Karthik Pradeep Hegadi

2KE20CS032

Assignment 48

Understood. To follow the provided instructions and create the files/directory using the same name and case as provided in the task steps, please provide me with the specific names and case instructions for the files/directory you want to create.

AWS

==========

Assignment: 1 : Serverless computing using AWS LAMBDA

==========

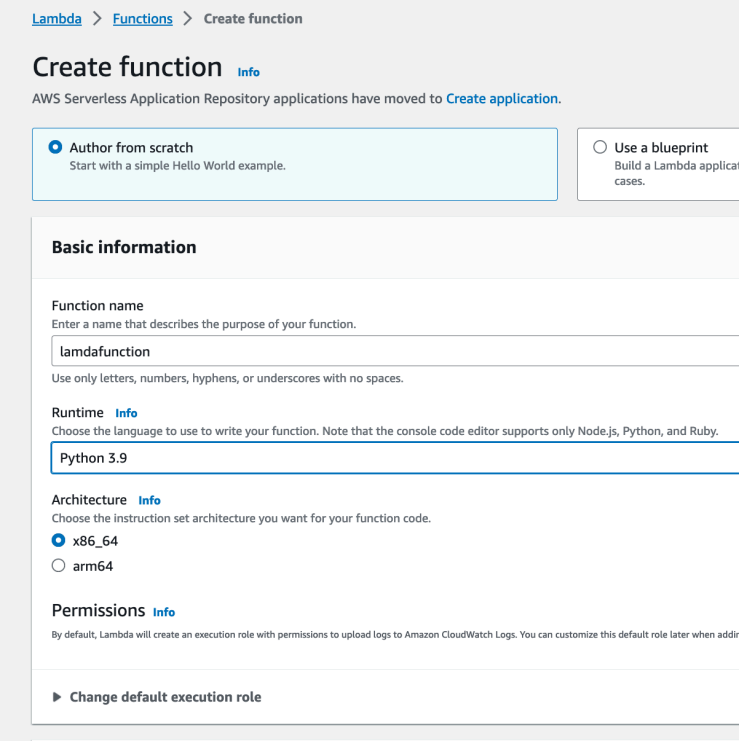
Overview:

1.Deploy code in AWS lambda

2.Create and invoke API for lambda function

Code deployment using AWS Lambda

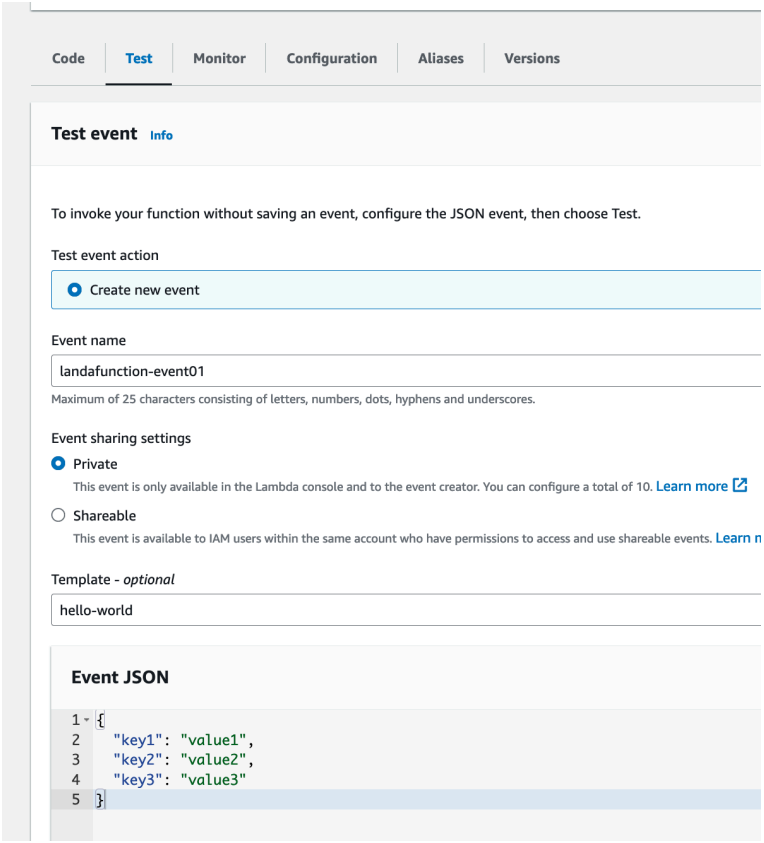
1. Navigate to Lambda page and click on create function
2. Provide the function name
3.Select the Runtime as python 3.9
4.Click on create function and it should be created successfully



