Serverless Data Processing Pipeline

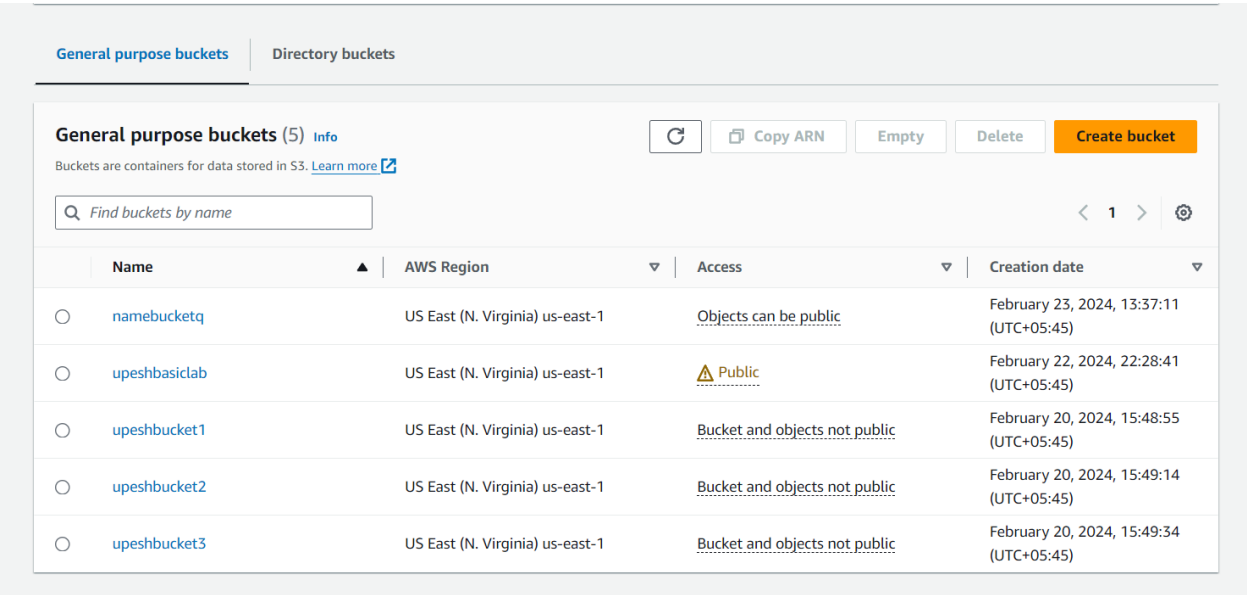
Objective: Build a serverless pipeline for processing data (e.g., log processing or ETL jobs).

Approach:

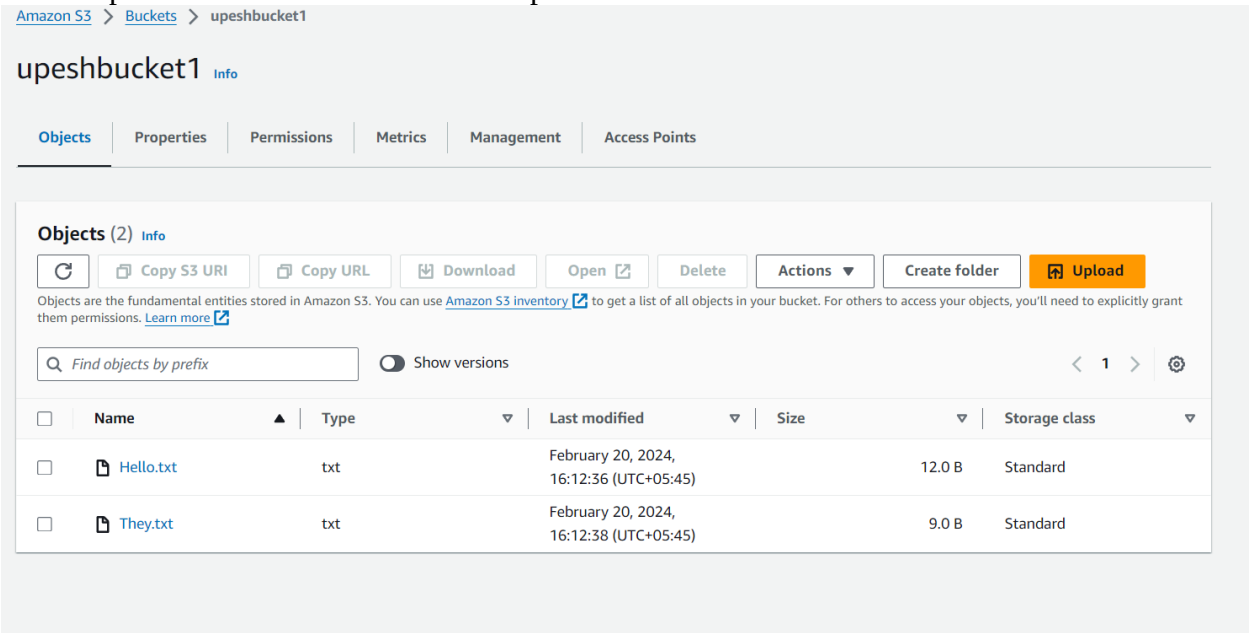
- **Data Ingestion**: Use AWS services like S3 or Kinesis to ingest data.
- **Processing**: Create Lambda functions to process the ingested data.
- **Storage**: Store the processed data in an appropriate AWS service, like S3 or DynamoDB.
- **Monitoring**: Set up CloudWatch to monitor the pipeline's performance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

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

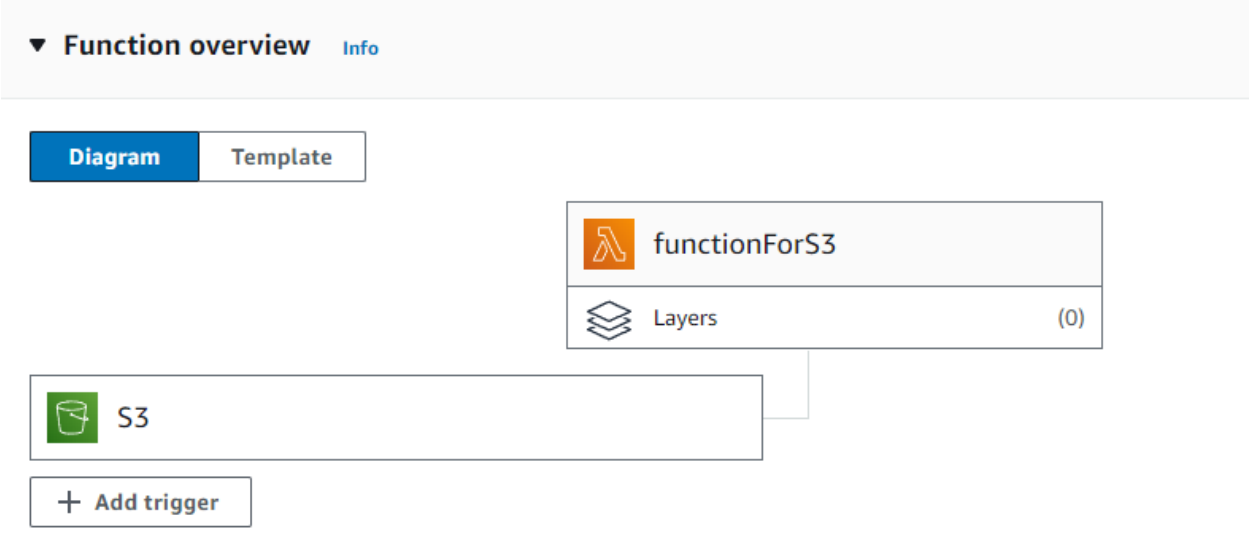
1. First of all I created 3 different buckets namely Upesh bucket 1 2 and 3 respectively.



