3. Serverless Data Processing Pipeline

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

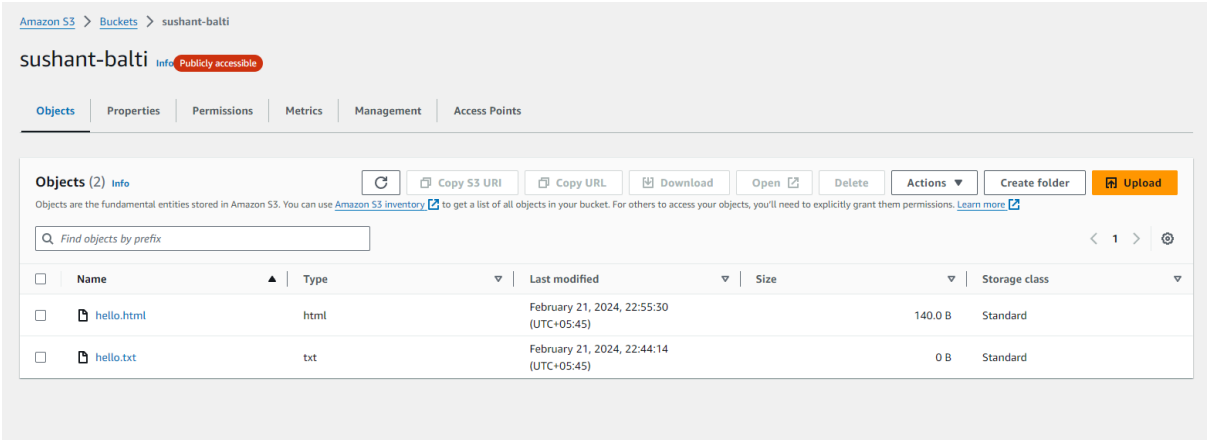
Approach:

- **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.

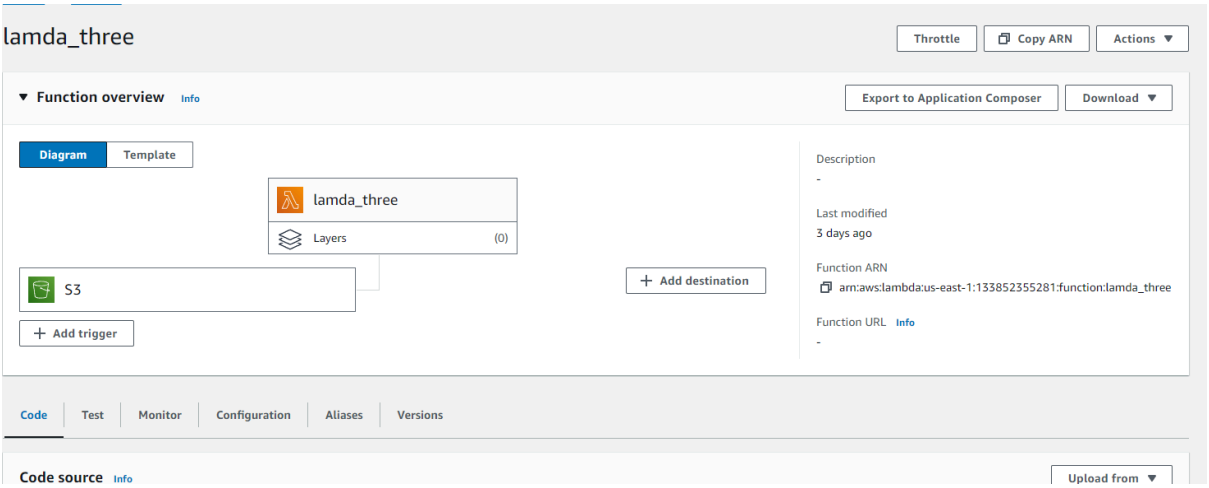
Goal: Learn to build a serverless data processing pipeline, understanding the flow of data through various AWS services.

Solution:

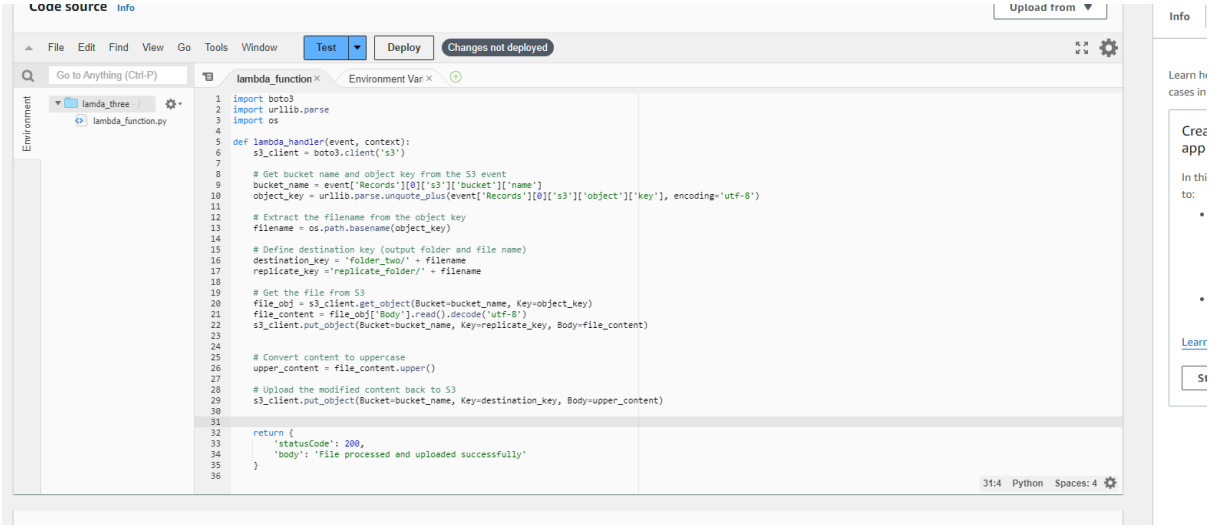
1. Bucket was created



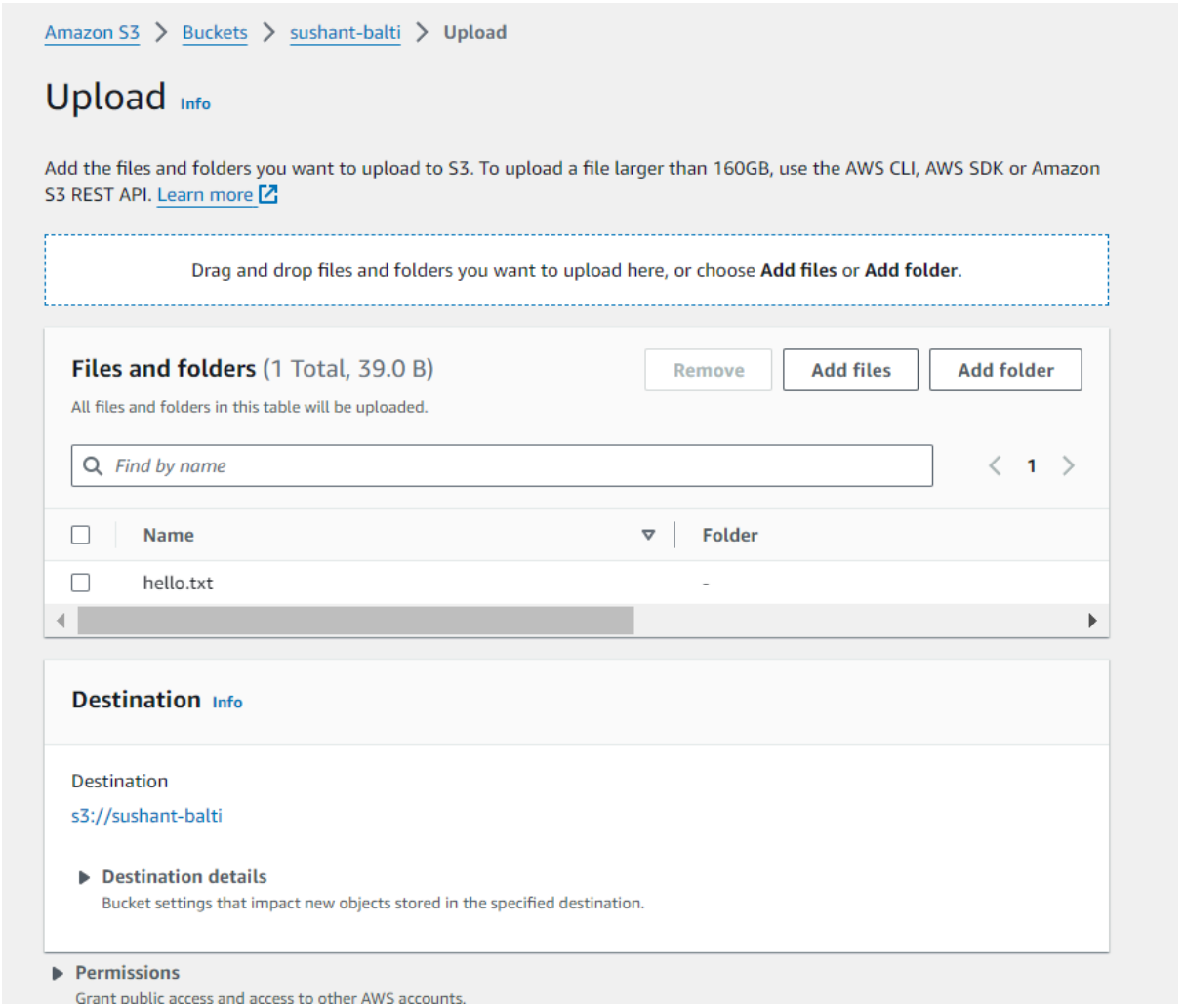
2. **Lambda function was created**



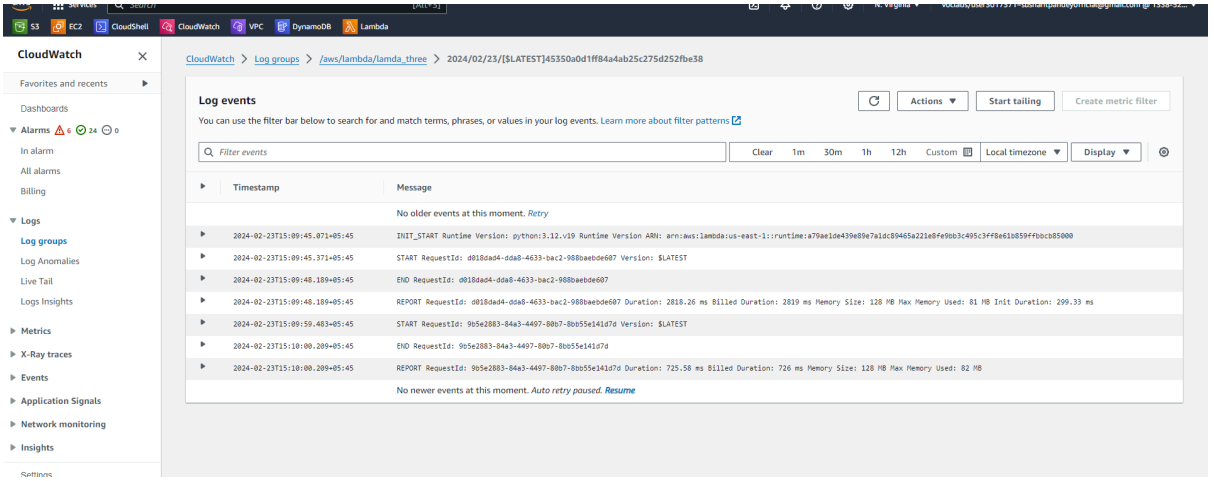
3. **Code was placed to transform the received data to upper case and it triggers when the file is uploaded to s3 bucket**



4. **Upload file to s3 bucket**



5. **Here is the log report from the cloud watch that lambda function was triggered successfully**



6. **Here is the query that our lower case data was successfully transformed to upper case**