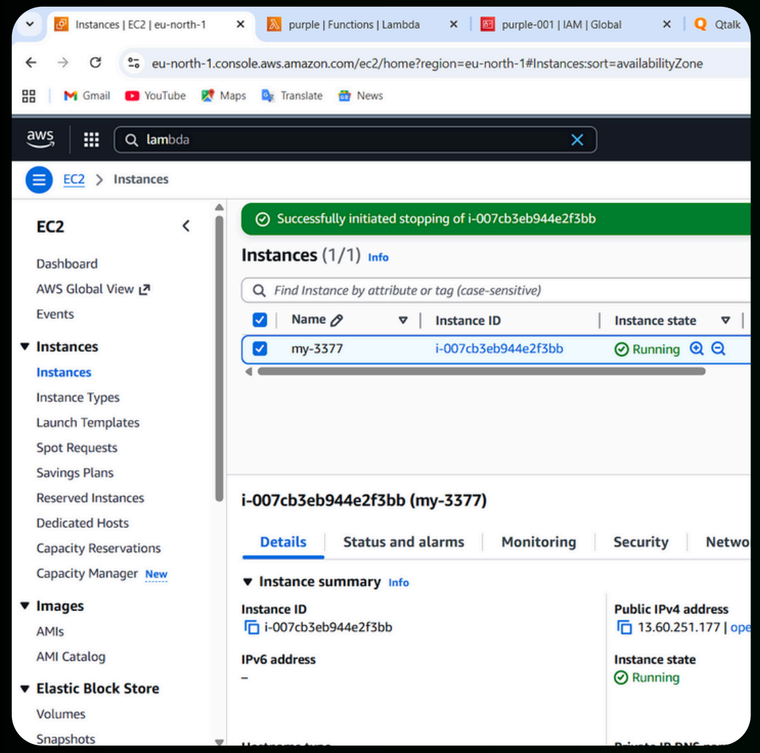
AWS Lambda Function Task

HI IM FORM M-5 AWS BATCH

SHYAM

This section contains the tasks performed by the AWS Lambda function, including its operations, workflow, and execution steps

