# Task 1:

1. Connecting to API to extract the data to system

2. Extracted data to be stored on S3

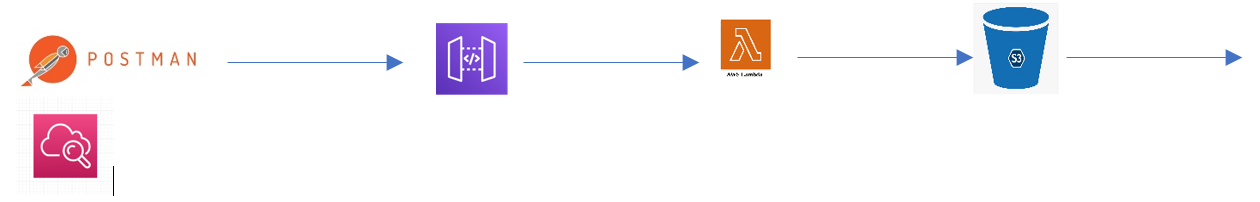
3. Consider it as application which involves : development, deployment, monitoring.

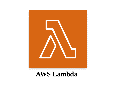
# Requirements:

* API Gateway
* JSON file with sample data
* AWS lambda
* S3 Bucket

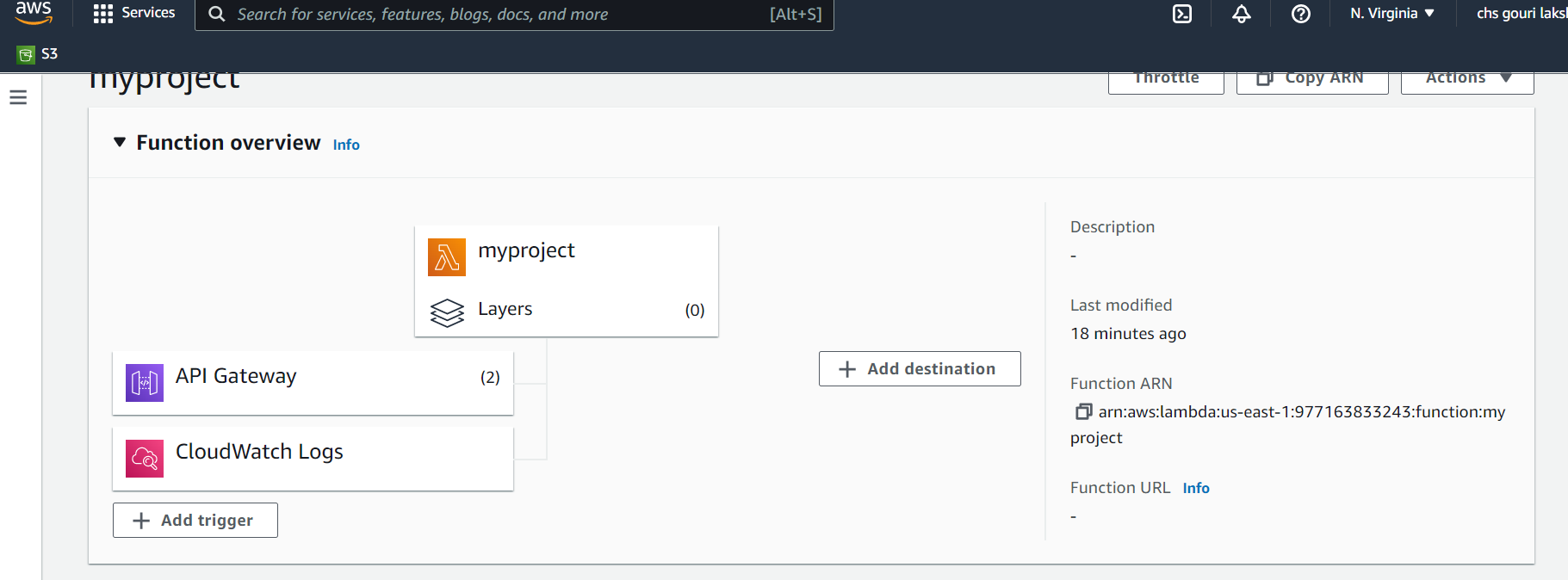
# Architecture:

Postman – API Post –API Gateway – Trigger AWS Lambda – Stores data in –S3—Cloud watch