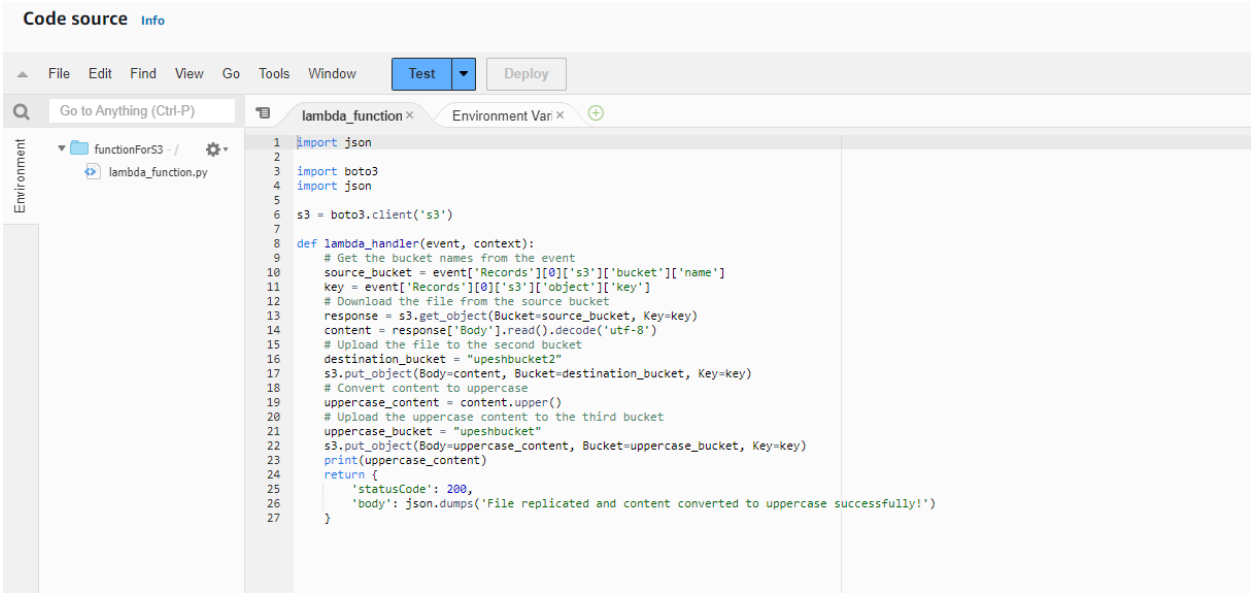
2. Then I uploaded files in the first bucket upeshbuket1



