# 3\*\*. Serverless Data Processing Pipeline\*\*

Objective: Build a serverless pipeline for processing data (e.g., log processing or ETL jobs).

# Approach:

- Data Ingestion: Use AWS services like S3 or Kinesis to ingest data.
- Processing: Create Lambda functions to process the ingested data.
- Storage: Store the processed data in an appropriate AWS service, like S3 or DynamoDB.
- Monitoring: Set up CloudWatch to monitor the pipeline's performance and to log any issues.

**Goal**: Learn to build a serverless data processing pipeline, understanding the flow of data through various AWS services.

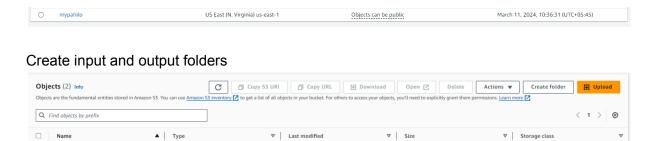
#### Create an S3 bucket

[] input/

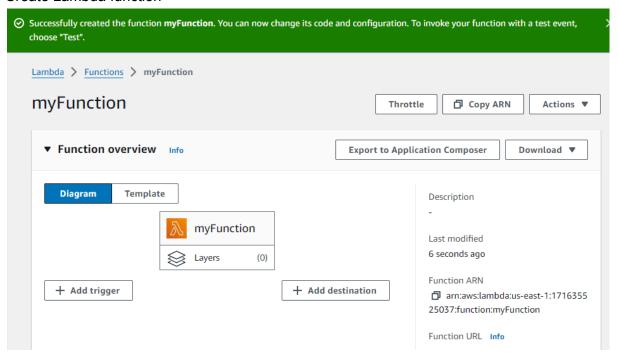
output/

Folder

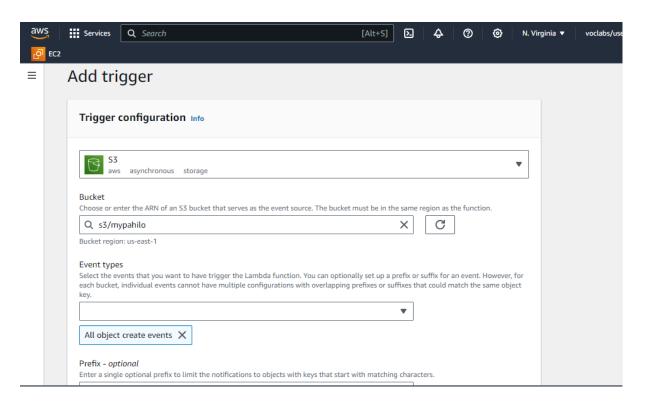
Folder



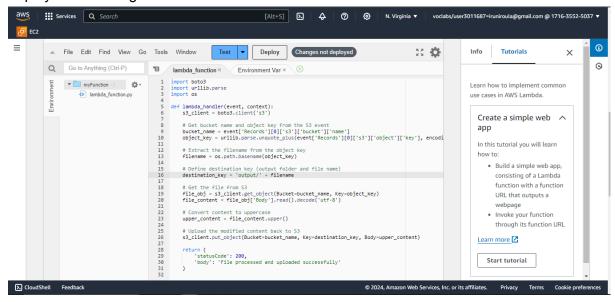
#### Create Lambda function



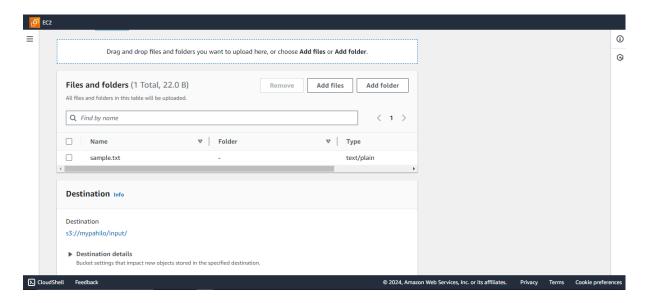
# Add S3 as trigger



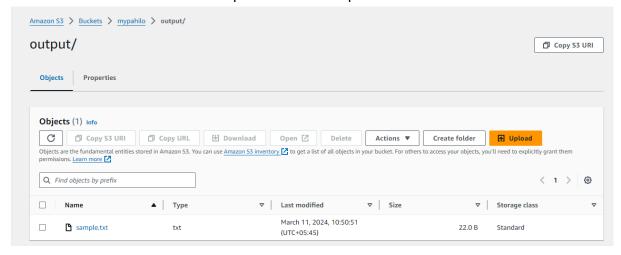
# Deploy the following code in the function



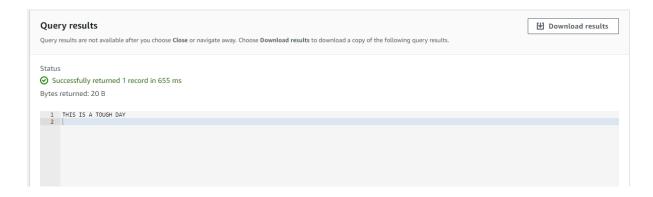
# Upload a sample txt file



As we can see the file has been replicated in the output folder



We have obtained the query result as follows:



The cloudwatch log events are as follows:

