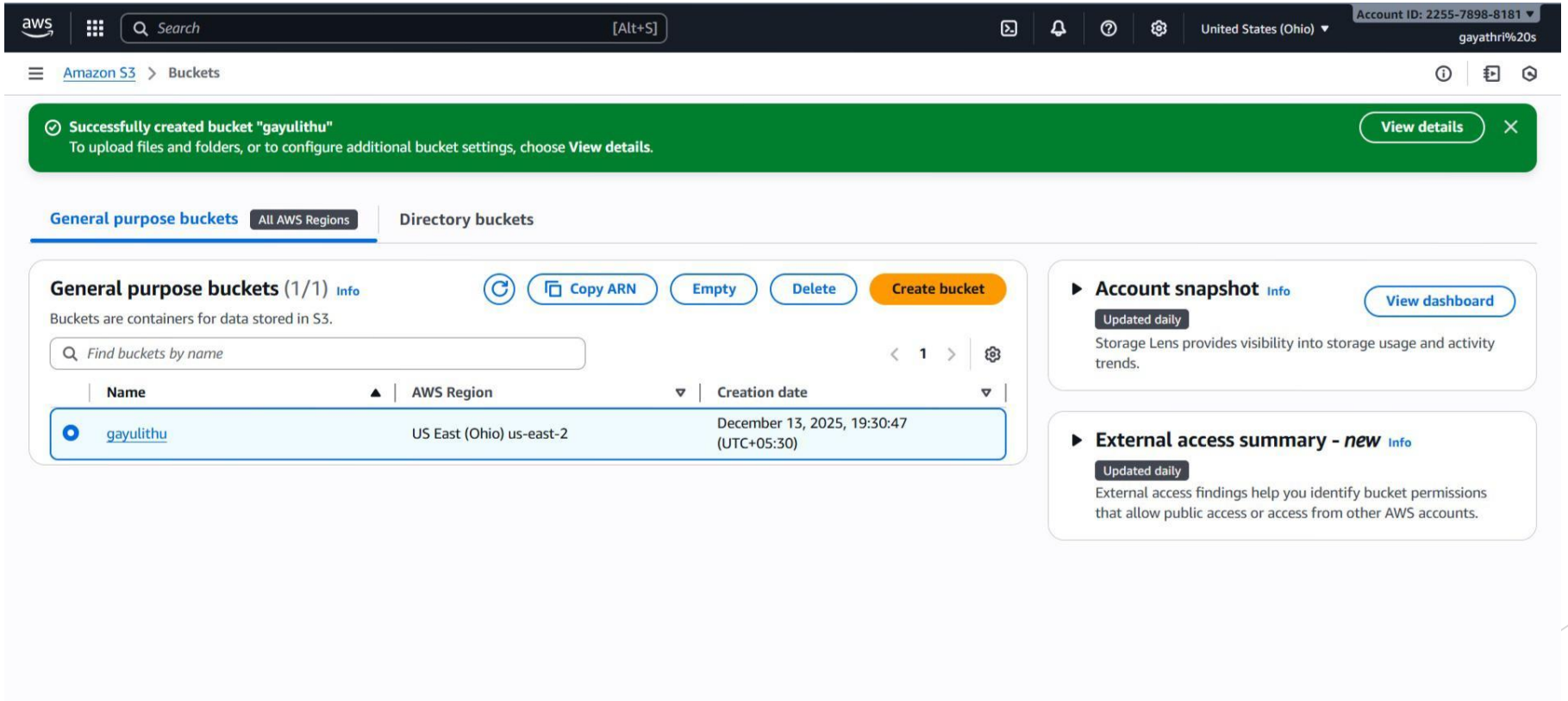
- When we have time click the poll for messages , the message will be show for 30sec. The message will disappear after 30sec. Again we want to read again click the poll for messages.