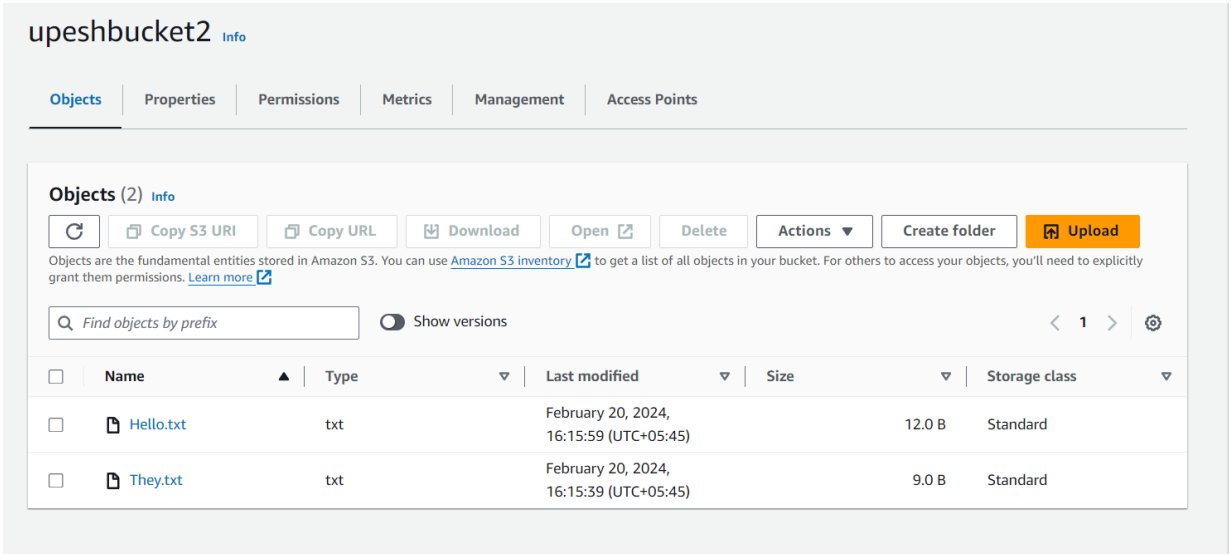
3. Create a lambda function



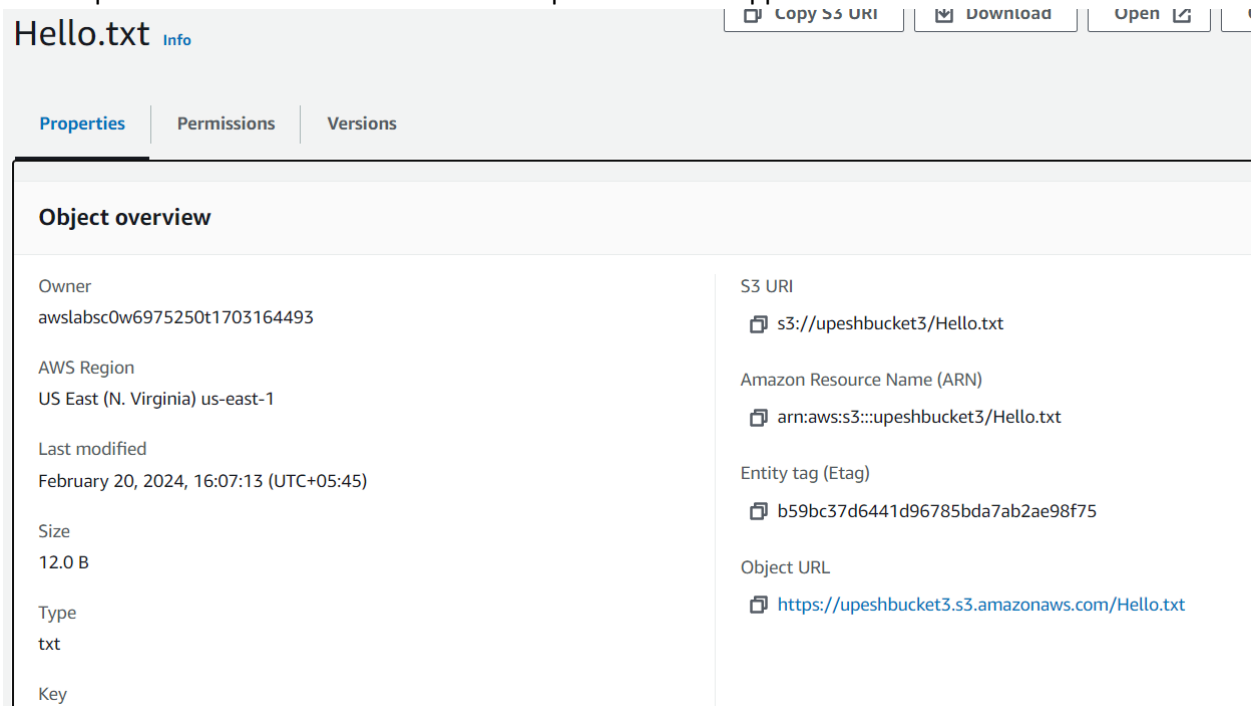
4. I used the code to upload object in 1st bucket and the object would be replicated in the 2nd bucket. Where the 3rd bucket will have all the files in Uppercase.



5. In the bucket 2 we can see that the bucket is now replicated from the first bucket



6. In the upeshbucket3 now the files should be uploaded in the Uppercase characters. So



7. When we see the Hello.txt file we can see that all the characters are now in Uppercase characters.