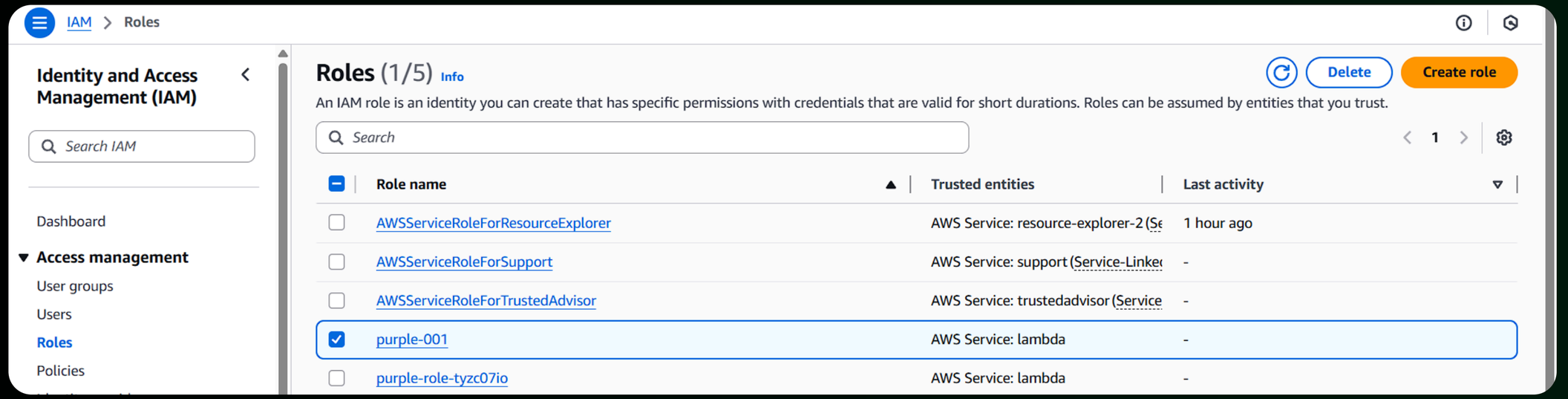
Task - 1



EC2 Instance

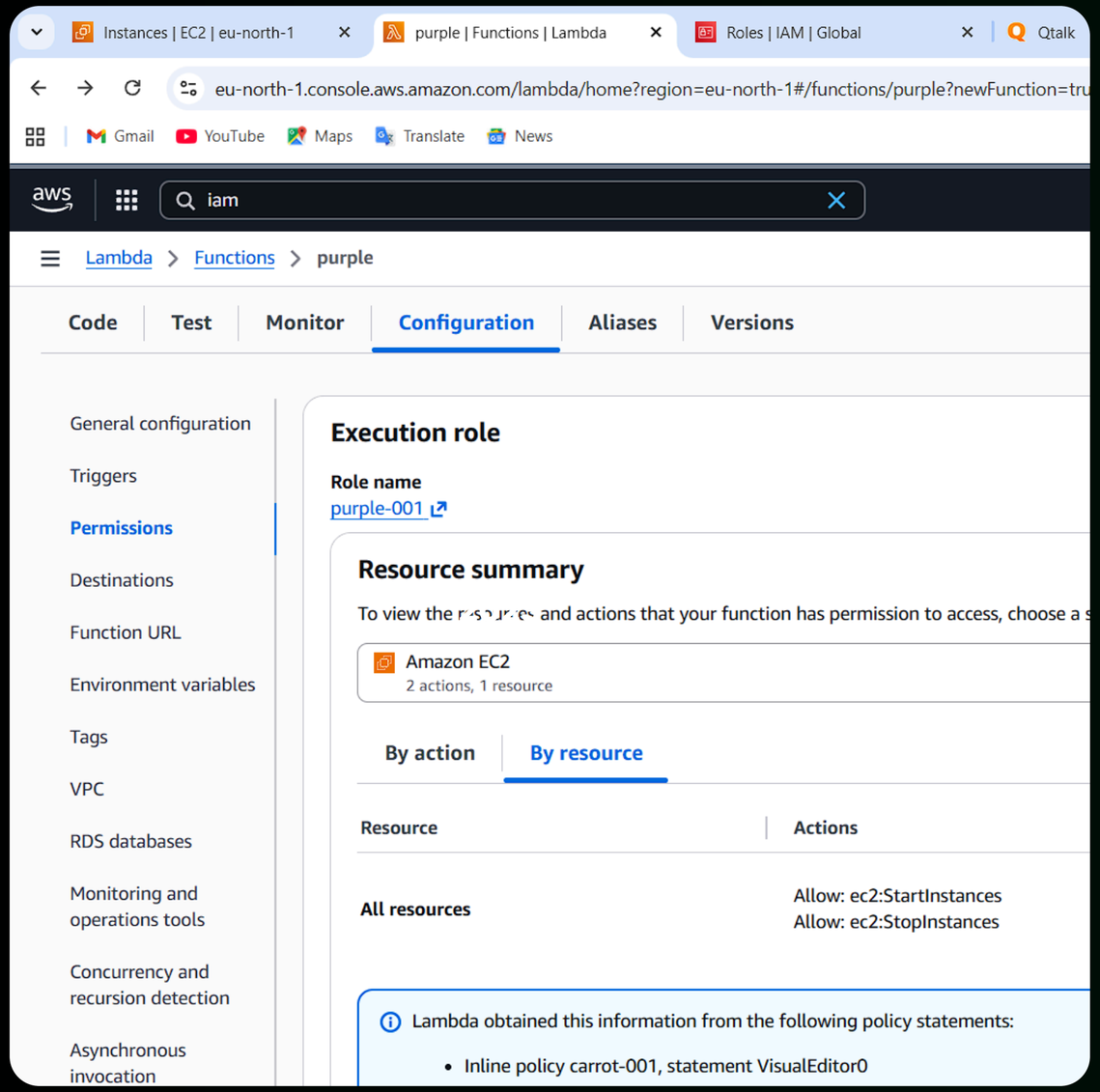
During the creation of the EC2 instance, ensure that it is properly configured to connect with the AWS Lambda function by setting up a synchronous event-source connection

synchronous



IAM - Roles

During the creation of the IAM role, assign the required permissions that allow the role to access the AWS Lambda function and interact with its configured destinations of start & stop.



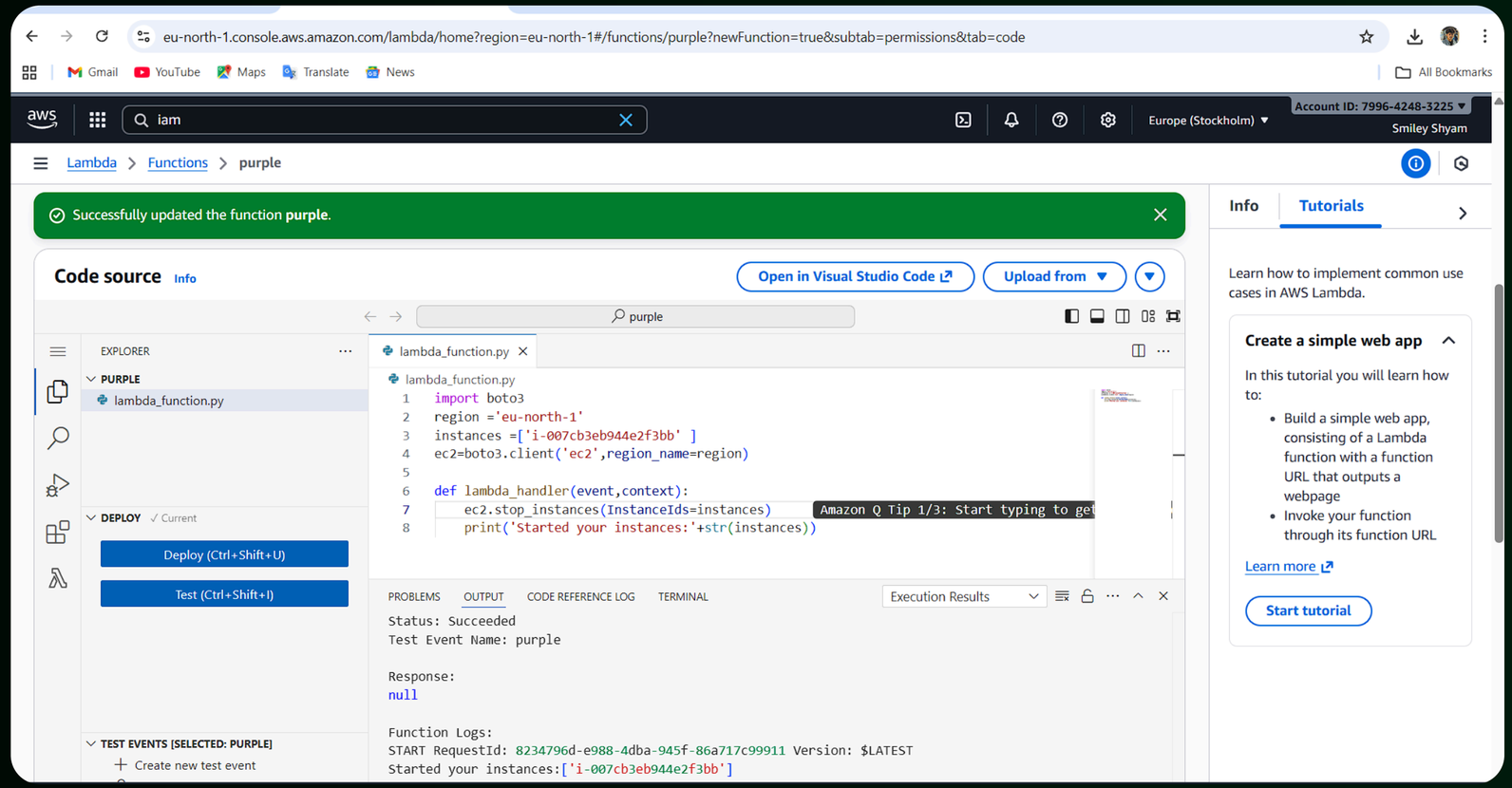
Lambda

Function

While creating the Lambda function, configure the required permissions and enable access to its destination so the function can connect and operate properly.

