Module	Assessment Type
Distributed and Cloud Systems Programming	Individual Report

Workshop 4

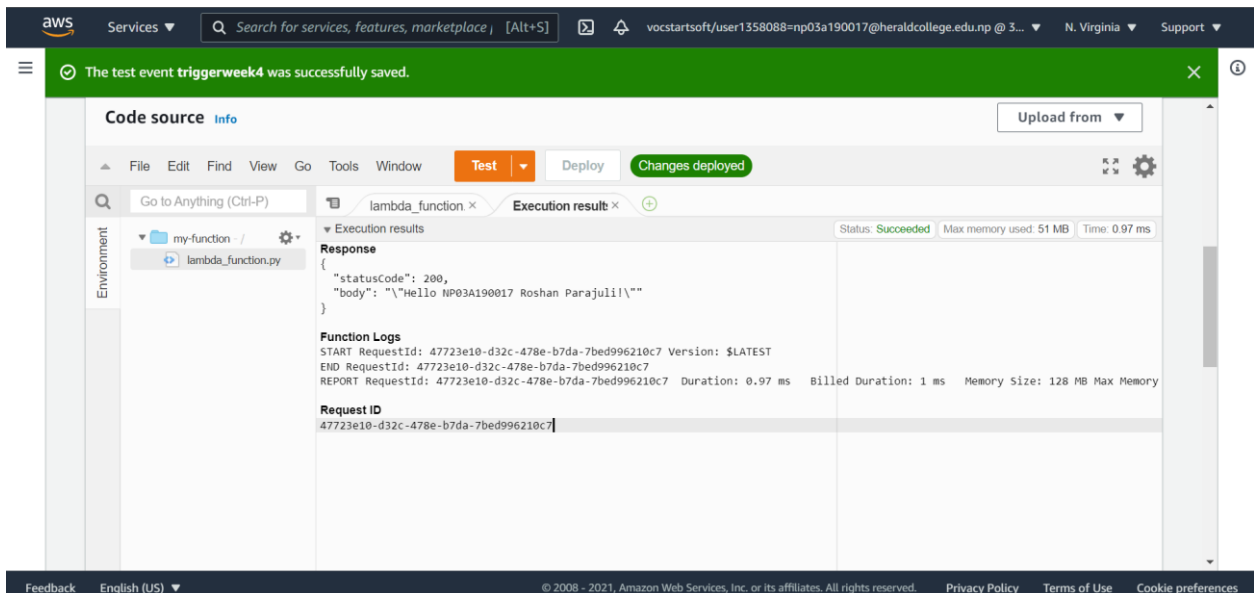Student Id   : 2049867 (NP03A190017)

Student Name   : Roshan Parajuli

Section   : L5CG3

Module Leader   : Rupak Koirala

Lecturer /Tutor   : Saroj Sharma

Submitted on   : 2020-04-06
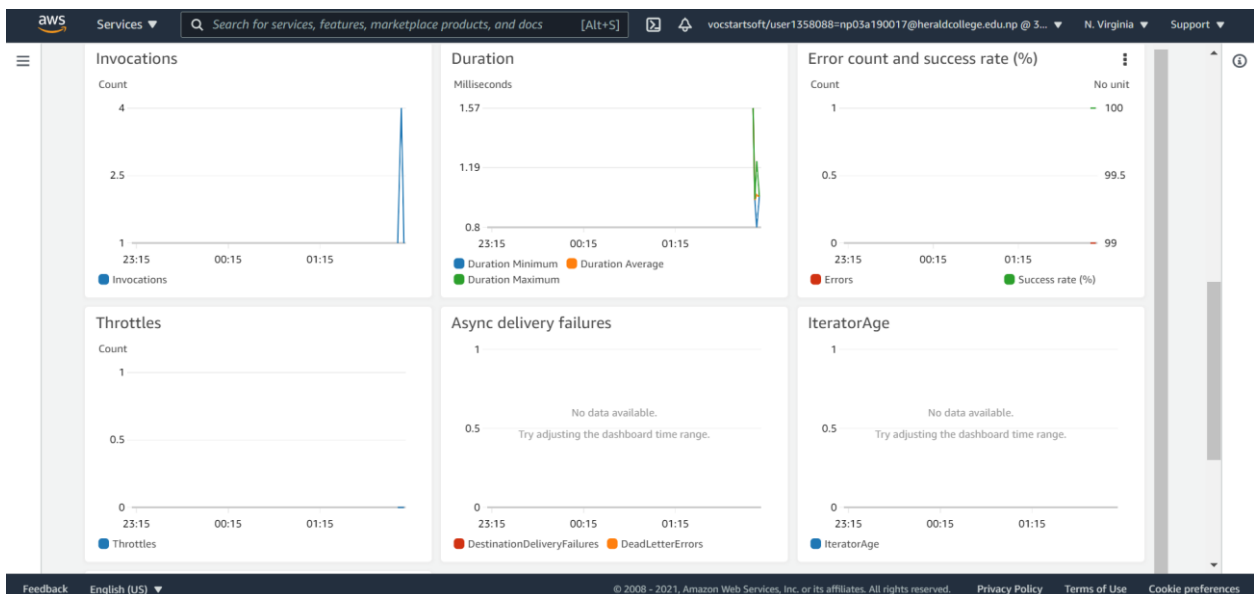
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Task 1: Creating a Lambda Function in the Lambda Console

1.1.   Lambda function execution

A lambda function is made and executed successfully as the status code returned is 200 and the expected body is returned.
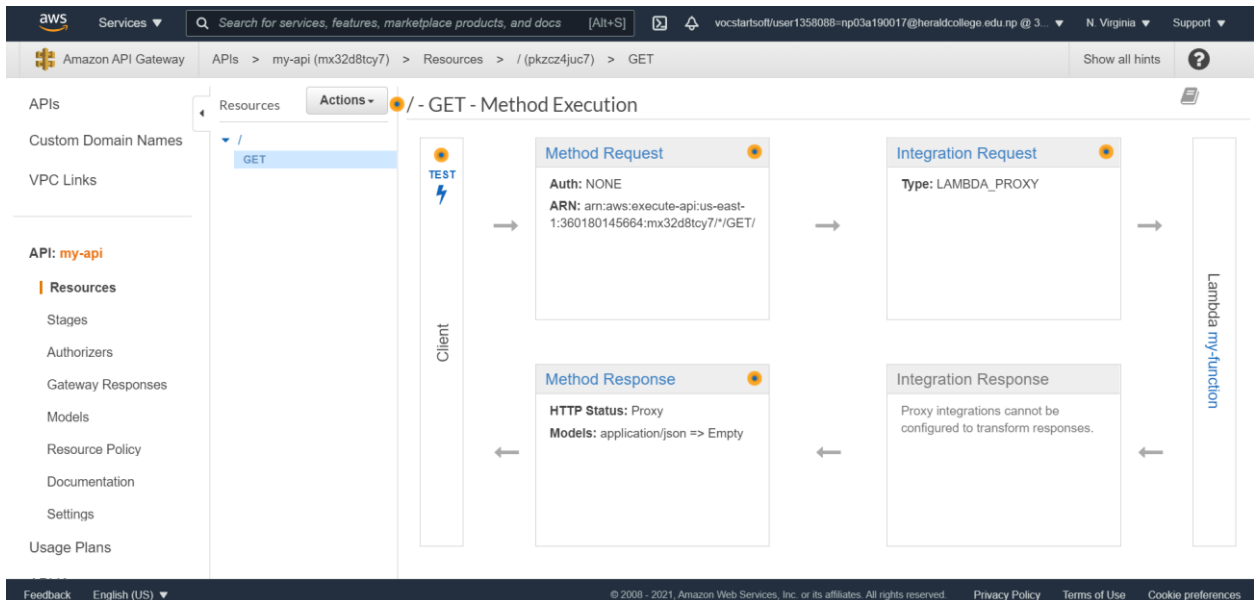
1.2.   Monitoring the metrics

The metrics are monitored in the given screen. Some of the metrics are not available due to the time range issue.
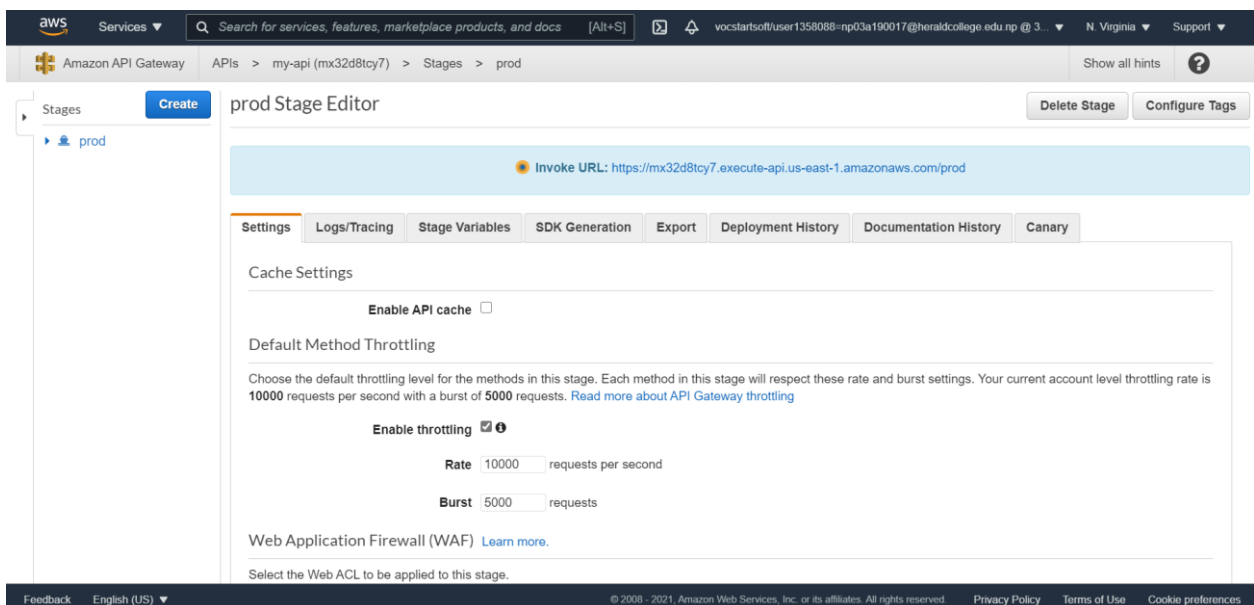
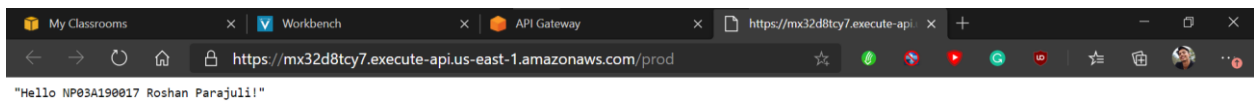## Task 2: Creating a REST API in the API Gateway Console

A simple REST API is created along with a GET method for fetch the data and the permission was granted for it to invoke the lambda function.

Task 3: Deploying the REST API

After the API was configured along with a get method, an invoke URL was received which was then noted and visited. Upon visiting it, the lambda function was triggered, and the appropriate output was received.

`"Hello NP03A190017 Roshan Parajuli!"`

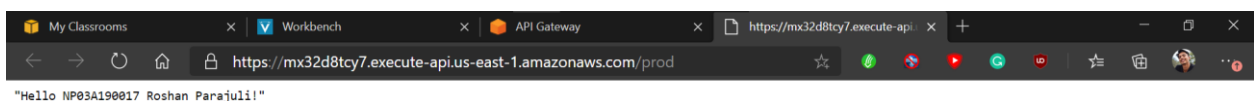## Task 4: Creating a second lambda Function in the Lambda Console

A new lambda function was created which was configured to return the parameter which was provided to it in the event that triggers it.

Task 5: Adding a resource, method, and parameter to the REST API in the API Gateway Console

Here, A child resource was created in the root resource (/). A new GET request method was made and then binded with the second lambda function that was created. After that mapping templates was configured so that passes itself o the Lambda function in the body of the input event object. It was then deployed.

Task 5: Testing the REST API

Test 1:

`"Hello NP03A190017 Roshan Parajuli!"`

Test 2:

{"statusCode": 200, "body": "\"Hello Roshan Parajuli from API Gateway\""}

{"statusCode": 200, "body": "\"Hello Roshan Parajuli from API Gateway\""}