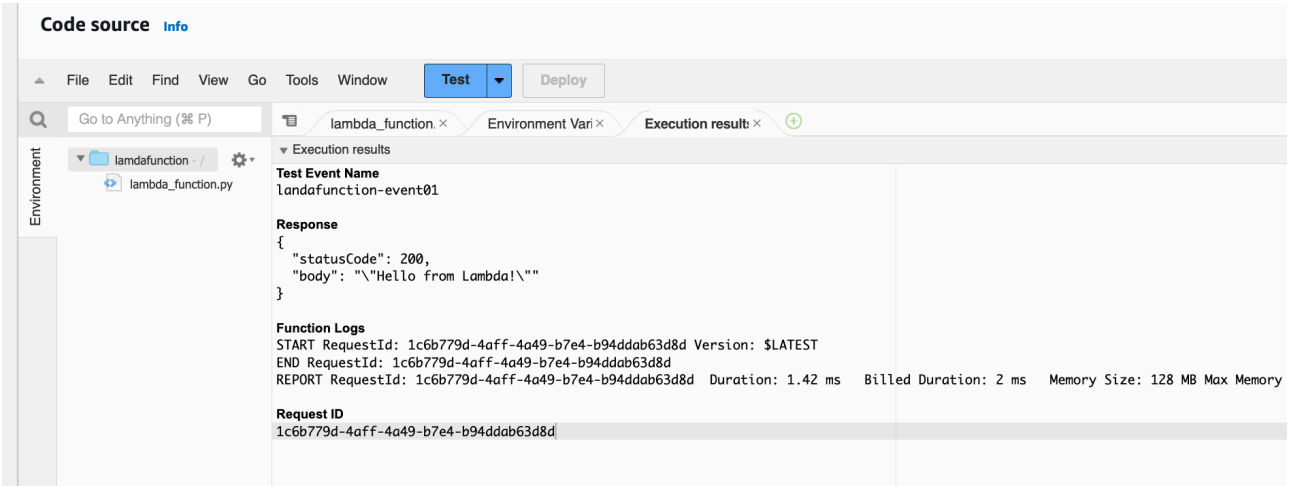
5.Scroll down and you can see a sample python code that you can use it for the deployment

6.Go to test tab to create a new event, provide the event name and click on save event and the event will get saved

7. Now navigate back to the code tab and click on test

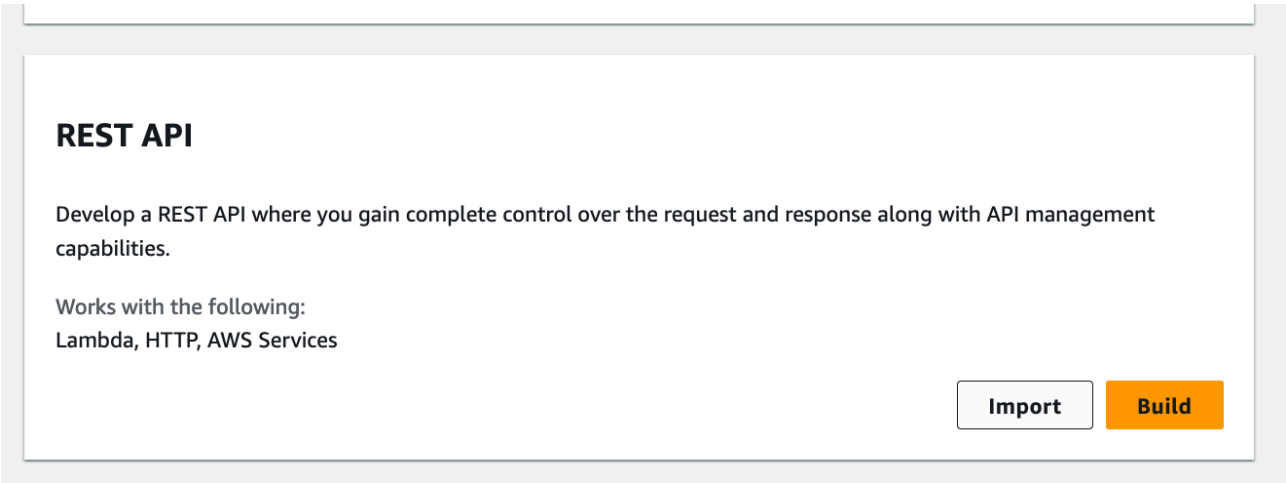


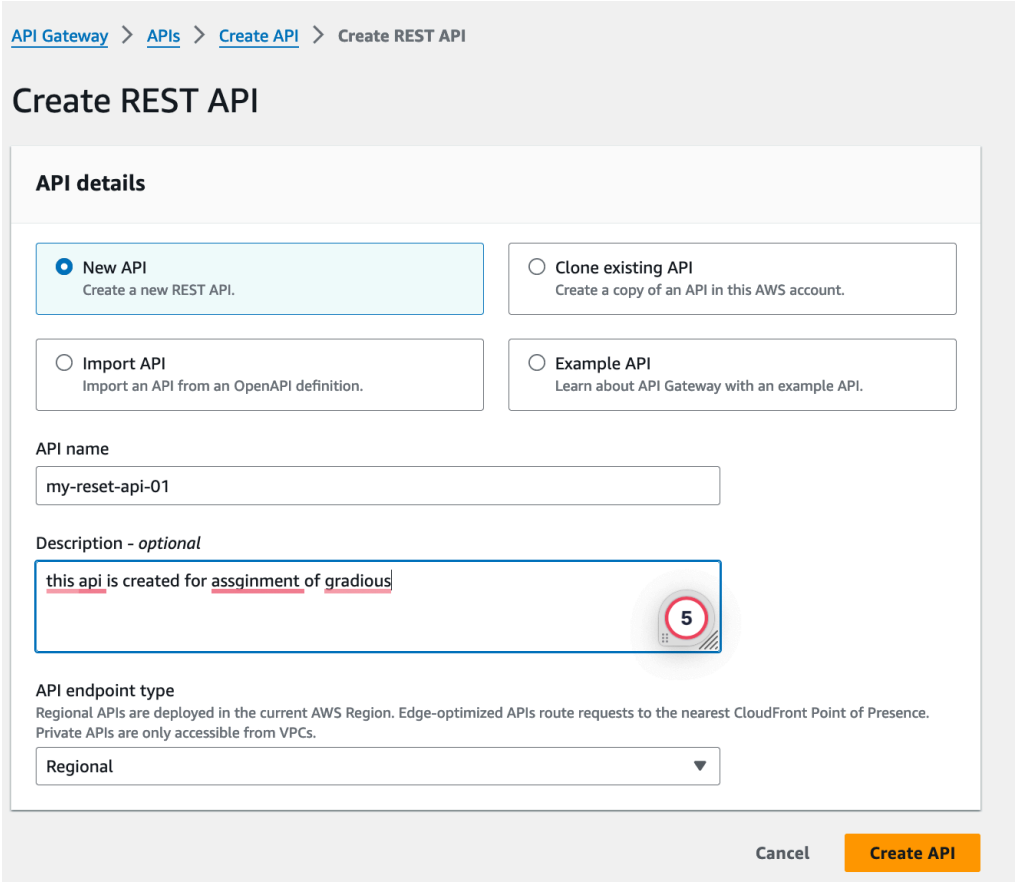
8. You will get the execution results as below

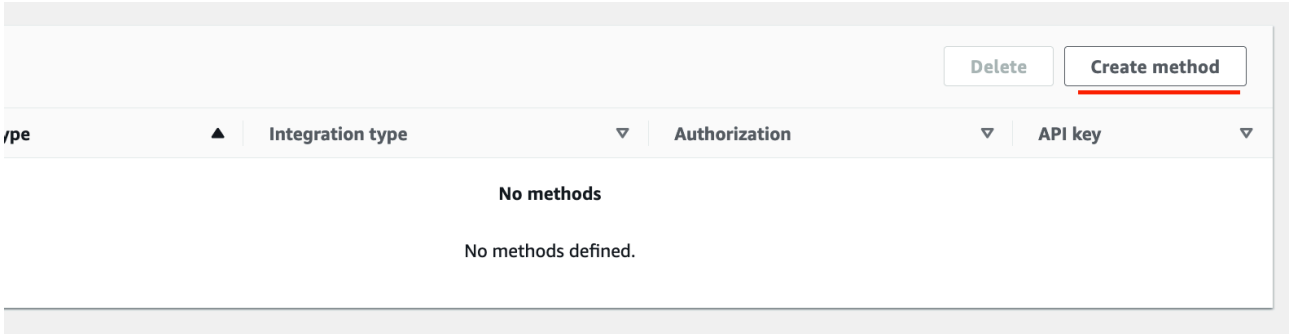


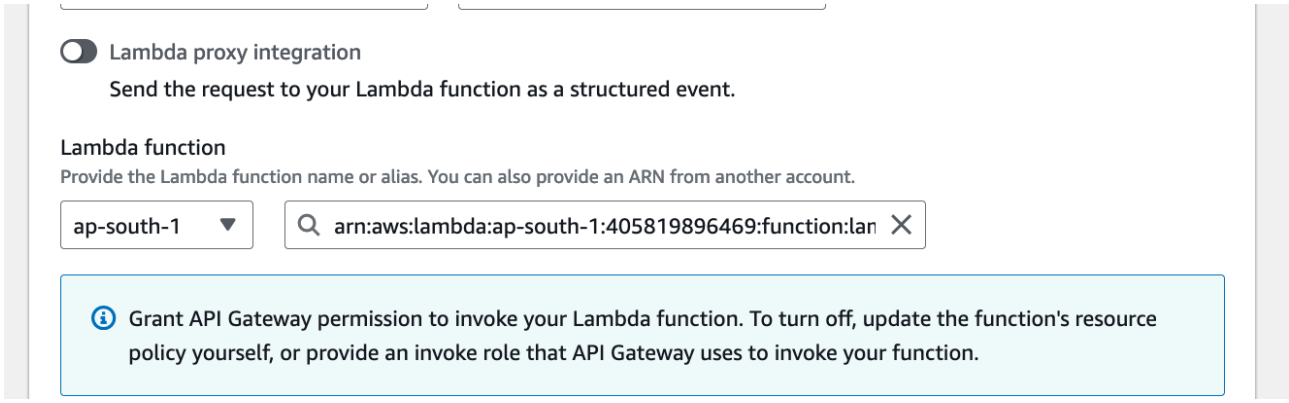
Confiqure REST API to call the lambda function

1. Navigate to API gateway dashboard
2.Scroll down and select Build option on REST api in the API type
3.Click on New api, provide the api name, description and click on create API you will get a response as below