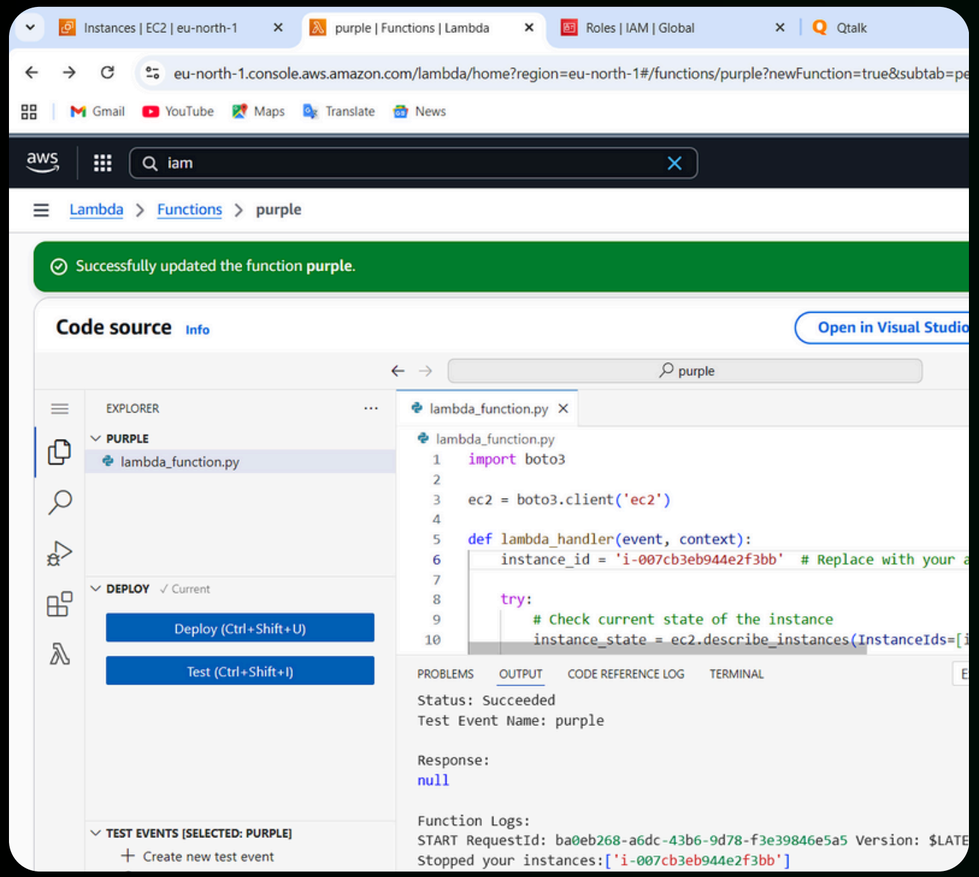
lambda-code

Within the Lambda function code, the Instance ID and Region can be updated according to your requirements. Simply replace the existing values in the code to reflect the correct instance details.



Script - 1

lambda - code!



Seript - 2

Within the Lambda function code, the Instance ID and Region can be updated according to your requirements. Simply replace the existing values in the code to reflect the correct instance details.

lambda - code!

