Use case

Event-Driven Architecture with Lambda, SNS/SQS

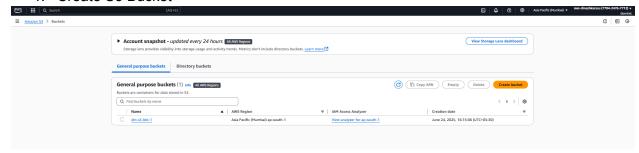
Use case Description

messages.

Upload to S3 triggers a Lambda function. Lambda sends a message to SQS. Another Lambda reads and processes SQS

Implement Dead Letter Queue (DLQ) for failure handling.

1. Create S3 Bucket



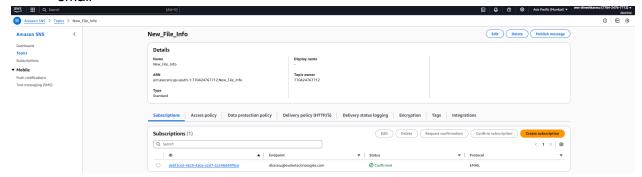
2. Create two Lambda functions one for Sending messages and the other for reading messages



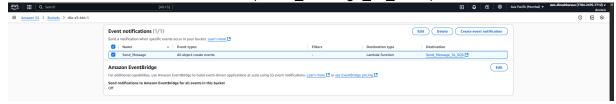
Create two SNS Queues one for storing the messages and other will be Dead letter queue for the first one



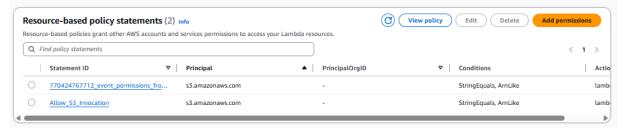
4. Create SNS topic to deliver the message over mail and confirm subscription with your email



5. Create Notification to Lambda (Send_Message_To_SQS) from the S3 Bucket



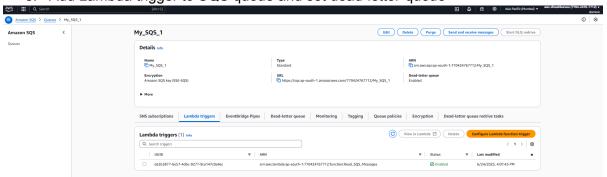
6. Add permissions to function Send_Message_To_SQS for S3 to invoke the function

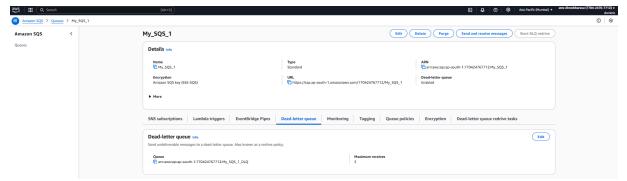


7. Write the following code to Lambda function



8. Add Lambda trigger to SQS queue and set dead-letter-queue

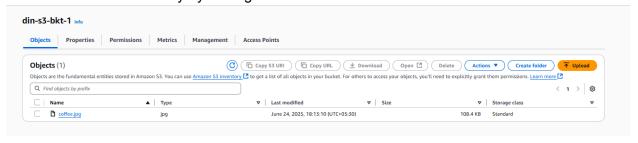




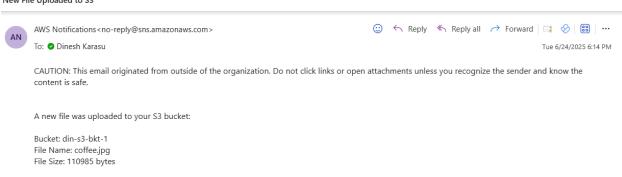
9. Write the following code to another lambda function



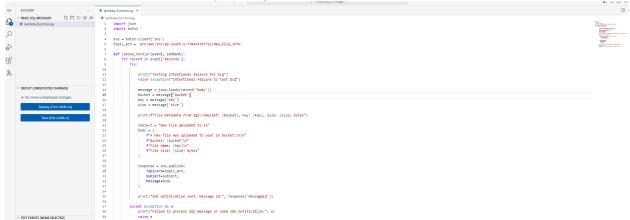
10. Test the functionality by adding a file to S3 bucket

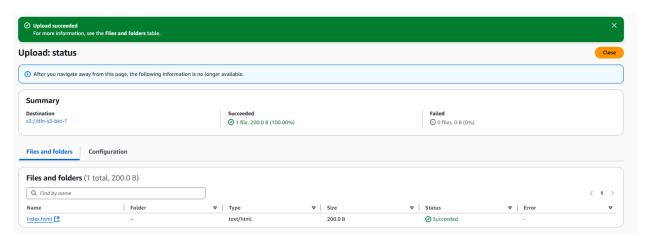


New File Uploaded to S3



11. Test Dead letter Queue by forcing the lambda to fail execution





Check the DLQ queue if there's a new file

