**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.

Steps

1. Created two S3 bucket one for storage with new folder and one for backup with enabling public access.
2. Now created new Lambda function using lab role
3. Create S3 bucket trigger. Here prefix is folder name and suffix is file extension
4. Write a code.
   1. To trigger s3 bucket that when any file uploaded to a particular bucket it’s copy will be saved in another bucket.
   2. Also, capitalized data in the file and saved that file with updated name to the original bucket (1’st bucket)
5. Upload file to bucket.
6. Monitor CloudWatch through log groups

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated

A screenshot of a computer

Description automatically generated