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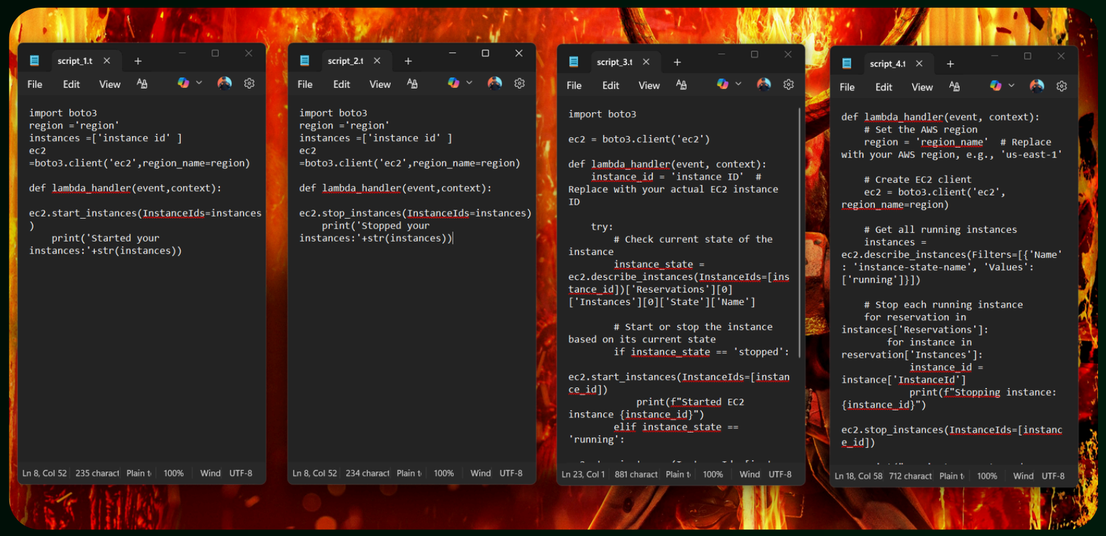
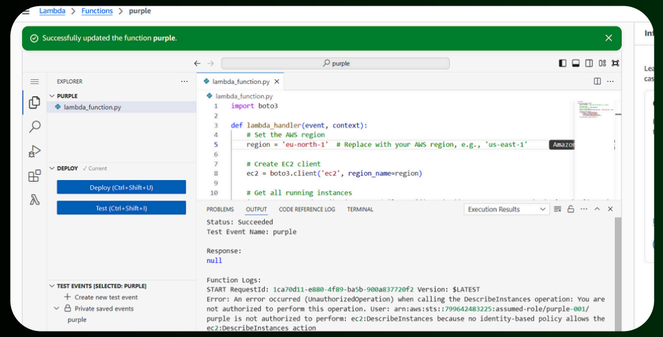
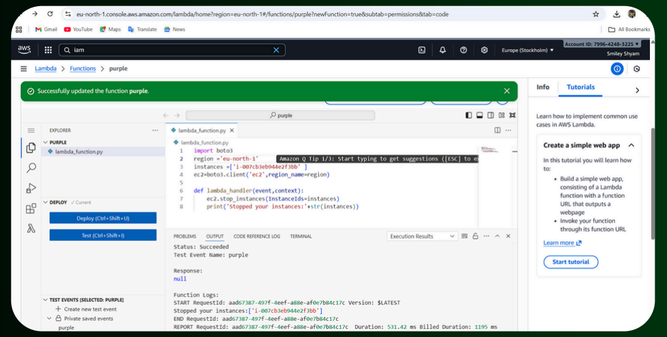
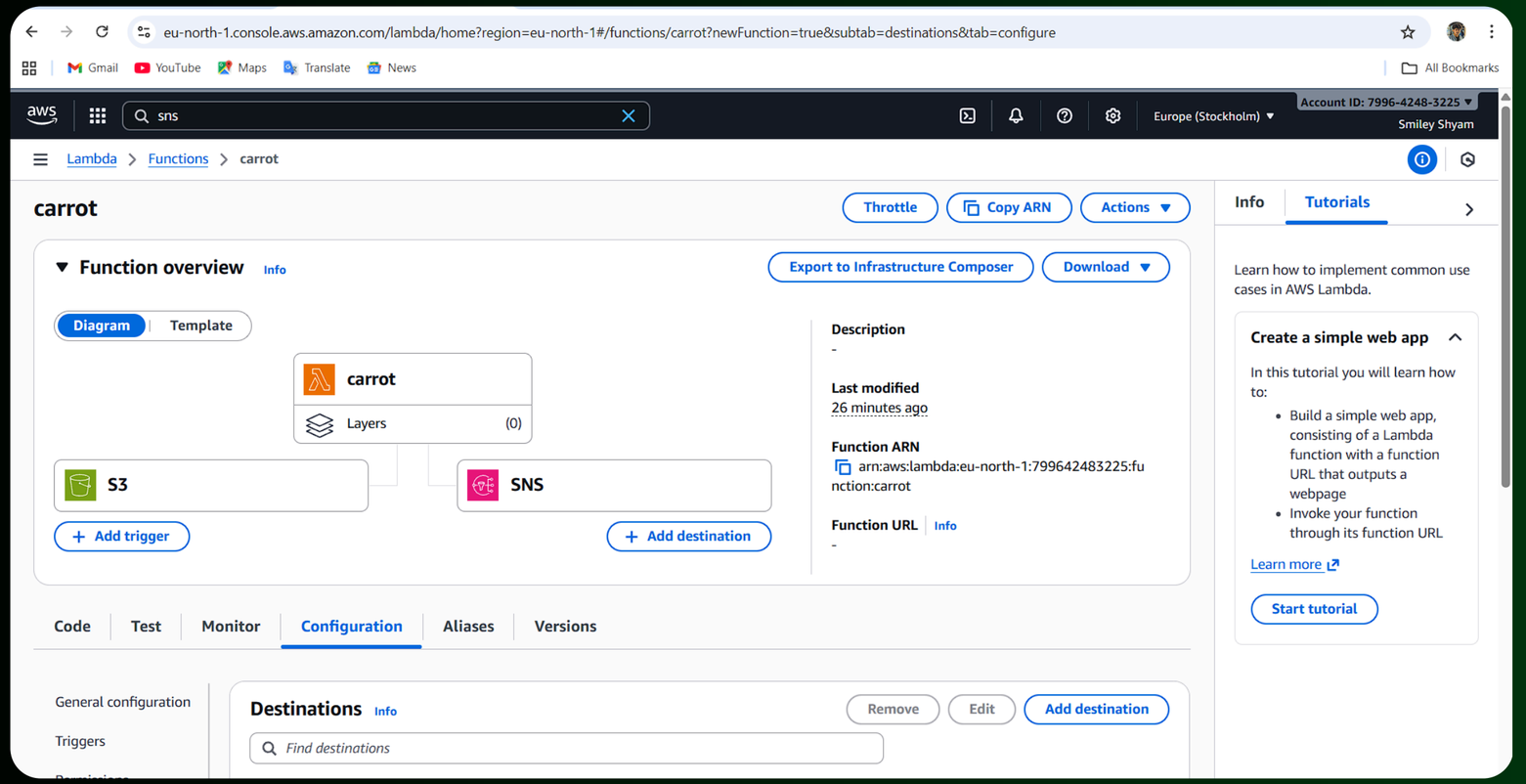


