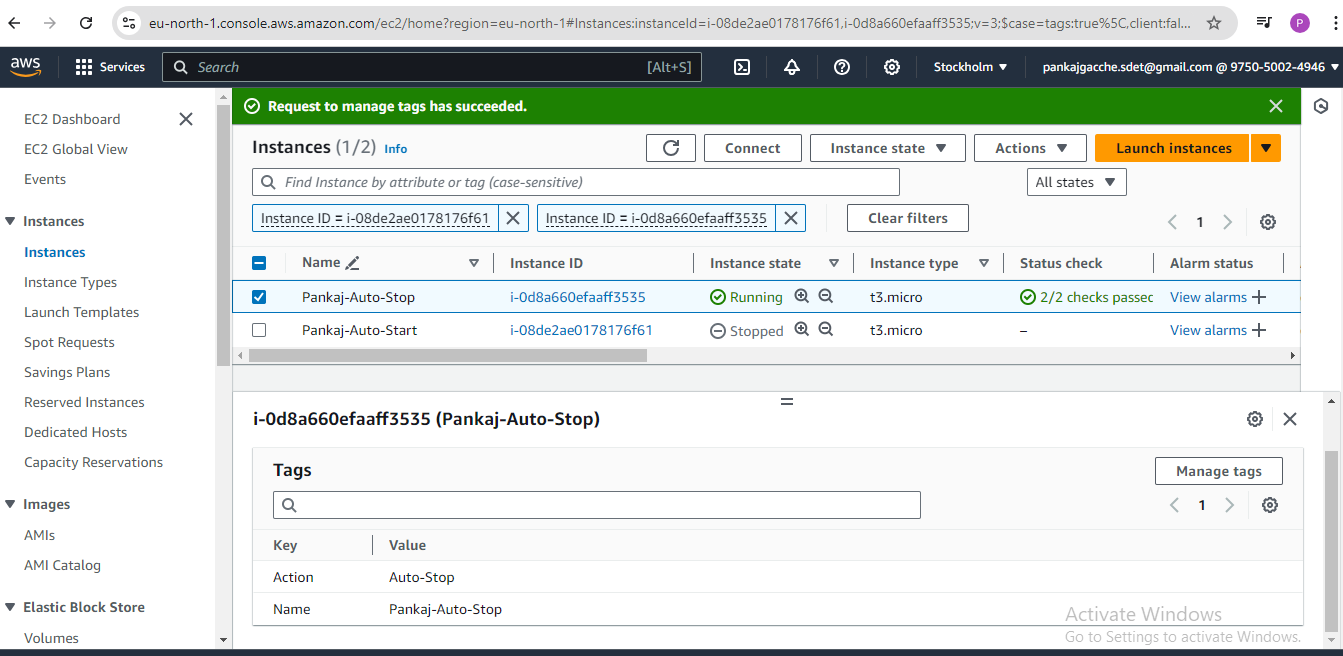
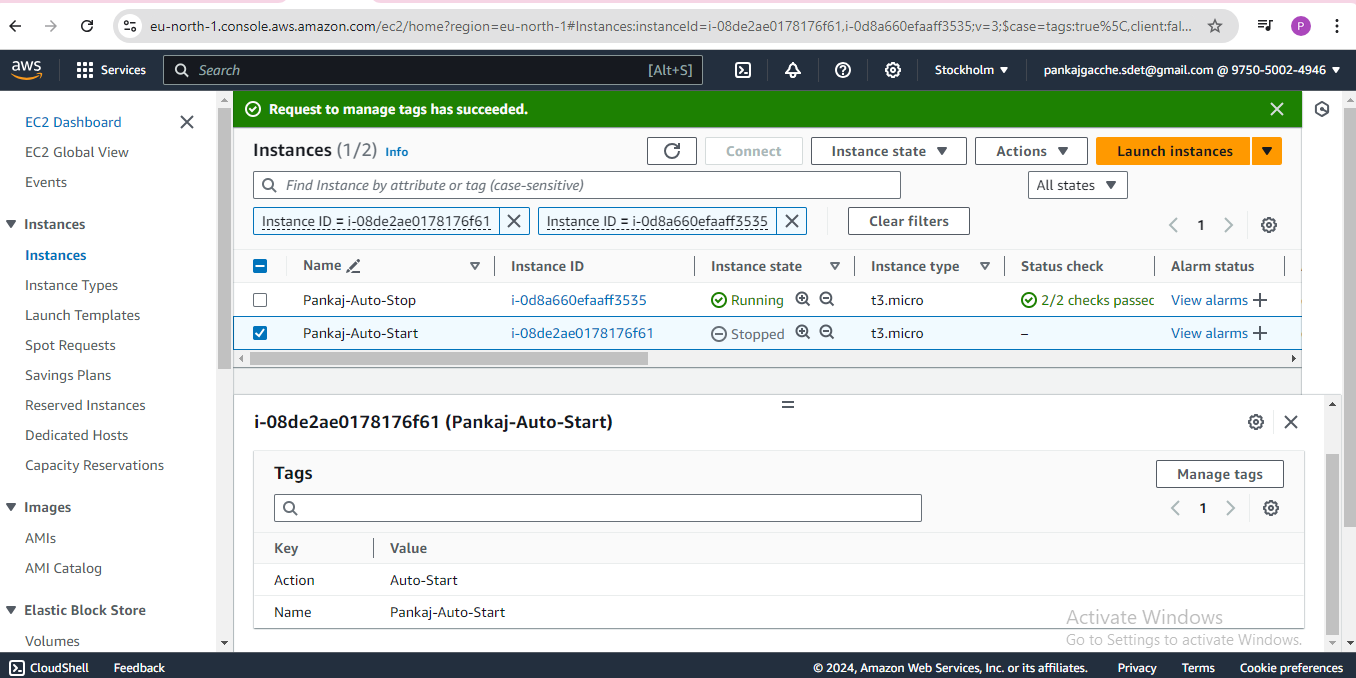
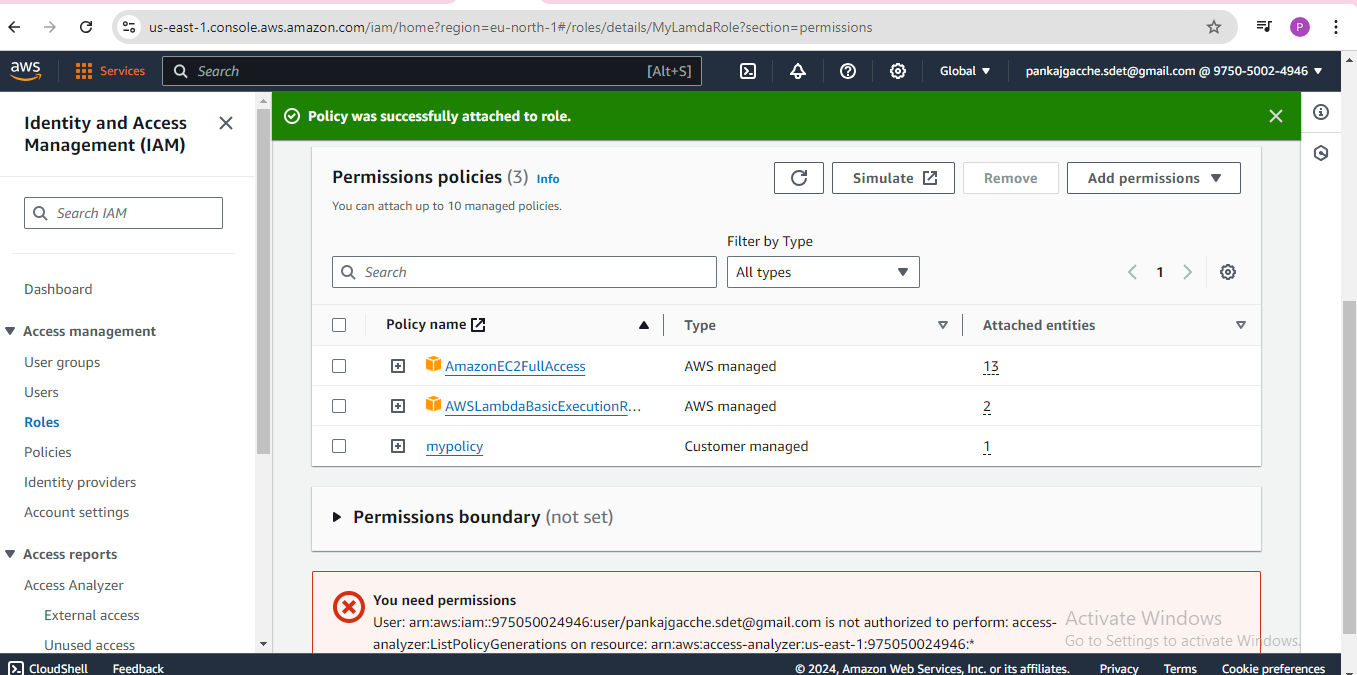
**Assignment 1: Automated Instance Management Using AWS Lambda and Boto3**

Create two EC2 instances:

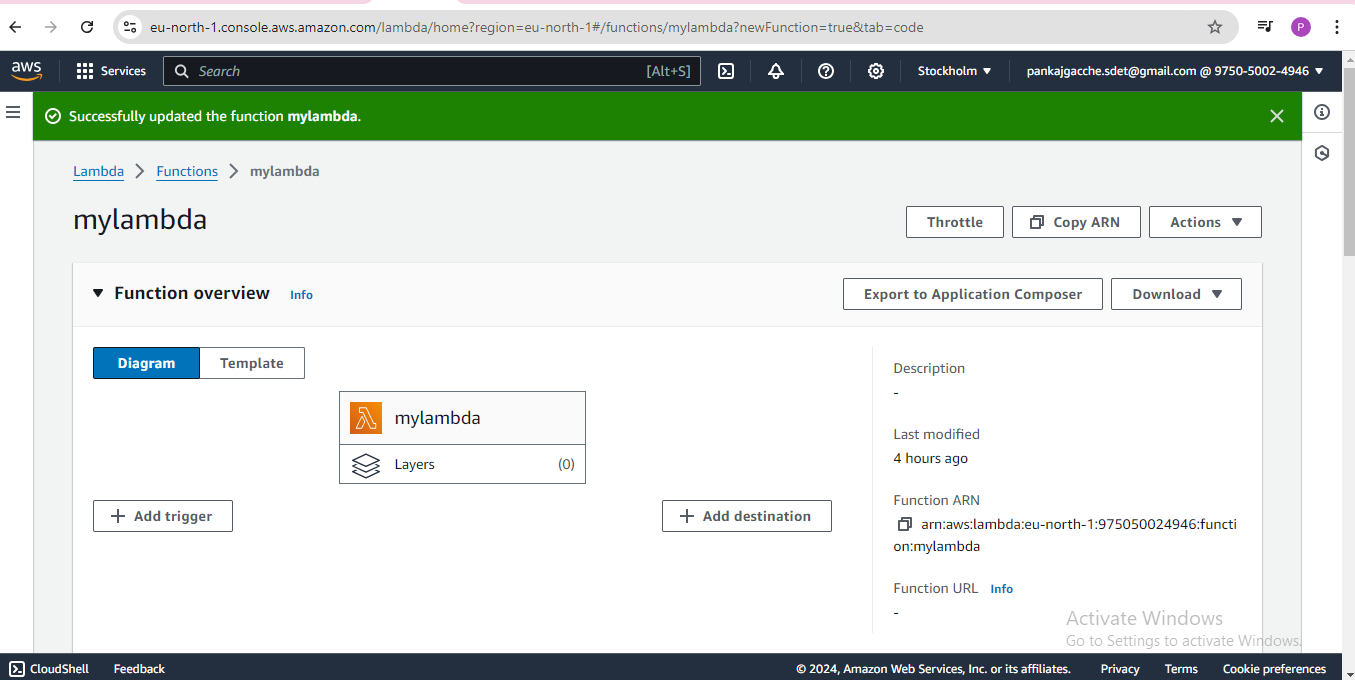
****

****

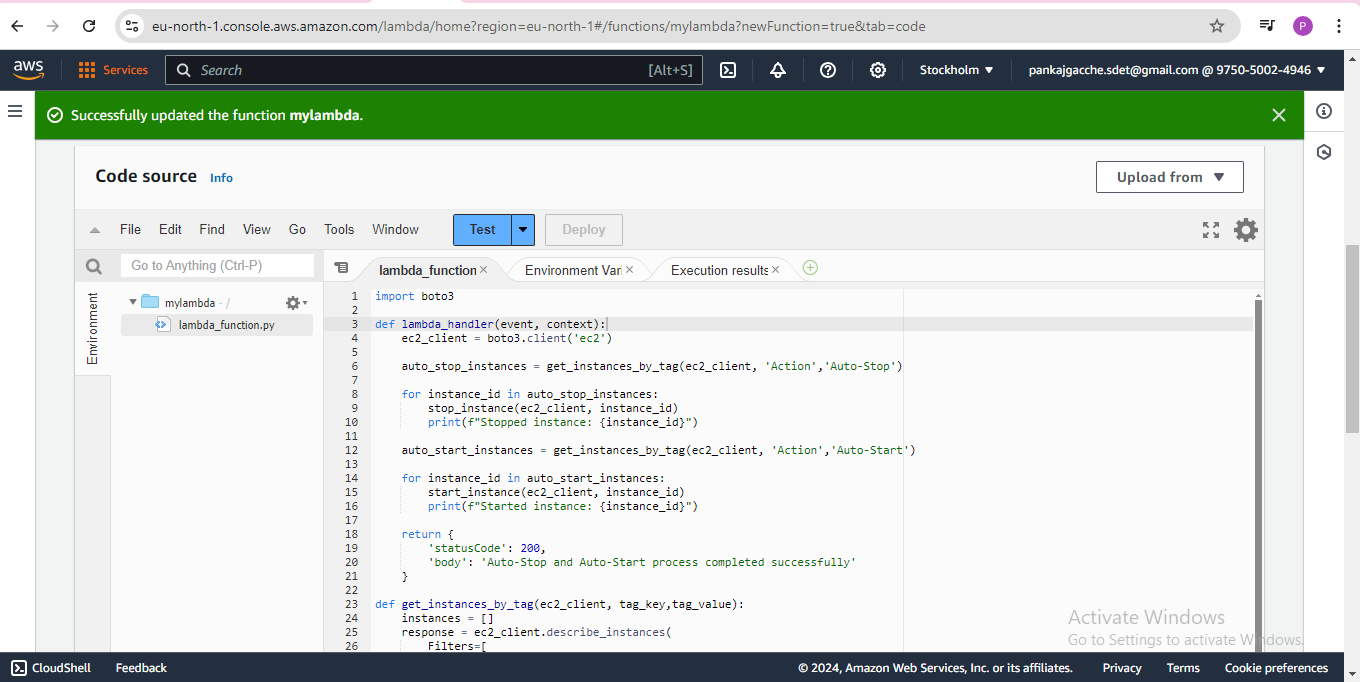
IAM permissions to describe, stop, and start EC2 instances:

****

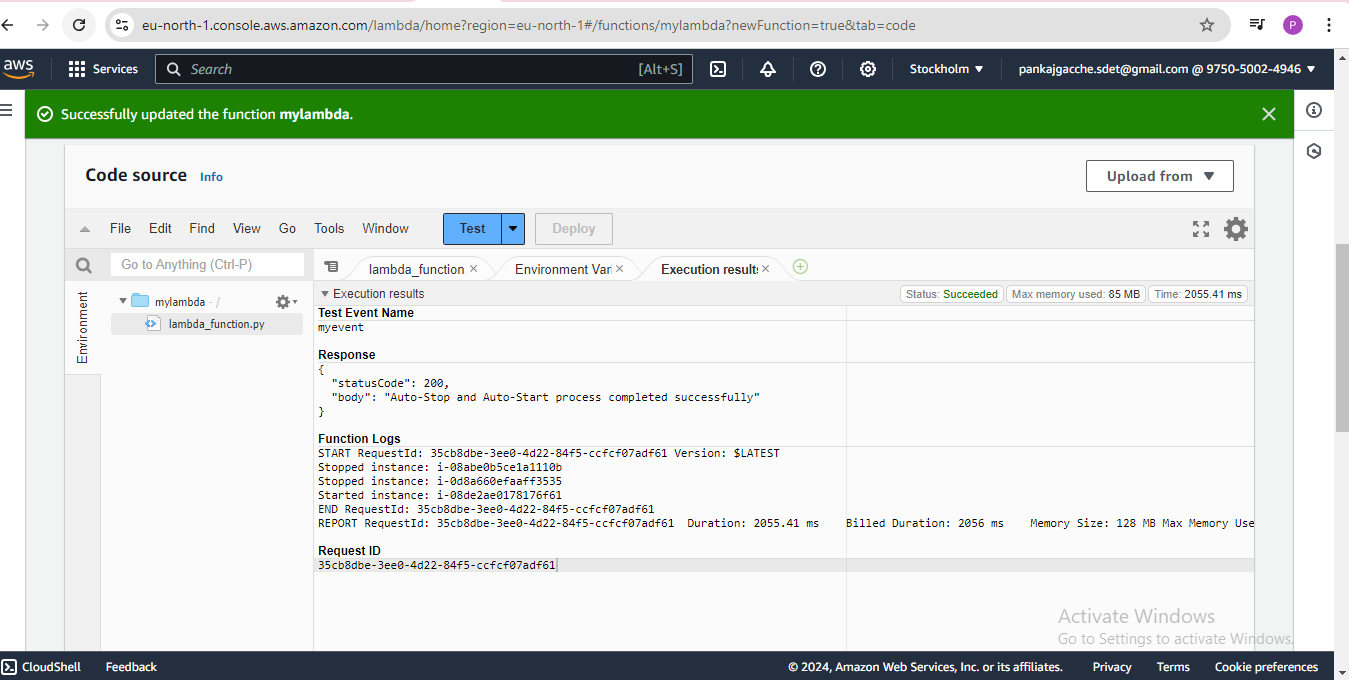
Set up an AWS Lambda function:

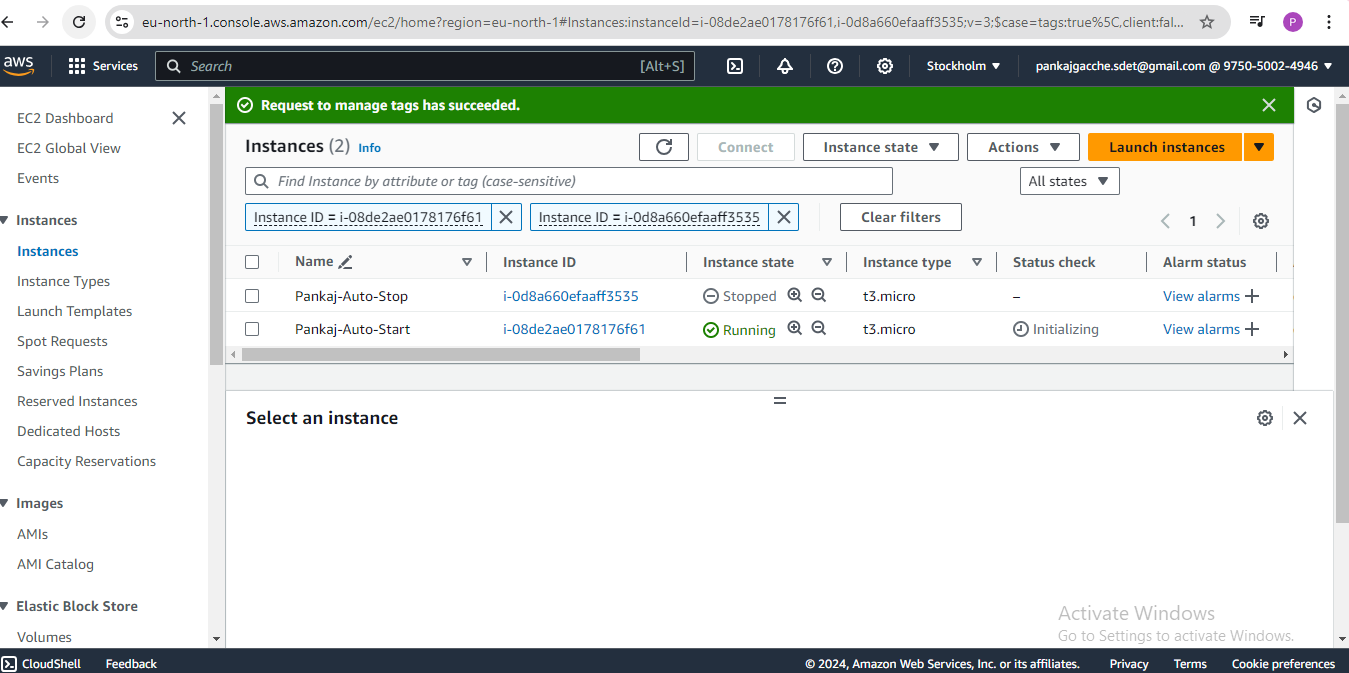
****

Using Boto3 in the Lambda function:



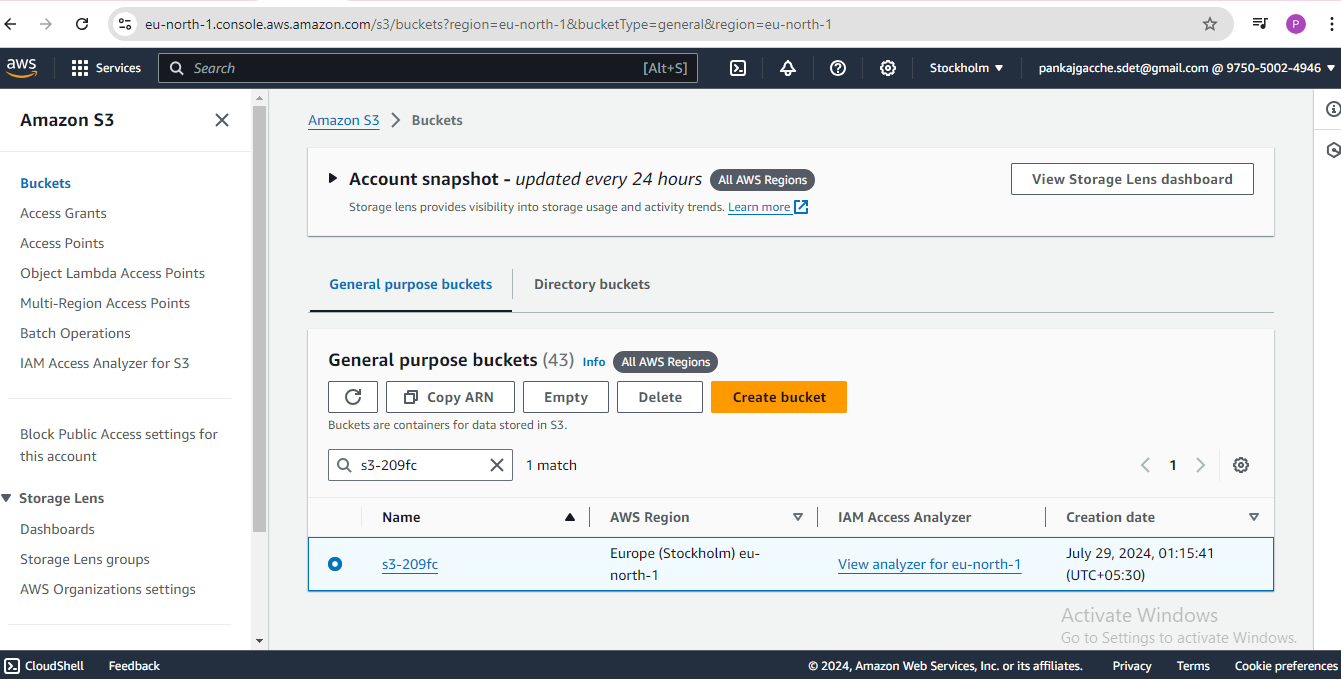
Manually invoke the Lambda function:



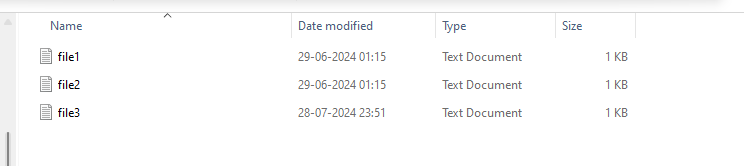
Confirm that the instance tagged `Auto-Stop` stops and the one tagged `Auto-Start` starts:  