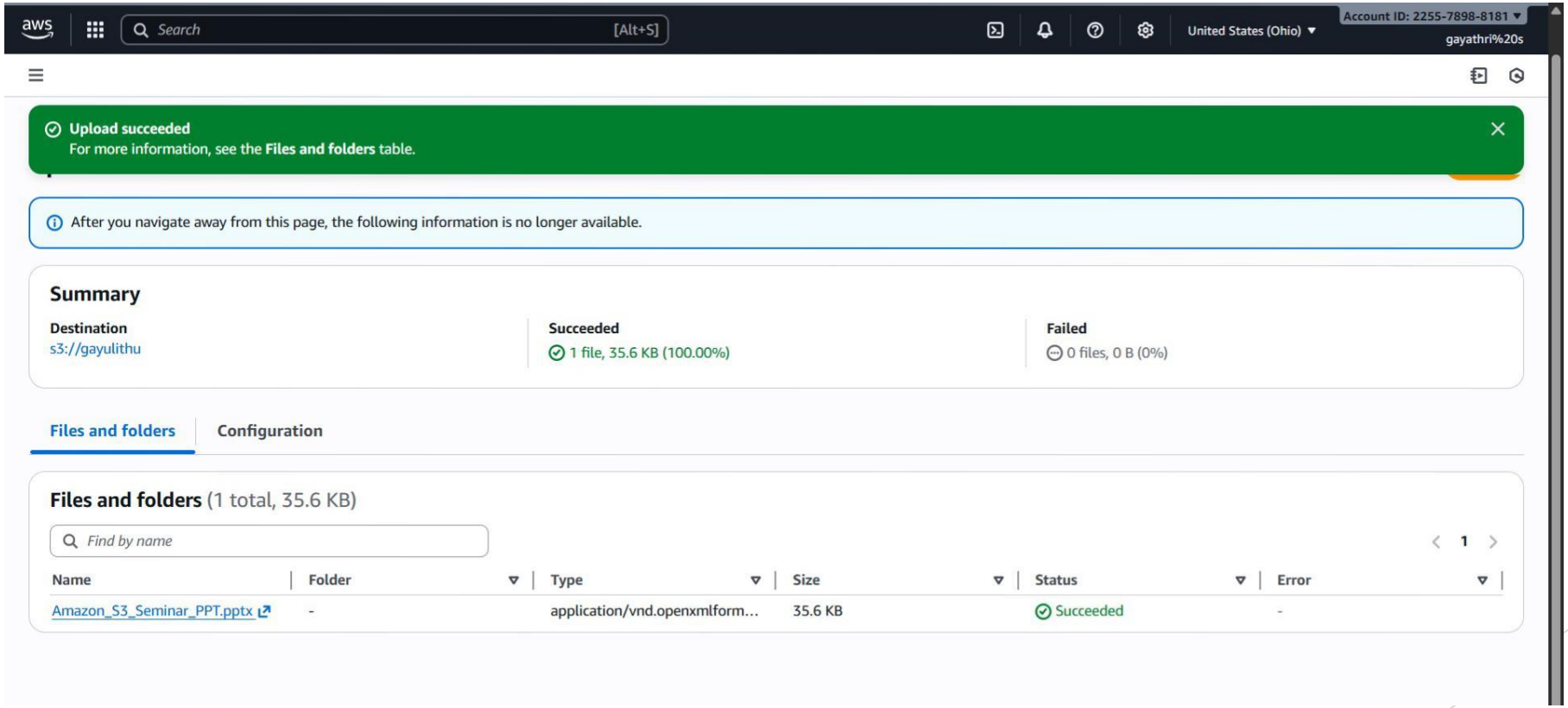
Project : 5

- Storage Service(S3 Bucket)

- Create ah S3 bucket with Unique Name and ACL enable with public access.



- Then, Upload any object in bucket (like images,songs,videos etc..) I upload the resume document. Give grand permission for object. For use of we access anywhere.



- Then open the upload page copy the URL for the object. Paste in new browser the file will be download to our device.