Script - 3



Script - 4





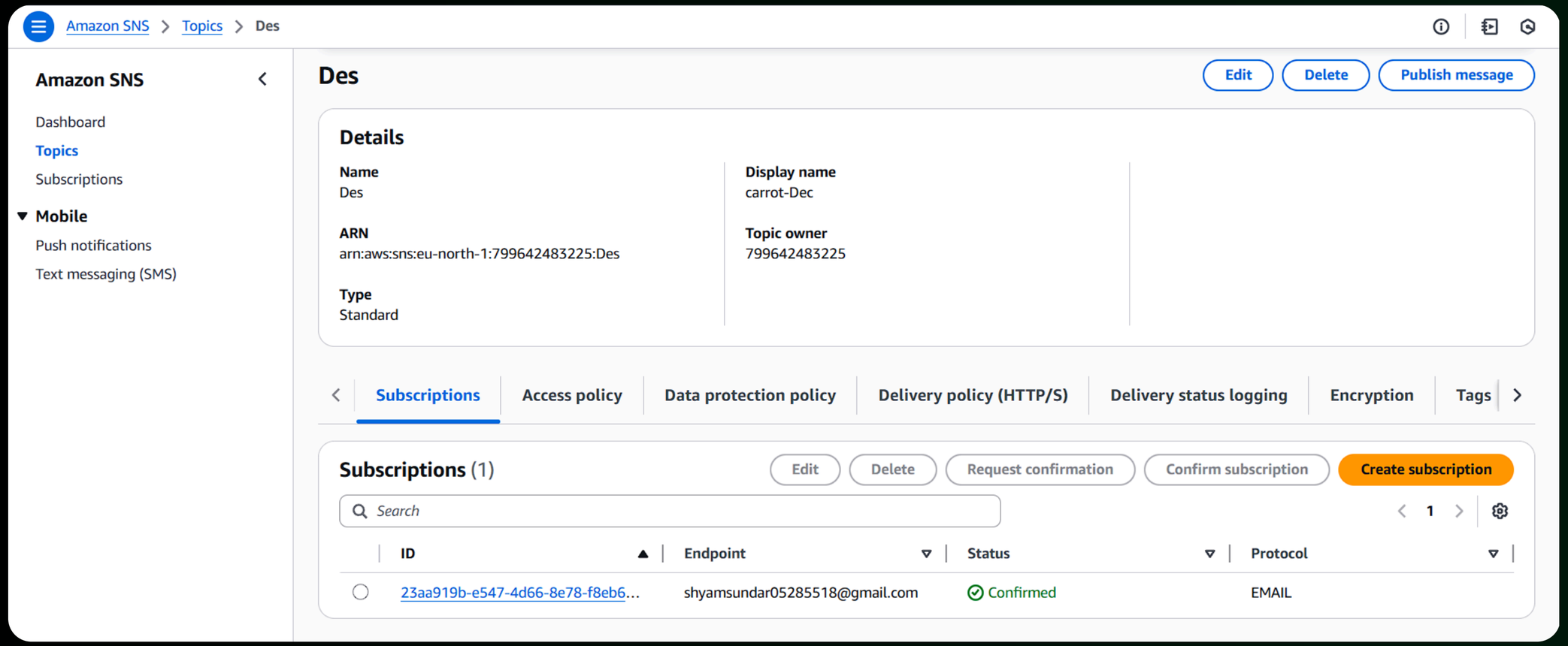
Lambda - Function

Create a Lambda function that connects to an S3 event source and delivers its output to an SNS destination, enabling asynchronous processing through the Lambda service.

Asynchronous

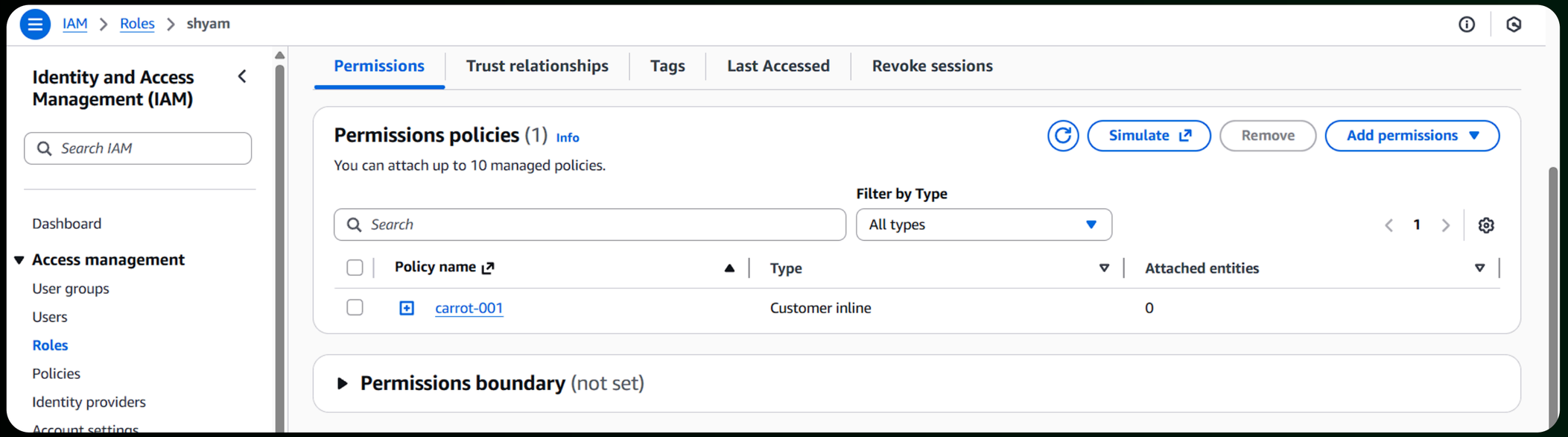
Simple Notification Service – (SNS)