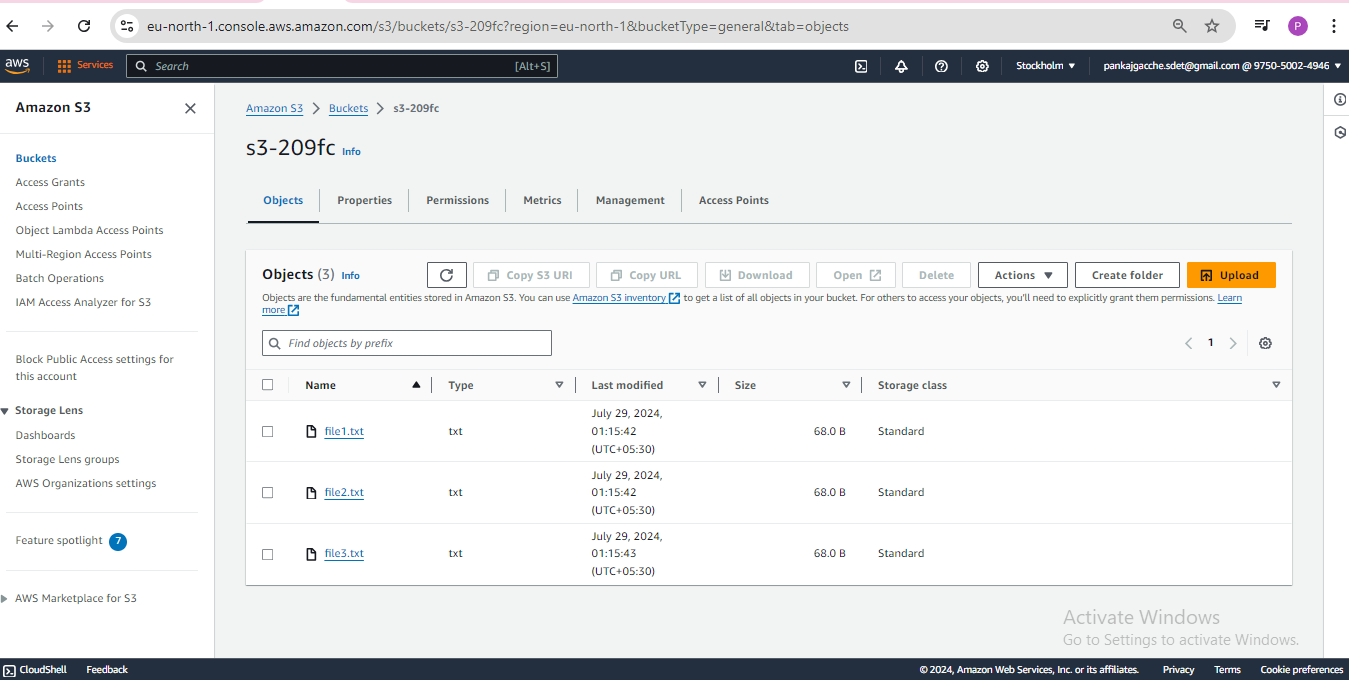
**Assignment 2: Automated S3 Bucket Cleanup Using AWS Lambda and Boto3**

Created a new S3 bucket:

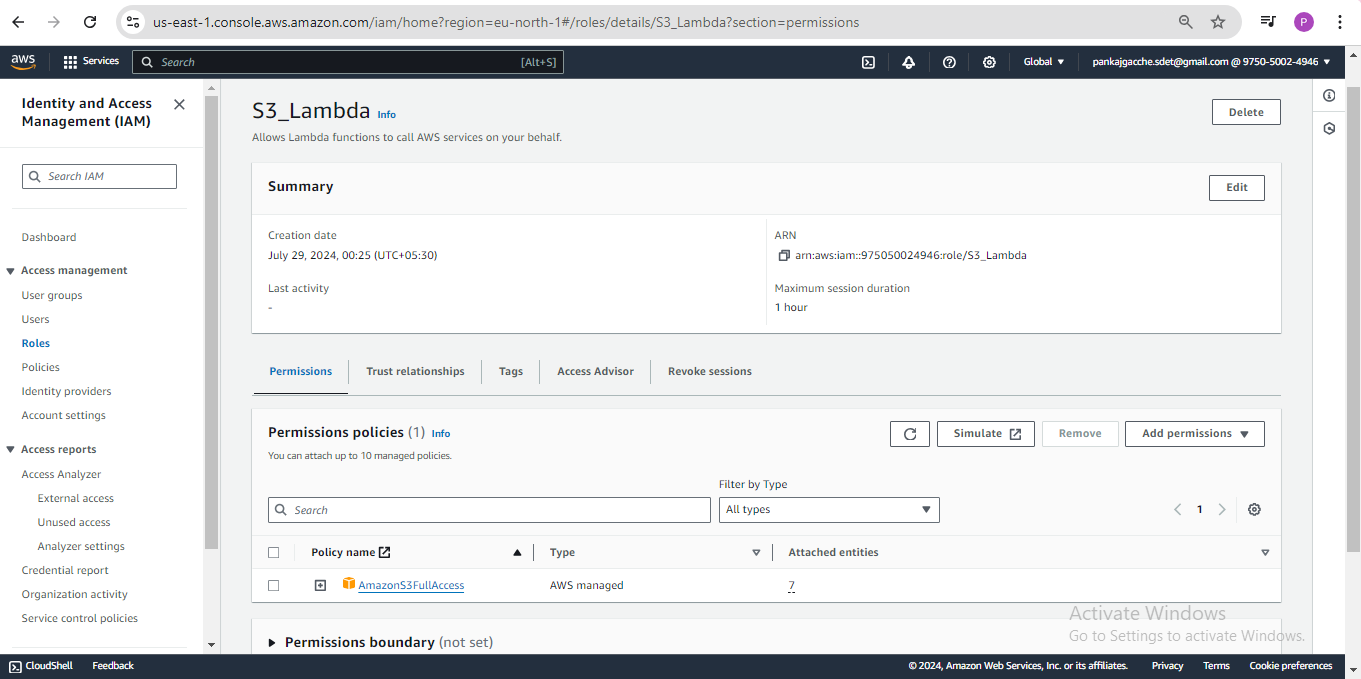


Upload multiple files to this bucket, ensuring that some files are older than 30 days:

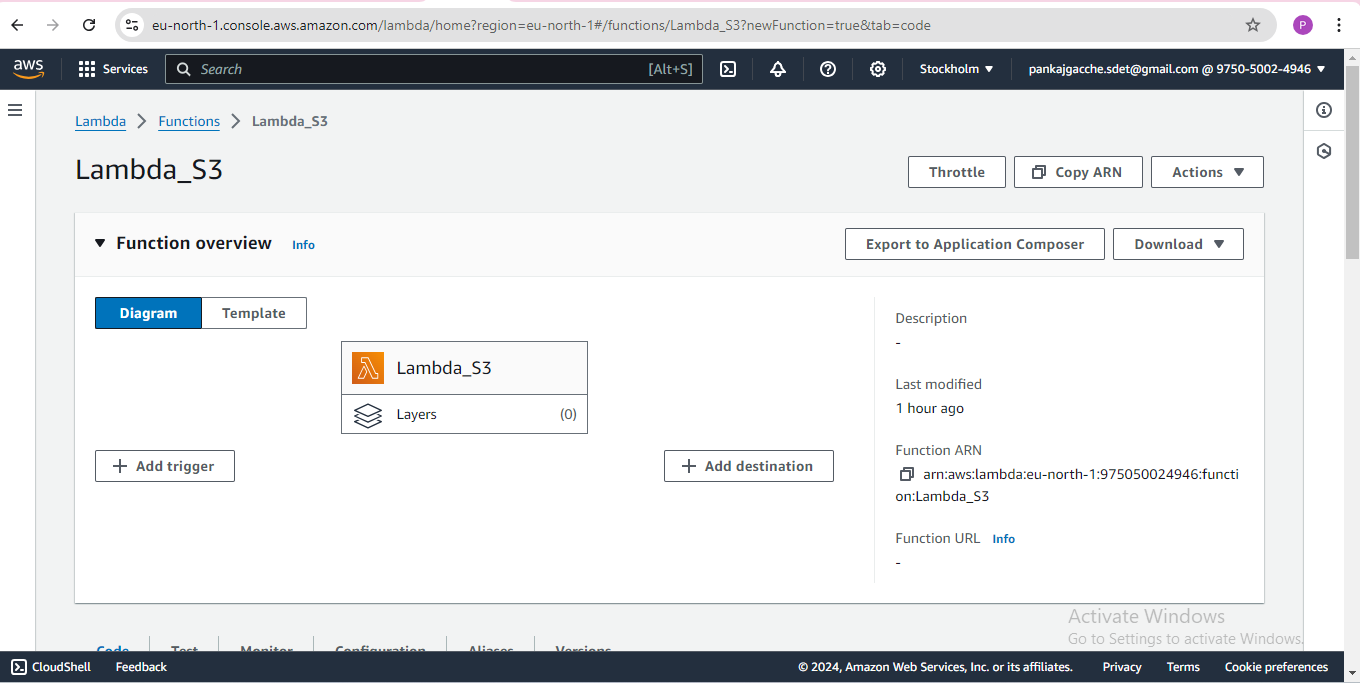


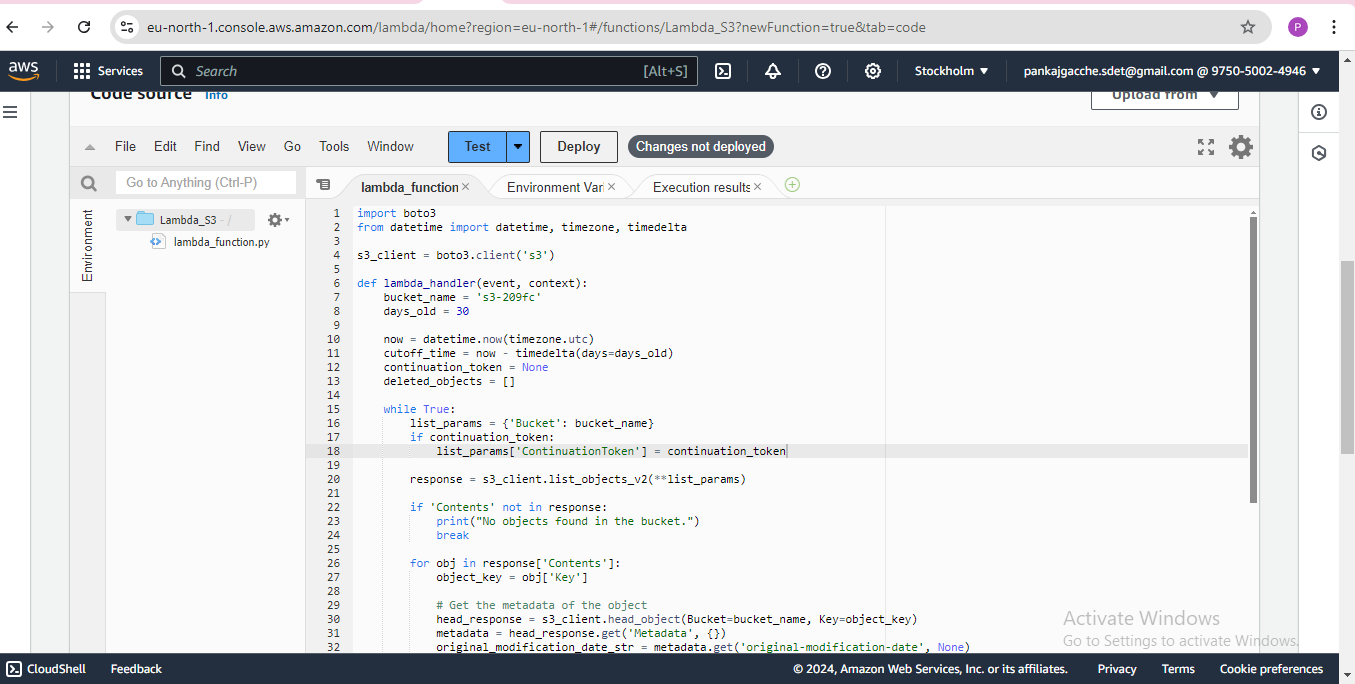


Lambda IAM Role for S3 bucket:

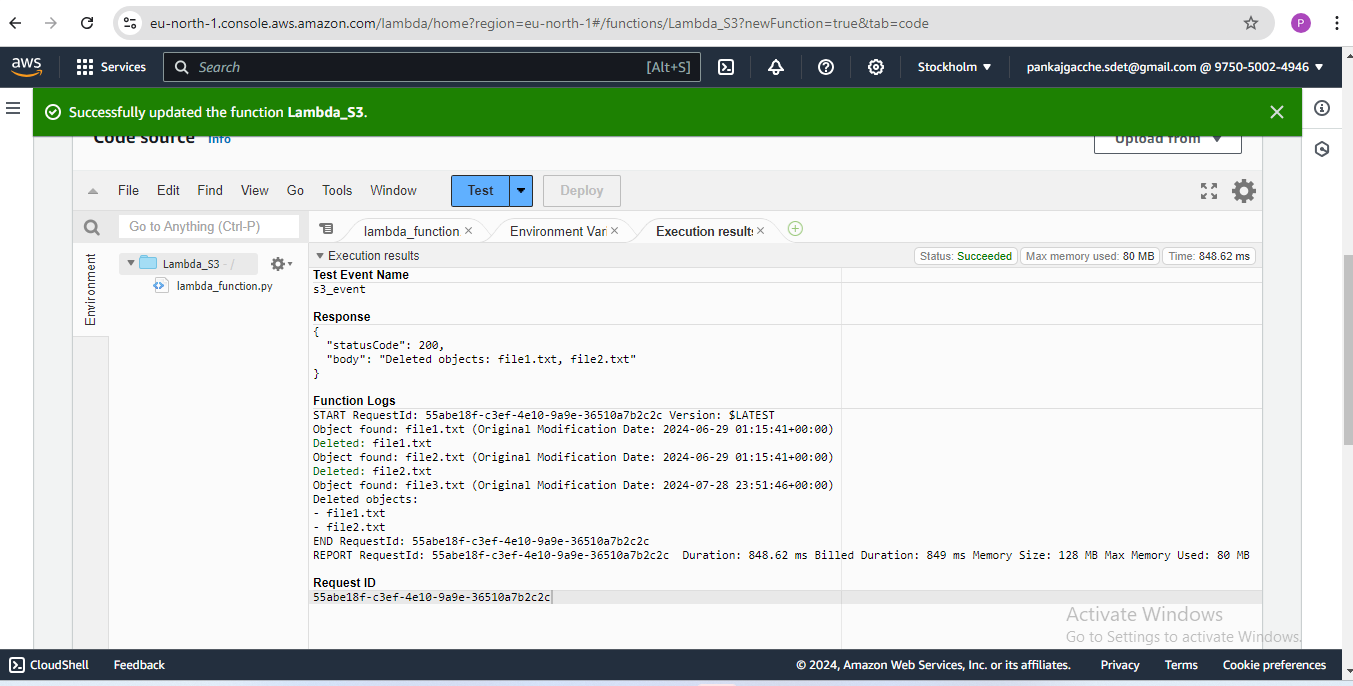


Lambda Function:

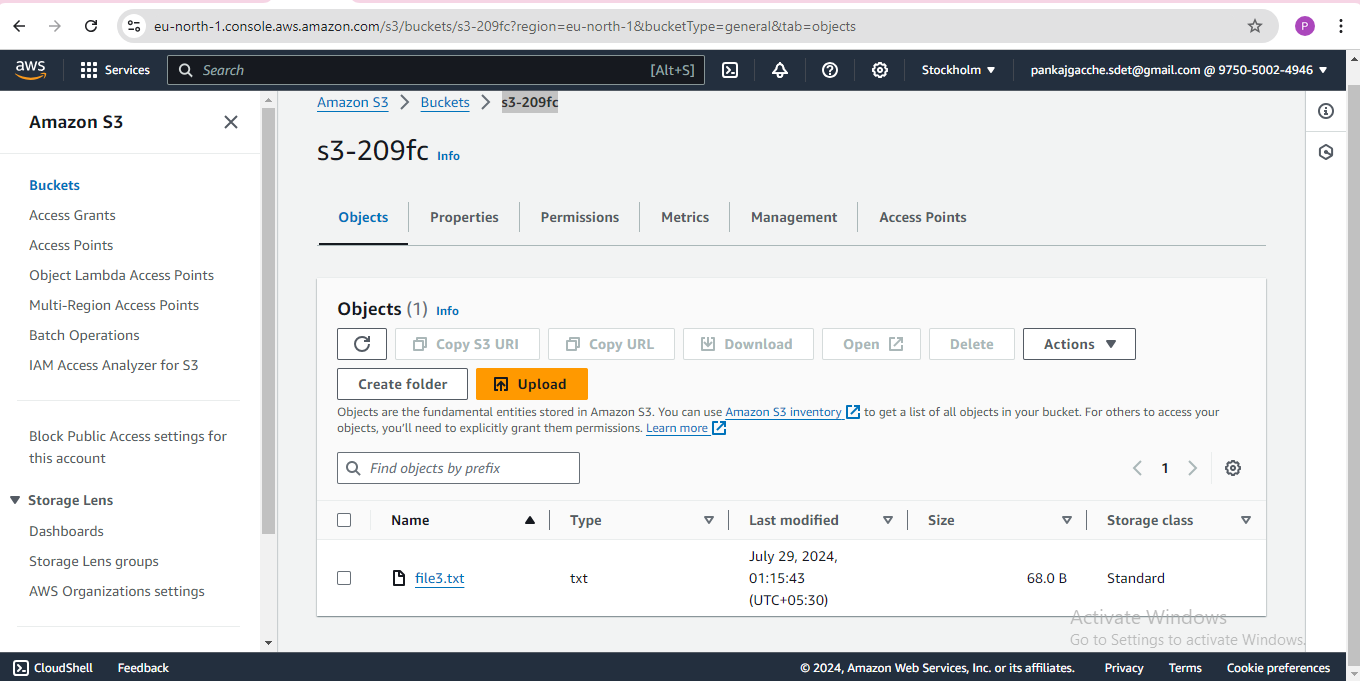




Deleted objects older than 30 days:

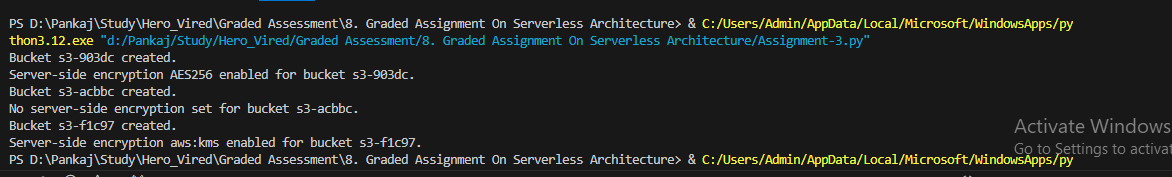


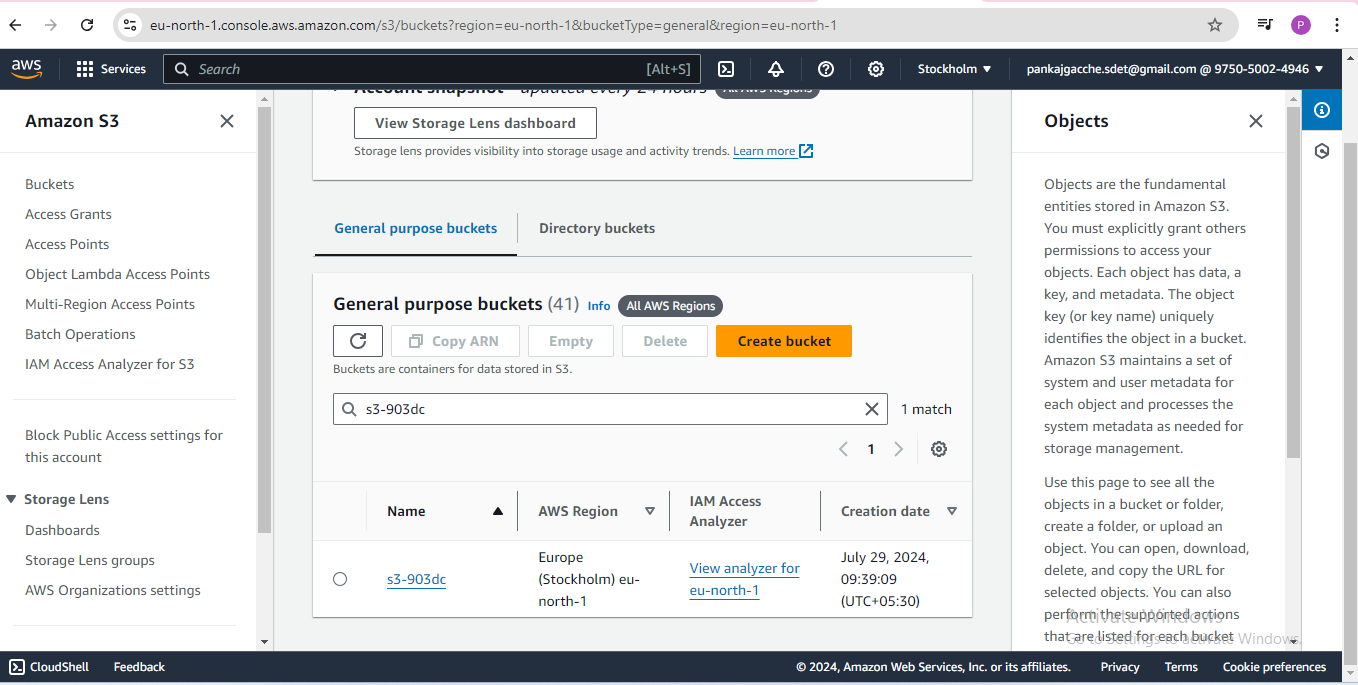
Navigated S3 dashboard and confirm that only files newer than 30 days remain:

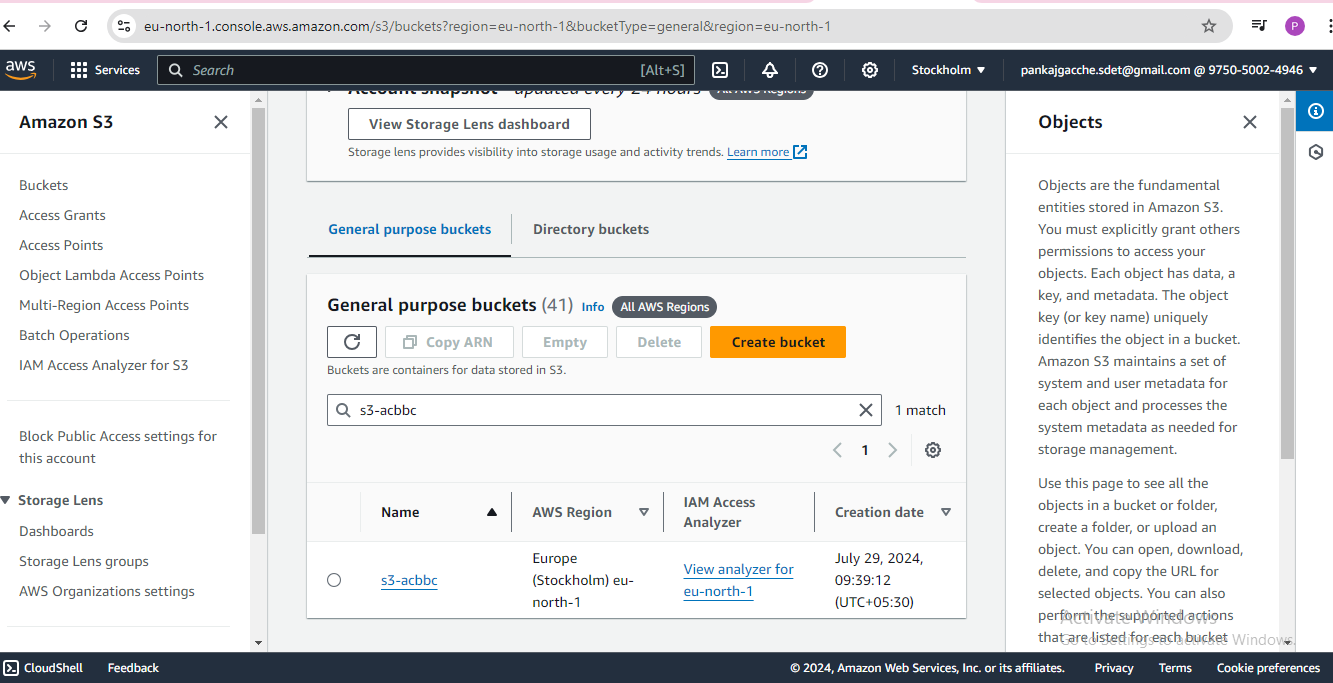


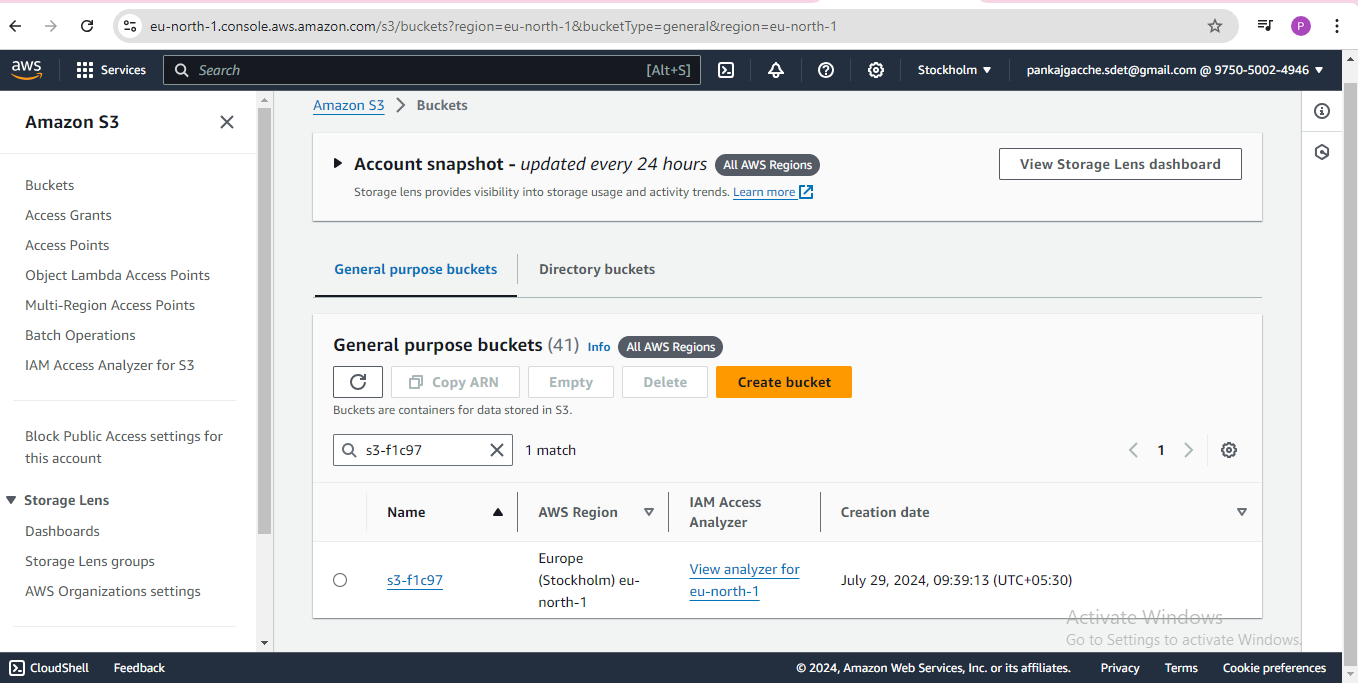
**Assignment 3: Monitor Unencrypted S3 Buckets Using AWS Lambda and Boto3**

Navigate to the S3 dashboard and create a few buckets:

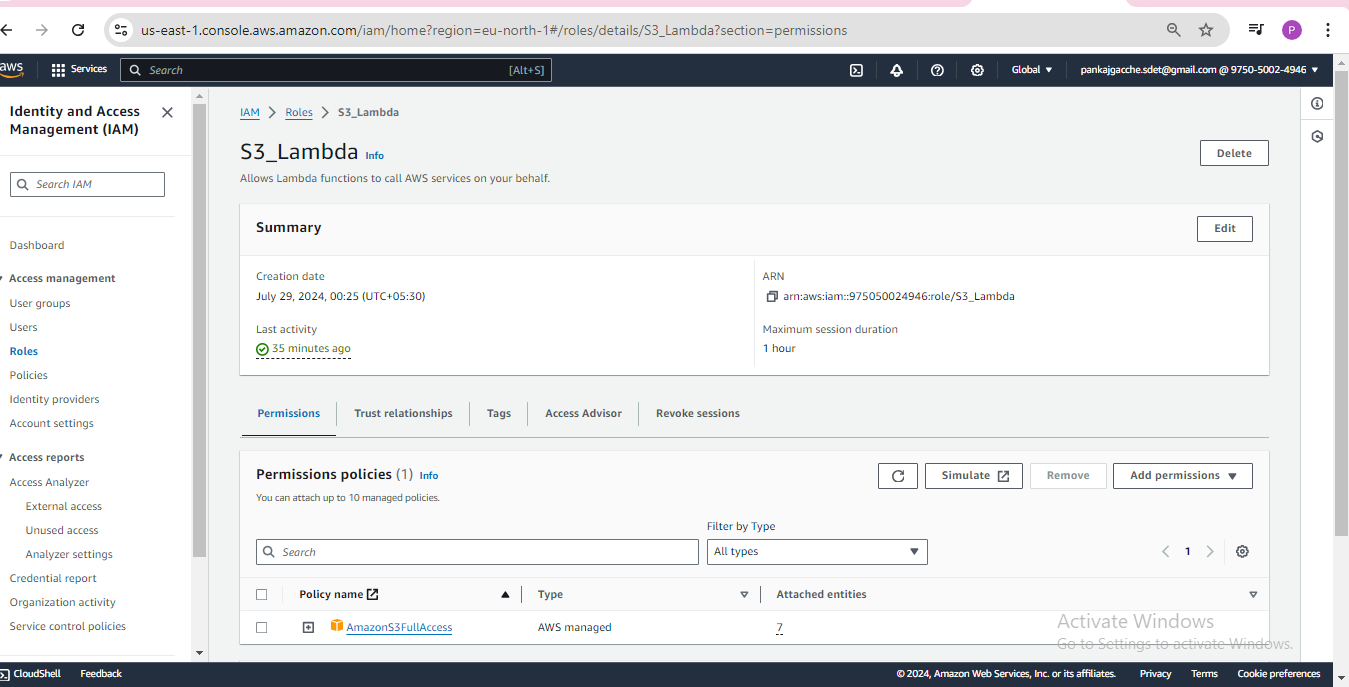
****



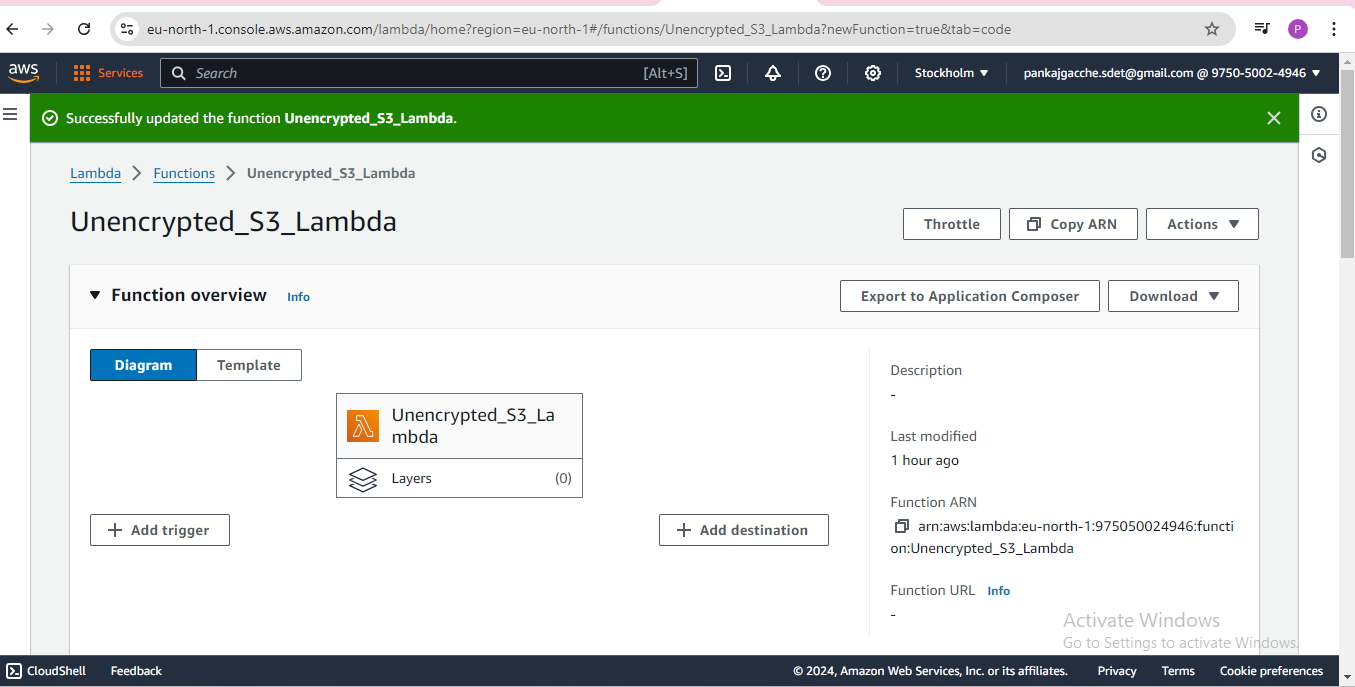


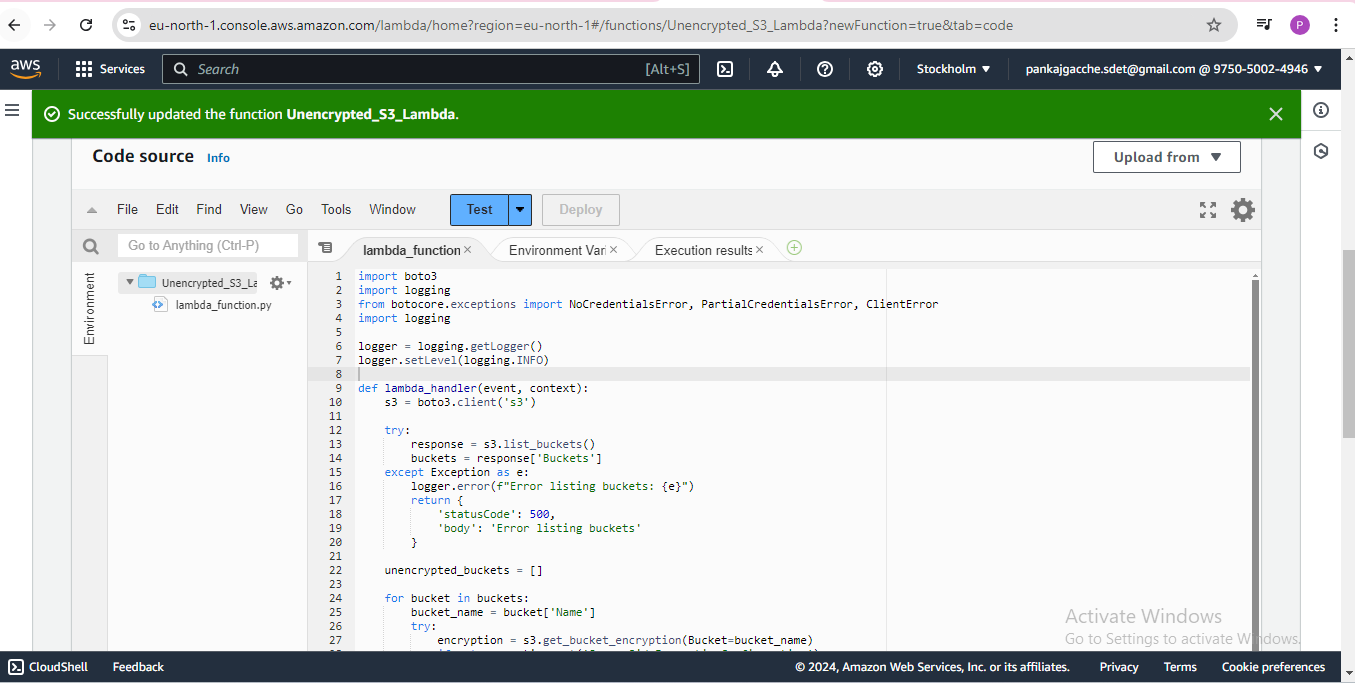


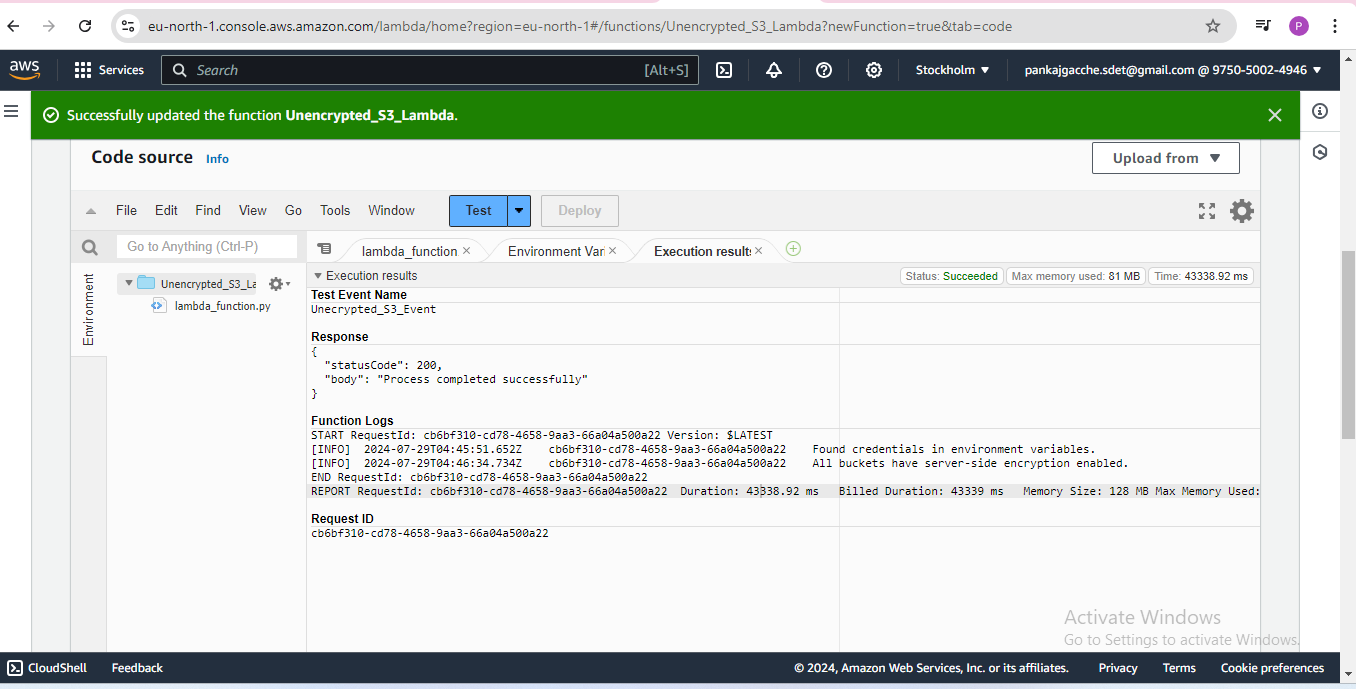
Created Lambda IAM Role:



Created Lambda Function:

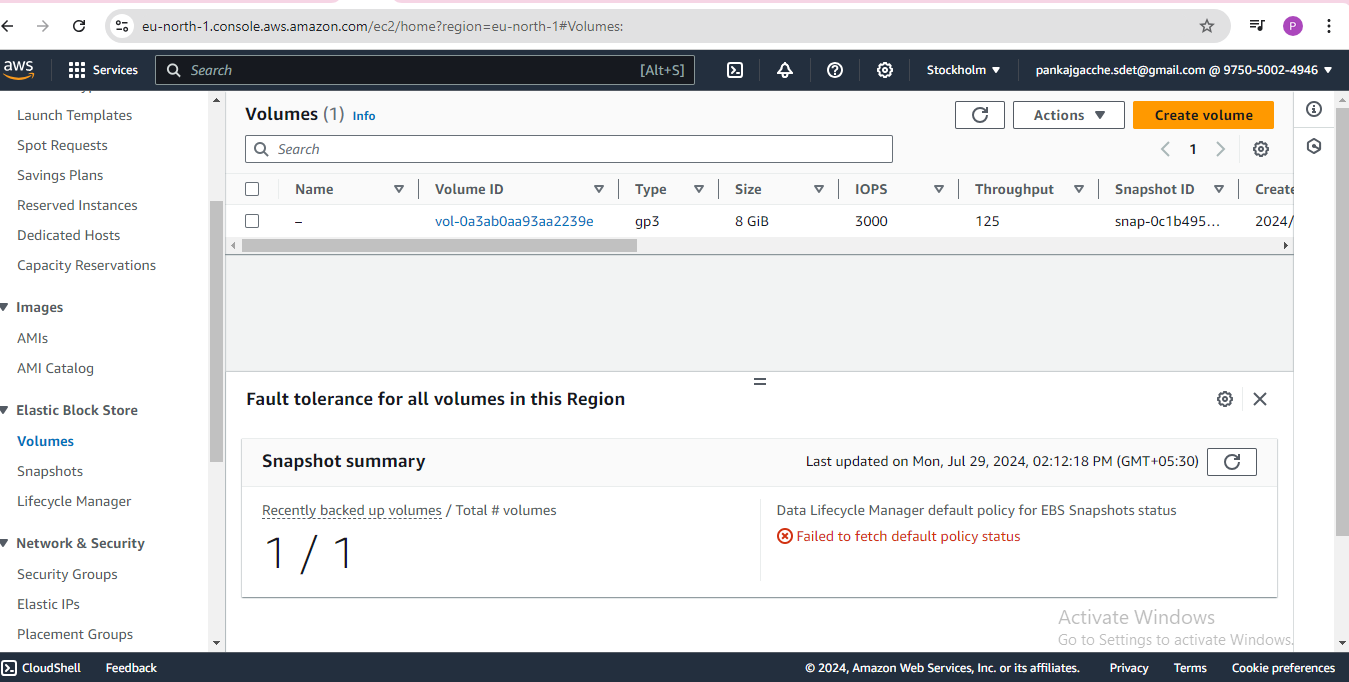




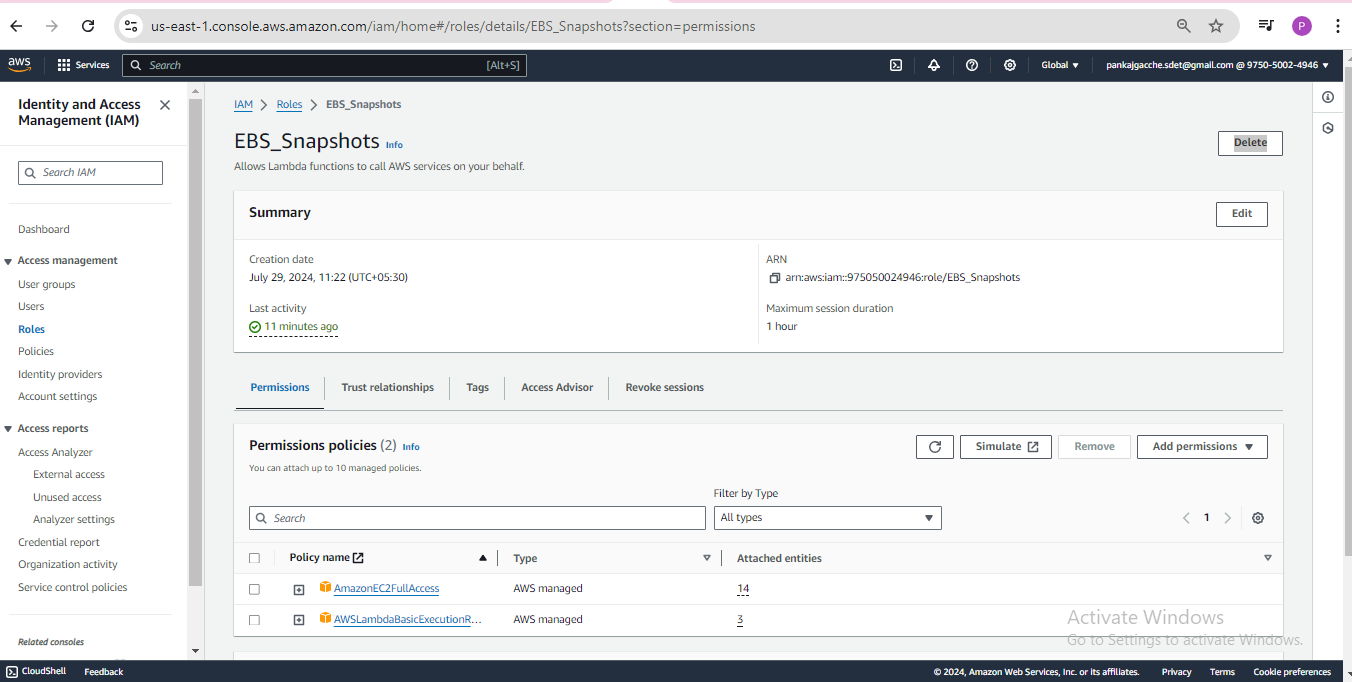


**Assignment 4: Automatic EBS Snapshot and Clean up Using AWS Lambda and Boto3**

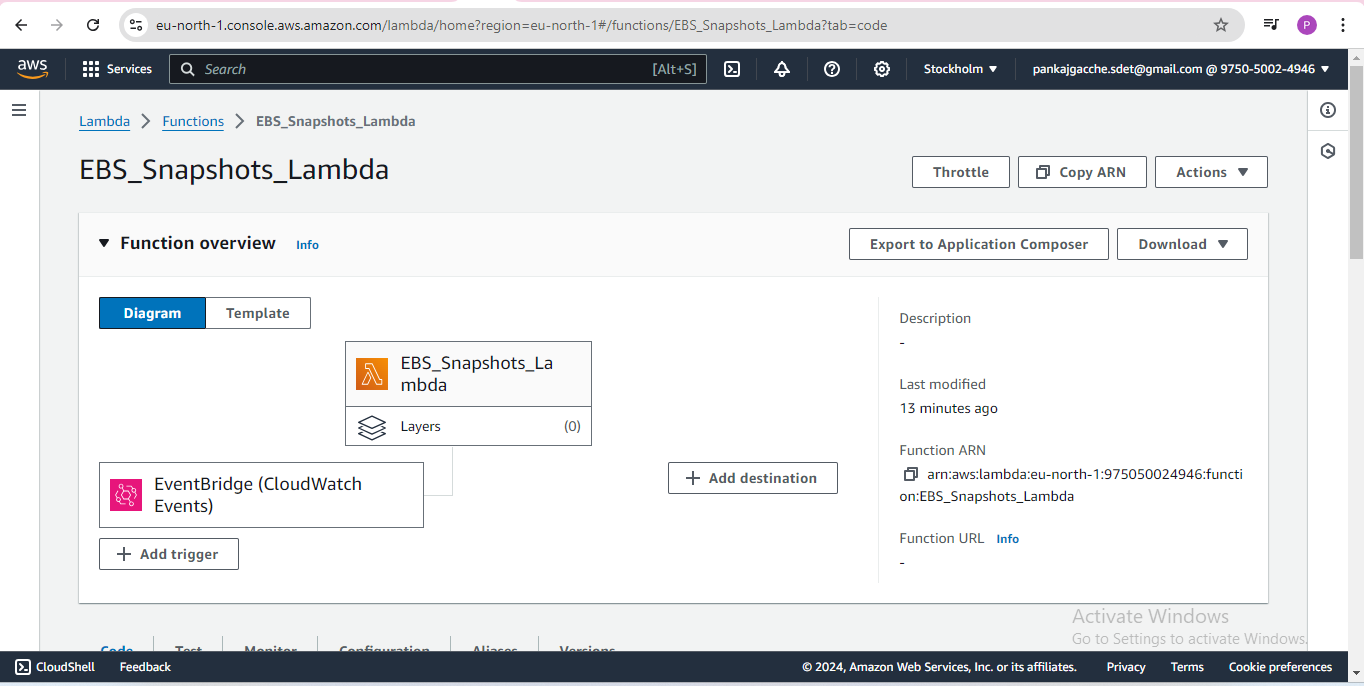
Navigated to the EC2 dashboard and identified EBS volume:

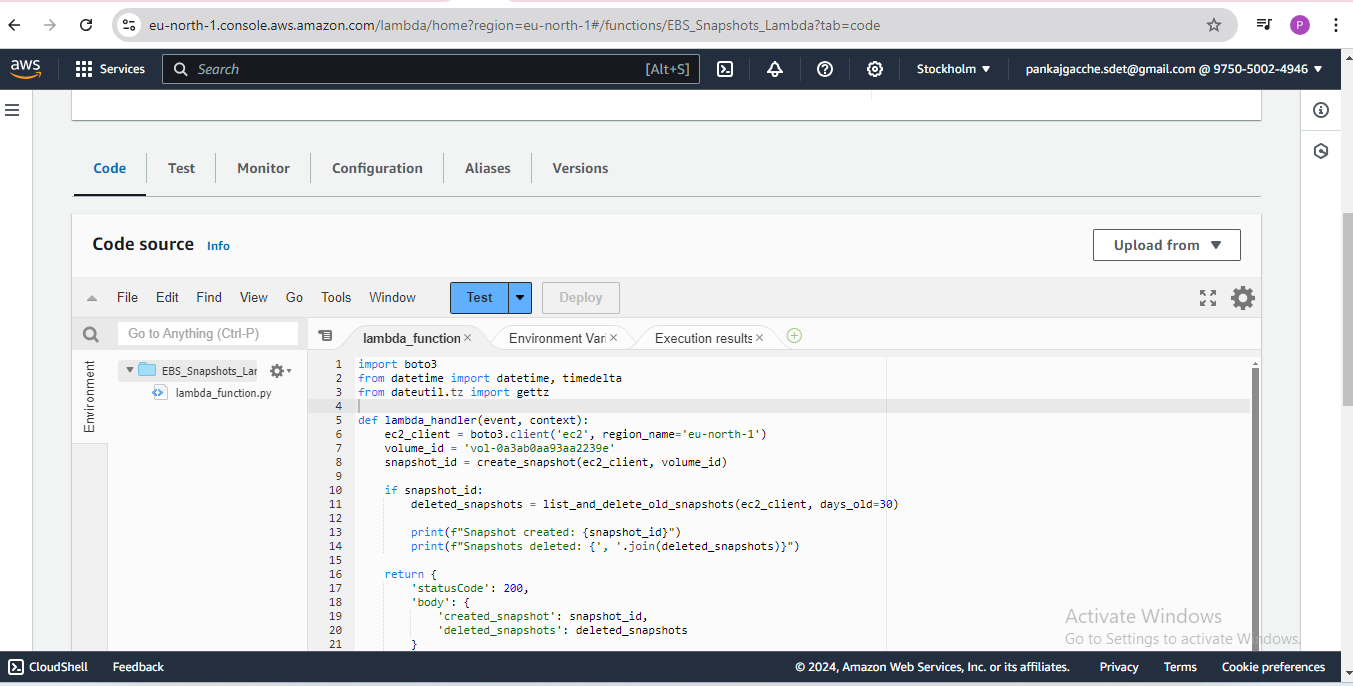


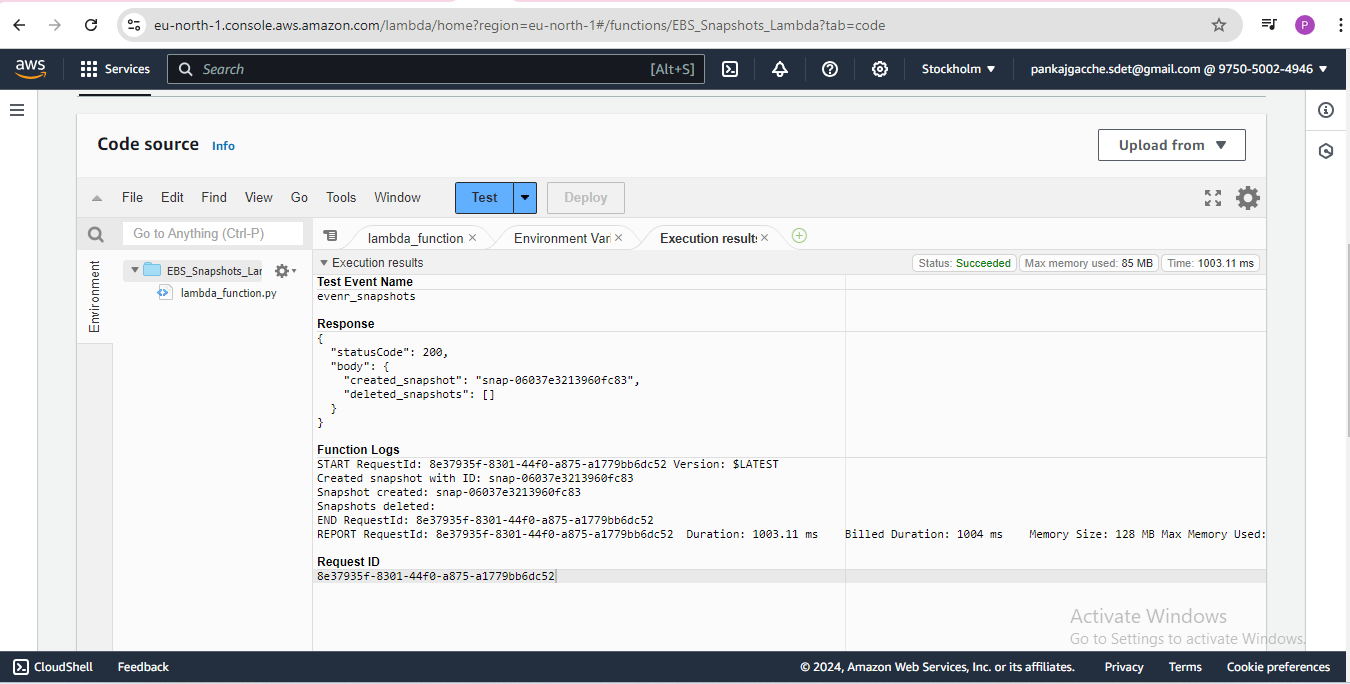
Created Lambda IAM Role:



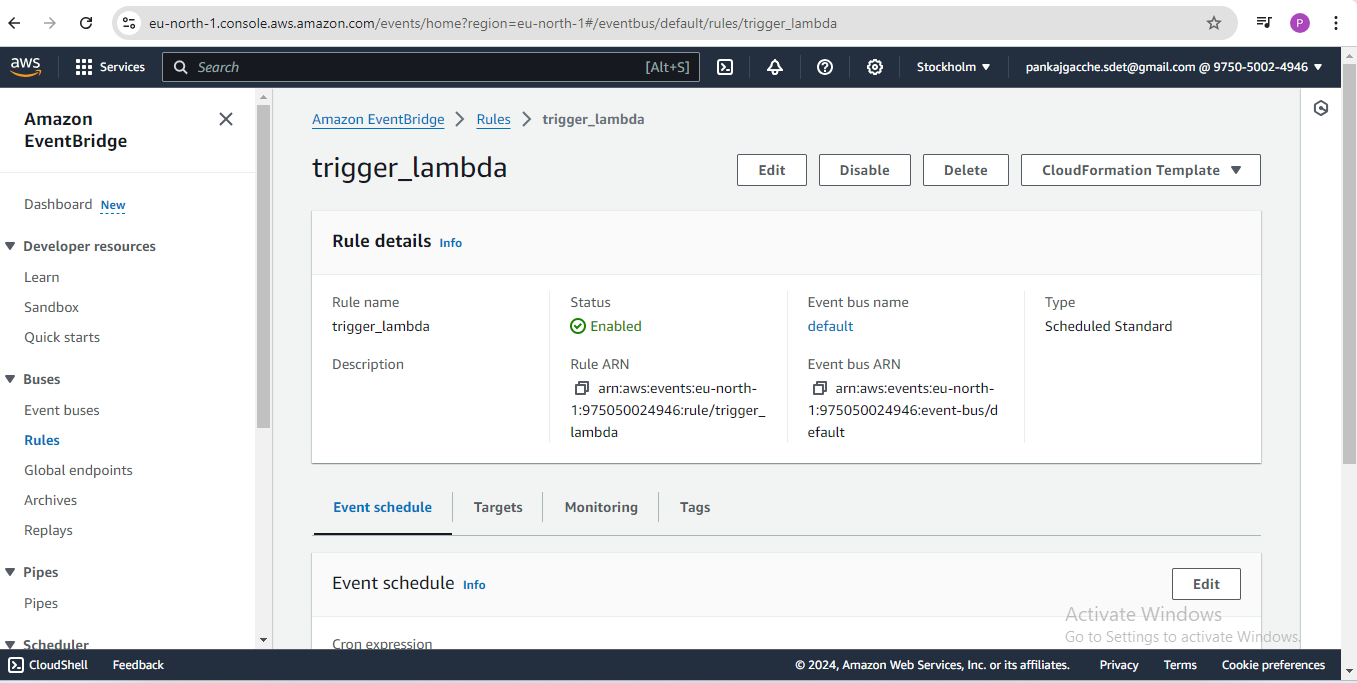
Created Lambda Function:

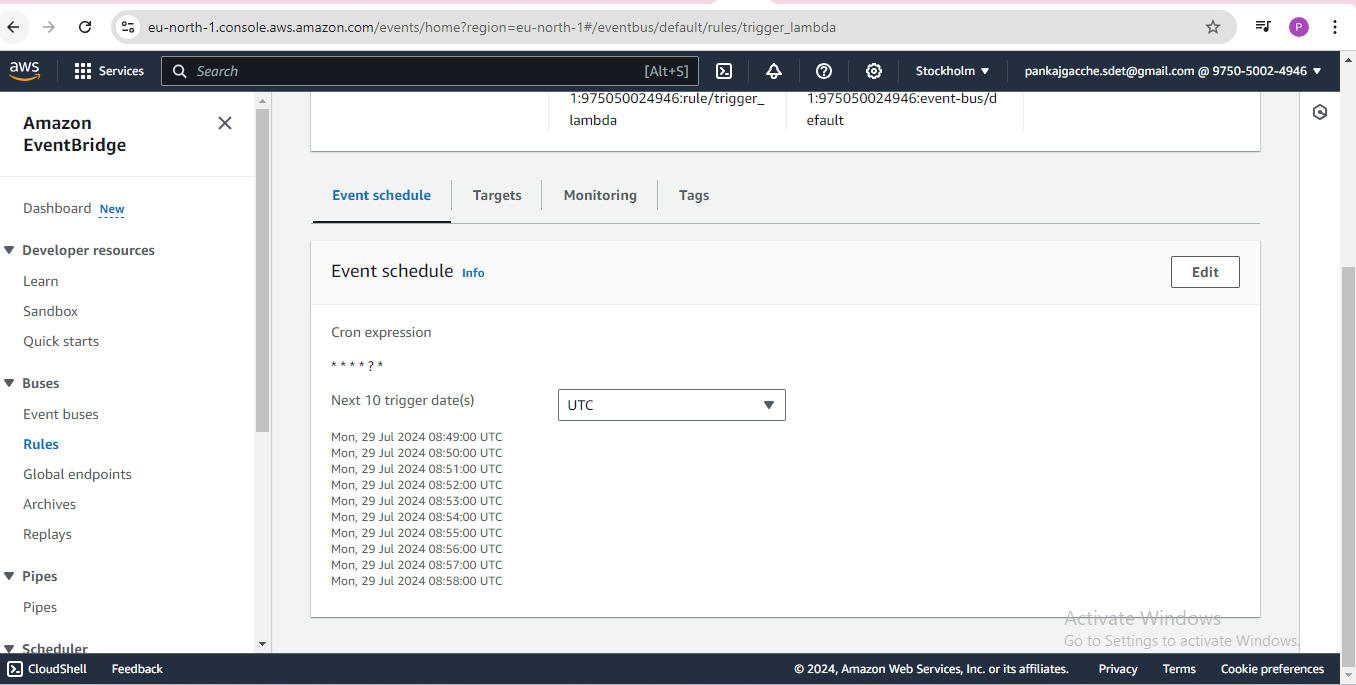


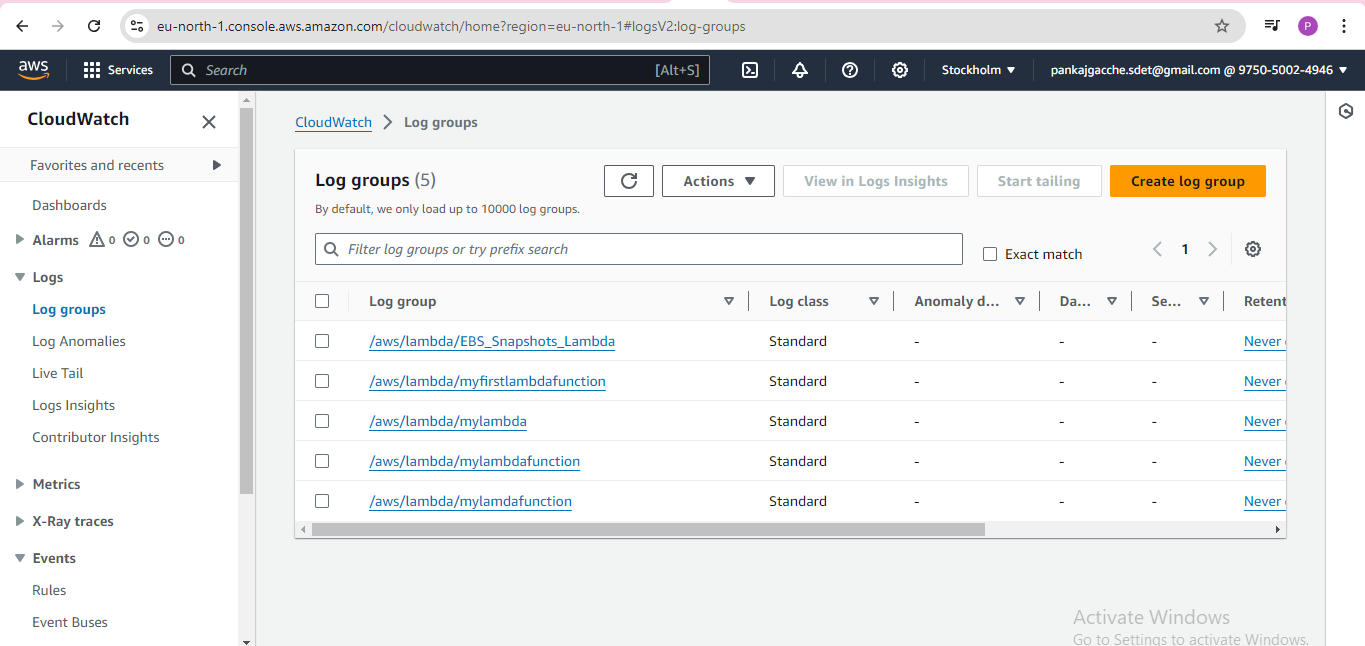


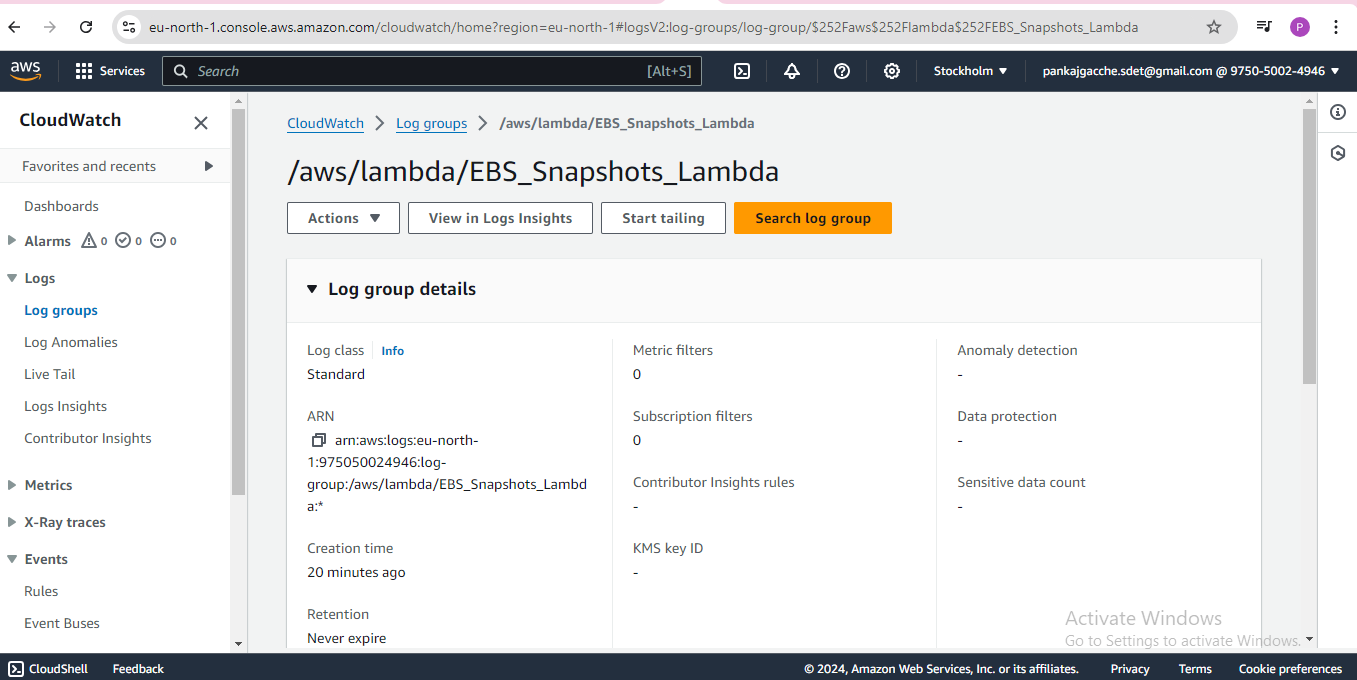


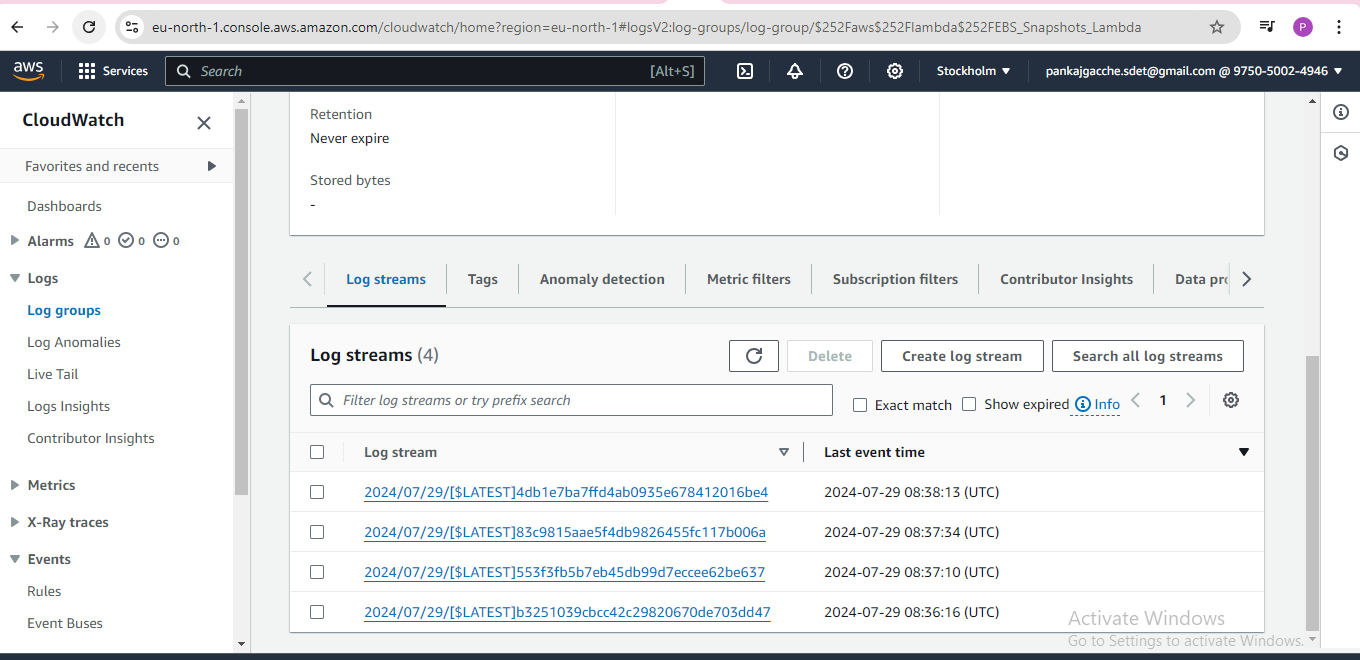
Attach an event source, like Amazon Cloud Watch Events, to trigger the Lambda function

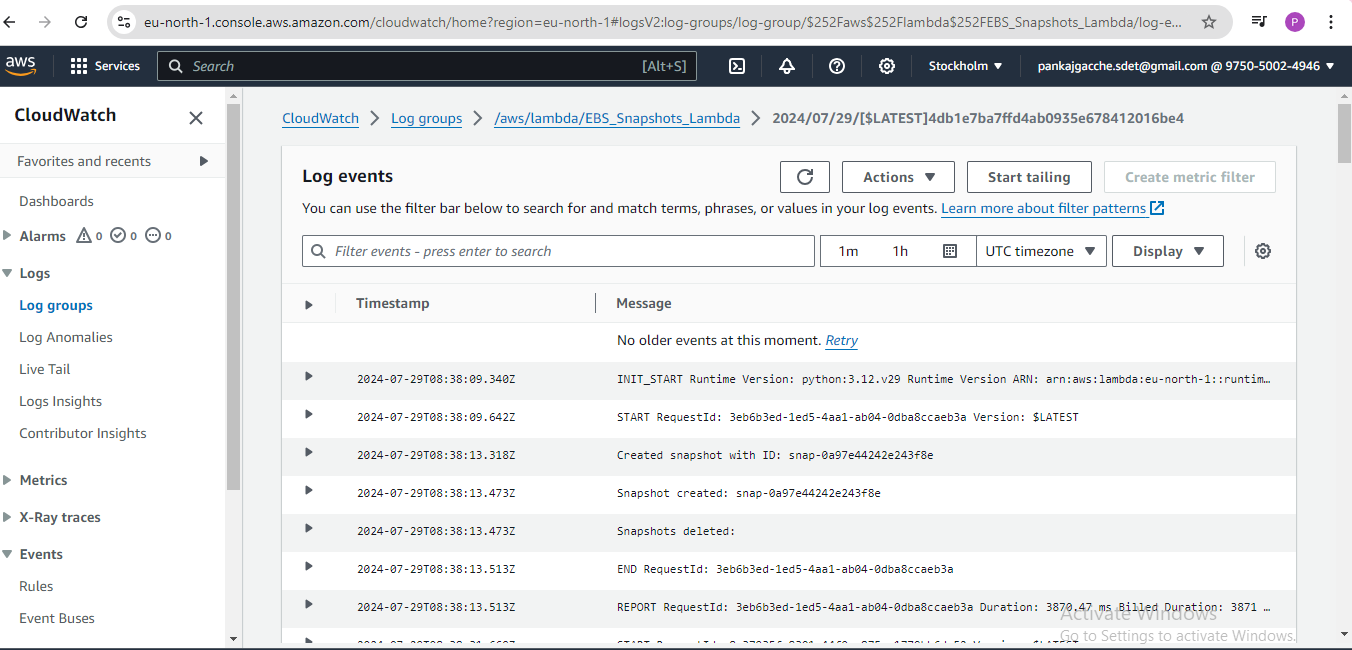


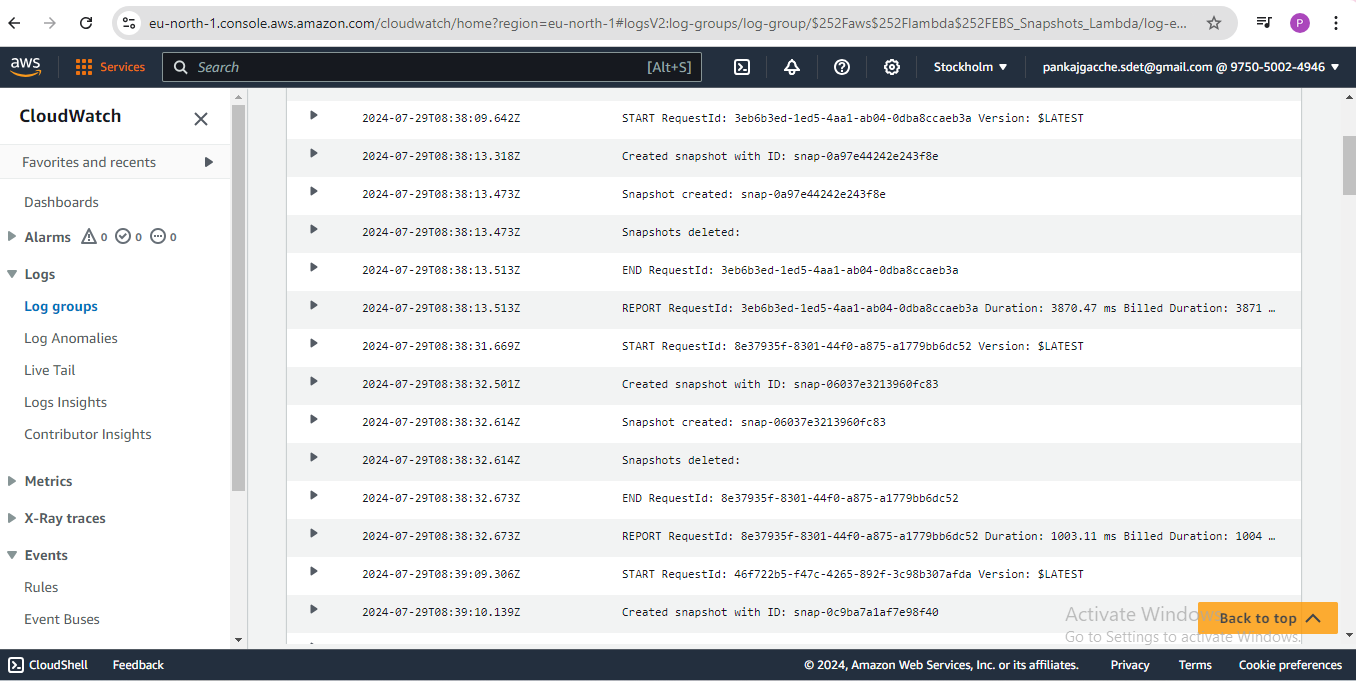












Navigated EC2 dashboard and confirmed that the snapshot is created and old snapshots are deleted.