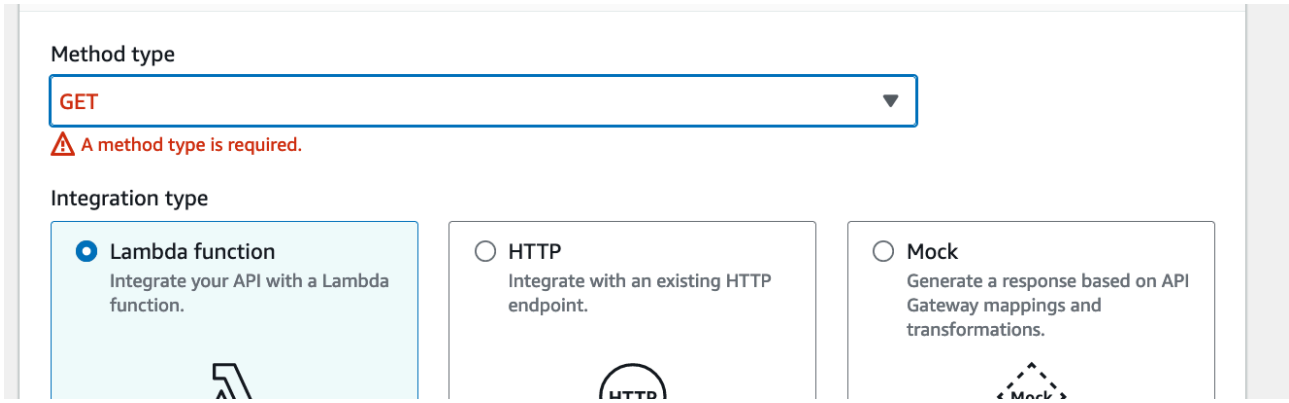




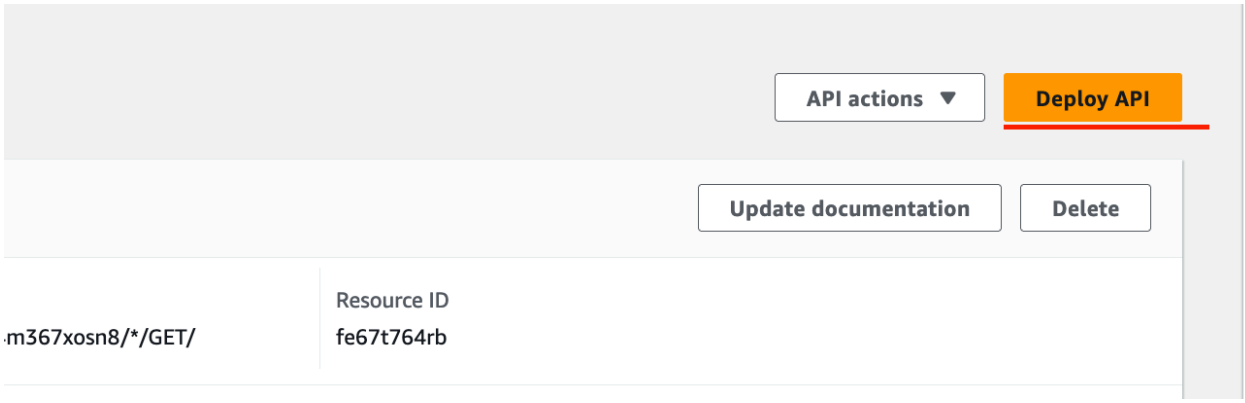




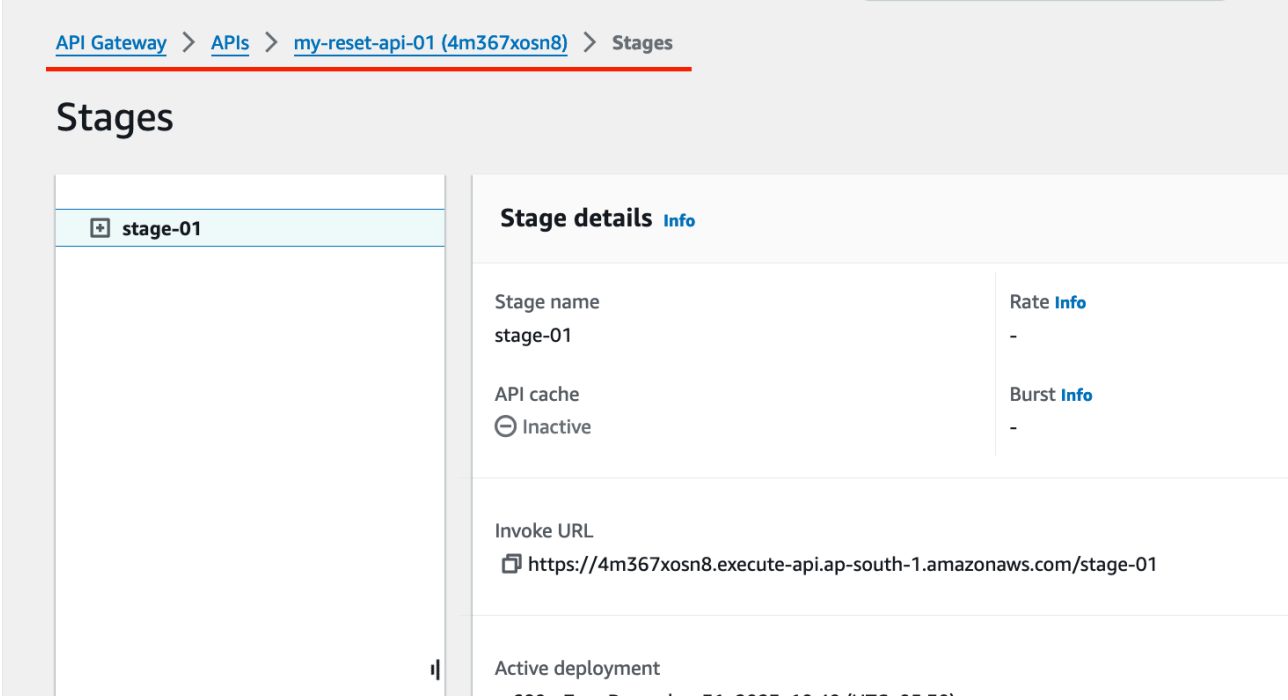
4.Navigate to Actions and click on 'Create Method' and select GET from the resource dropdown and click on tick mark