Create an SNS destination to integrate with the Lambda function using the asynchronous invocation method. This setup allows the process to send notifications either by email or SMS to the selected recipient.

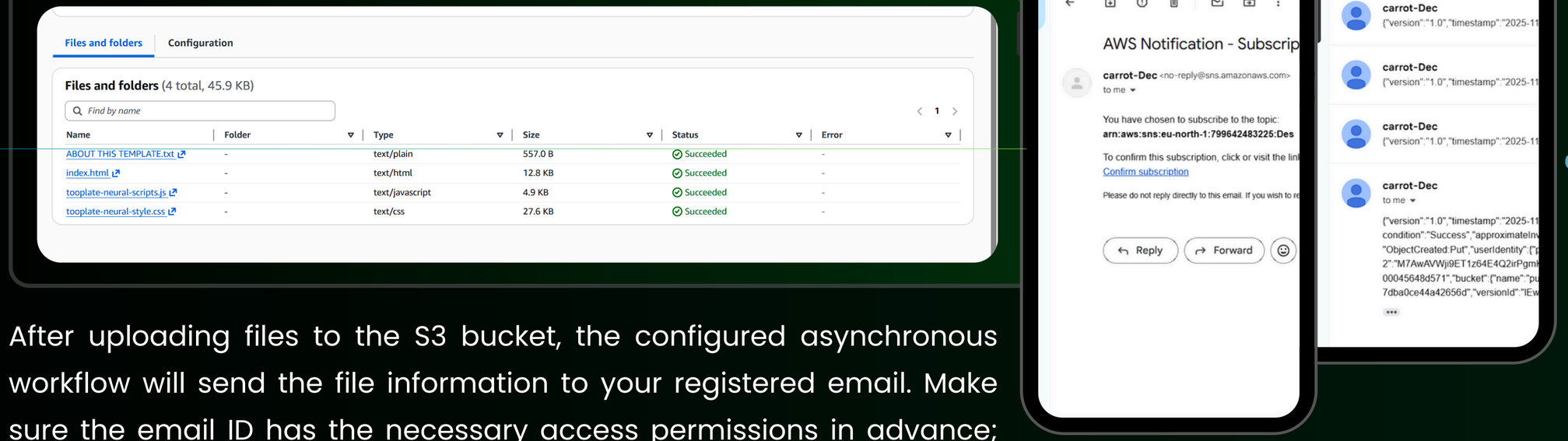


IAM - Roles

Configure appropriate IAM roles that enable S3 to connect with SNS via the Lambda function. Assign the required permissions—such as s3:PutObject and s3:DeleteObject—to ensure secure and seamless processing



Upload-s3 files



After uploading files to the S3 bucket, the configured asynchronous workflow will send the file information to your registered email. Make sure the email ID has the necessary access permissions in advance; otherwise, the notifications will not appear as expected

THANK YOU

FOR YOUR TASKS

Both Lambda tasks—synchronous and asynchronous—are successfully completed, including the EC2 instance setup and the S3-to-SNS workflow. Thank you for guiding me through the process.