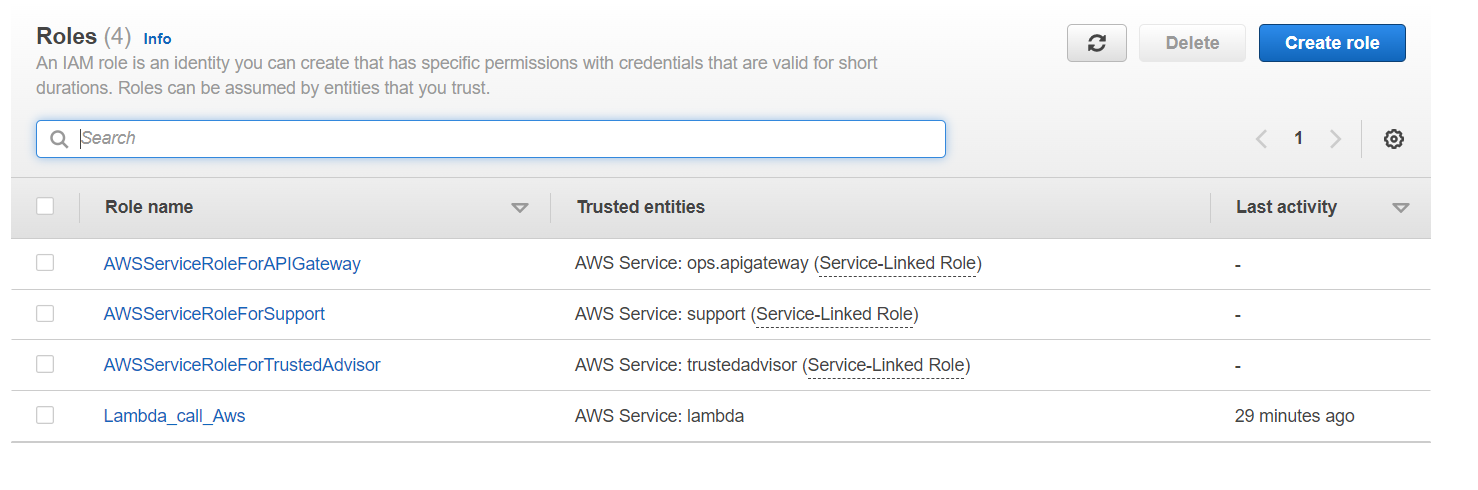


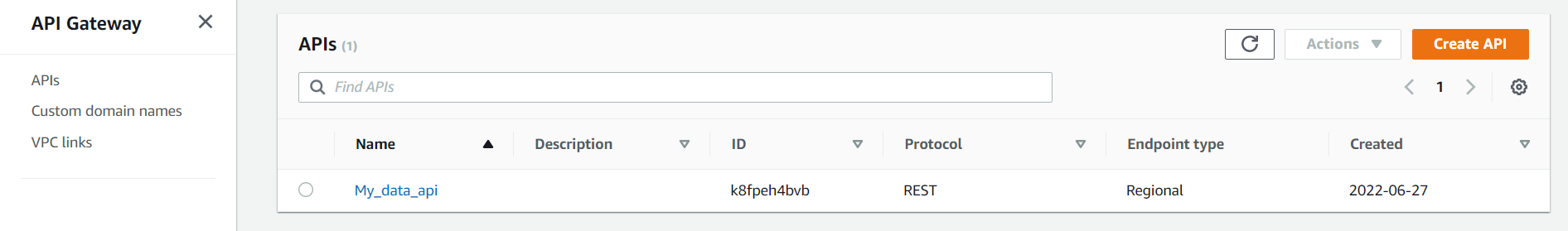
# Logic Implemented:

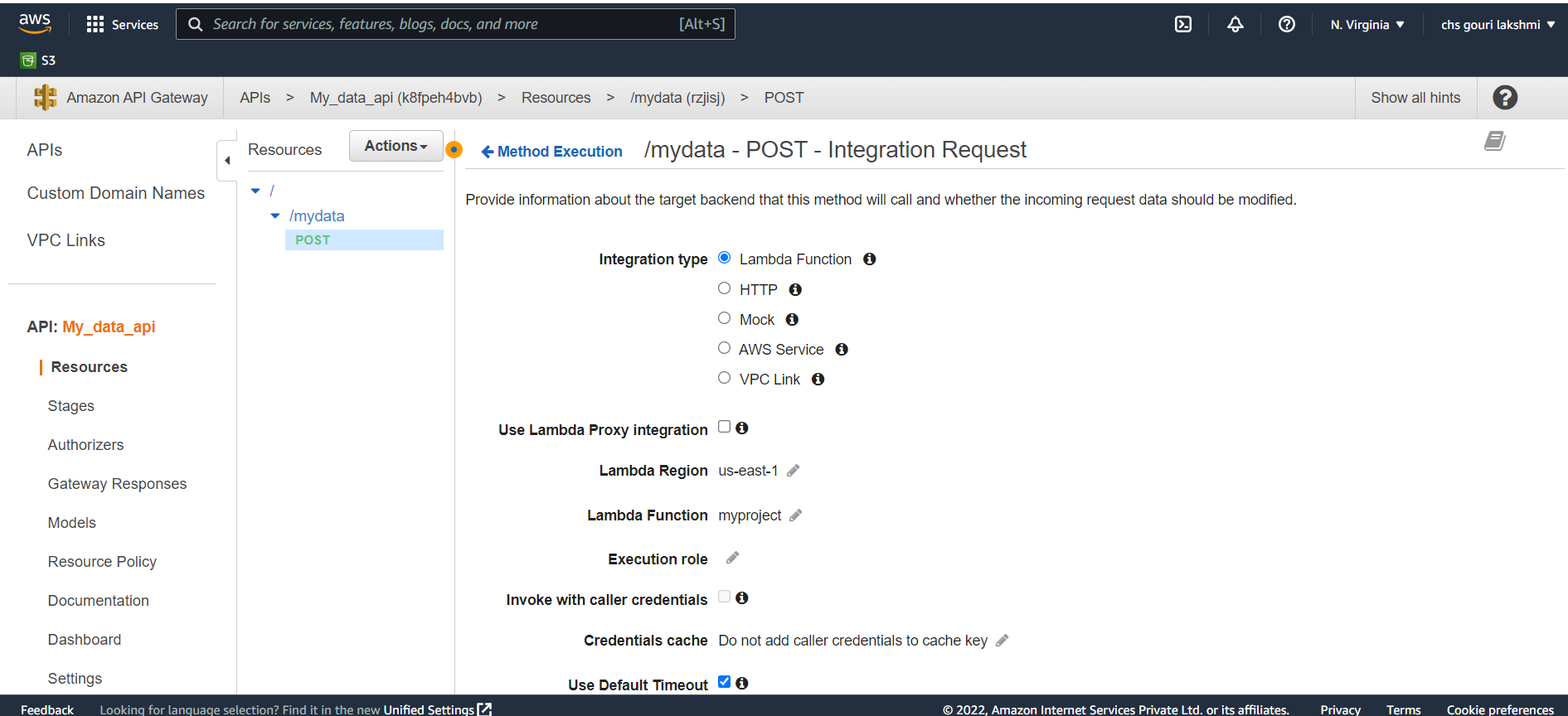


1. Creation of IAM role which requires Lambda basic access and S3 full access.

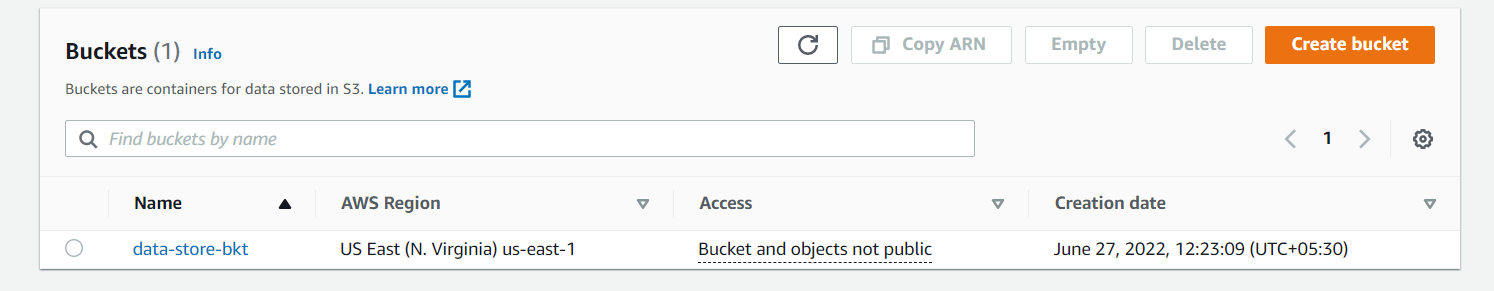


2. Create API Gateway that integrates with Aws Lambda functions

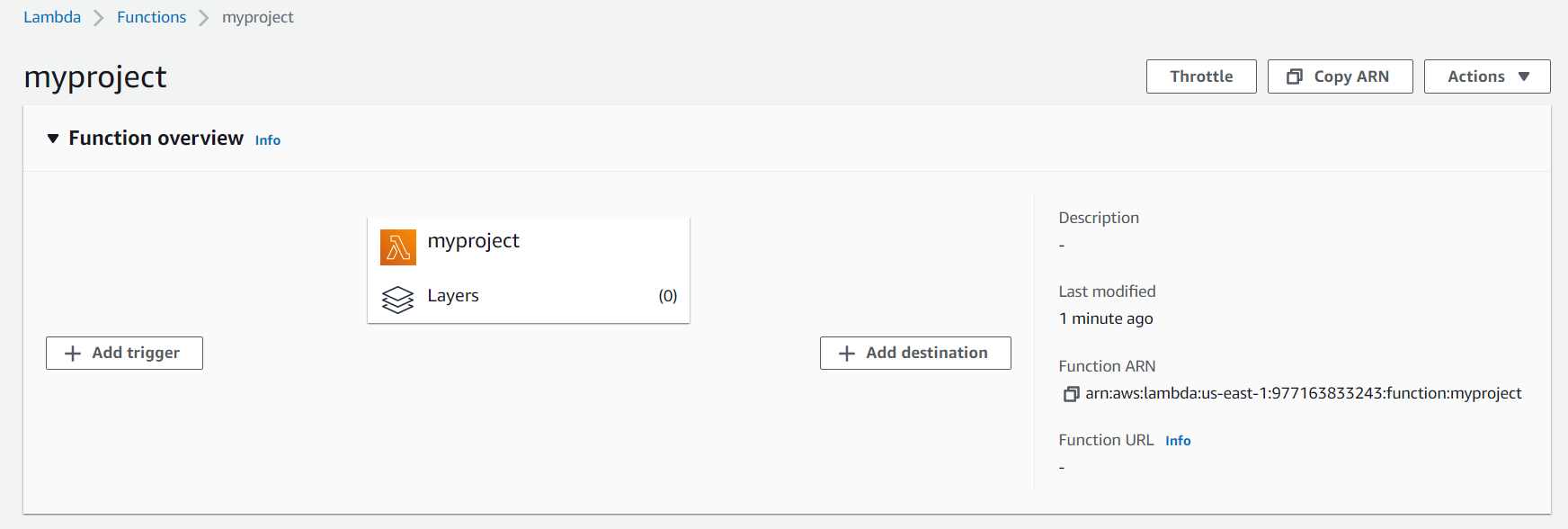




2. Create S3 bucket