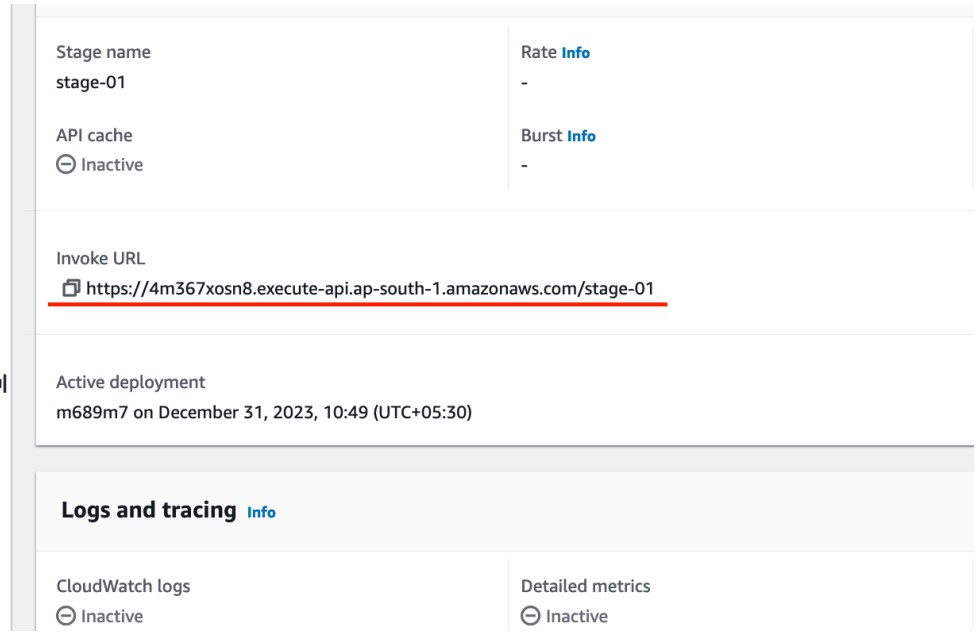
5. In the LAMBDA function text box type the lambda function that you have created before and leave remaining all settings as default
6.Click on Save and then click 'OK' in the prompt
7. Resource will be created and you will get a response as below
8. Click on Actions and click on Deploy API

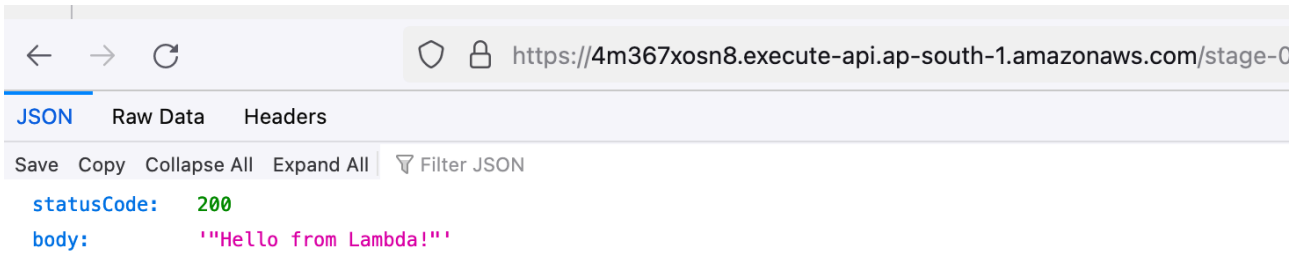


9. Select the Deployment stage as New stage, provide the stage name, stage description, and deployment description and click on deploy



10. You will get a response page as below
11. Now click on the Invoke ur and you will get the function invoked using REST API


Stage name
stage-01
Rate Info
-
API cache
Inactive
Burst Info
-
Invoke URL
https://4m367xosn8.execute-api.ap-south-1.amazonaws.com/stage-01
Active deployment
m689m7 on December 31, 2023, 10:49 (UTC+05:30)
Logs and tracing Info
CloudWatch logs
Inactive
Detailed metrics
Inactive


https://4m367xosn8.execute-api.ap-south-1.amazonaws.com/stage-0
JSON
Raw Data
Headers
Save
Copy
Collapse All
Expand All
Filter JSON
statusCode: 200
body: '"Hello from Lambda!"'