Serverless Rest API for product user’s IDs.

1. Created a DynamoDB Table in AWS

2. Created CloudWatch and DynamoDB full access IAM roles

3. Created a Lambda function and attach the role above

4. Created API Gateway, configured resources and methods for it.

5. Deployed the API Gateway

Resources:

<https://docs.aws.amazon.com/lambda/latest/dg/services-apigateway.html>

<https://boto3.amazonaws.com/v1/documentation/api/latest/guide/dynamodb.html>

<https://aws-lambda-for-python-developers.readthedocs.io/en/latest/02_event_and_context/#event>

API endpoints:

Retrieve the item with the specified name

/item/<name> (GET)

Required request data params: id=[string] item\_url=[string]

Example:

**Invoke URL:**  <https://pmww3cg8i5.execute-api.us-east-1.amazonaws.com/dev/customer?id=1>

Create a new item, or update an existing one

/item/<name> (PUT)

Example:

**Invoke URL:**  <https://pmww3cg8i5.execute-api.us-east-1.amazonaws.com/dev/customer>

*Request body: {*

"id": "foo",

"name": "foo2"

}

"item\_url"**:**  <https://pmww3cg8i5.execute-api.us-east-1.amazonaws.com/dev/customer?id=foo>