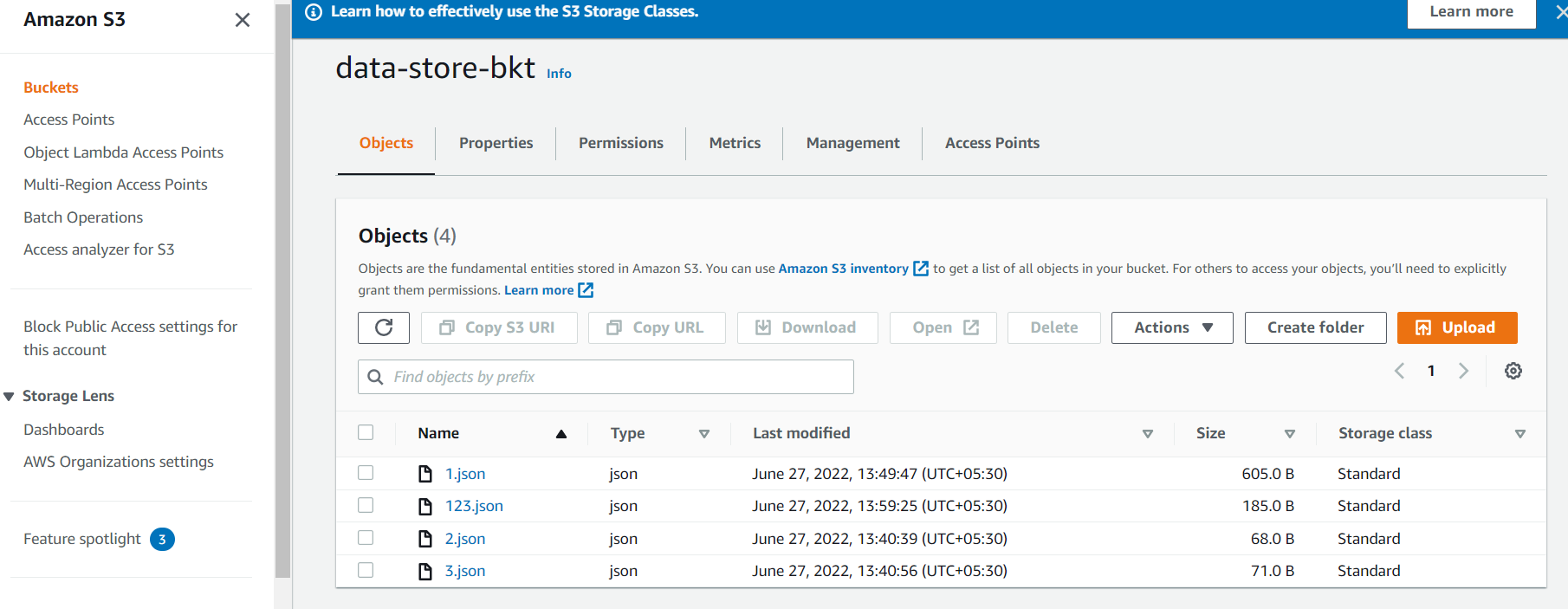


2. Create a function in AWS Lambda and attach the role that we have created.



Code Developed: 

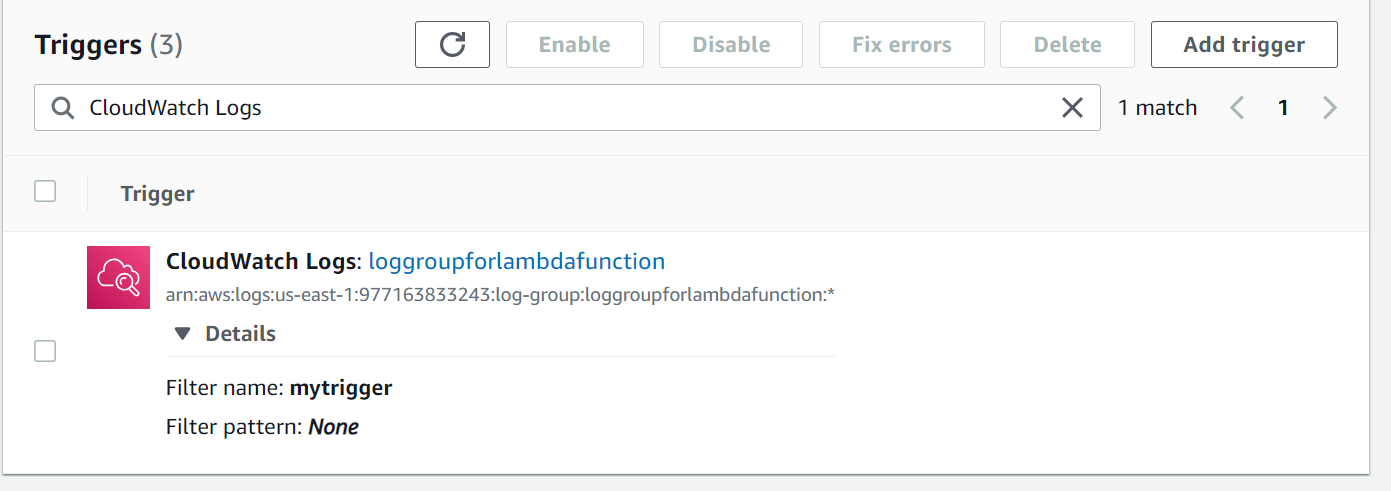
After deploying the code the files got stored in:



# Monitoring:

I have created clod watch log group for monitoring of the application logs.

And then attached log group to the Lambda function.



Sample data I have taken:

{

"NumberofRecords": "123",

"person1": [

{

"first": "Nicole",

"last": "Adelstein"

}

],

"person2": [

{

"first": "Pleuni",

"last": "Pennings"

}

],

"person3": [

{

"first": "Rori",

"last": "Rohlfs"

}

]

}

