Serverless lab

Sns integrate

Post method
Get method

Triggers (1) Info

[🔄] | Fix errors | Edit | Delete | Add trigger

🔍 Find triggers

< 1 >

☐ | Trigger

☐ **API Gateway**: testFunction-API
   arn:aws:execute-api:us-east-1:304064102356:4cnseh03w7/*/*/testFunction
   API endpoint: **https://4cnseh03w7.execute-api.us-east-1.amazonaws.com/default/testFunction**
   ▶ Details

Create method

Method details

Method type

| GET ▼ |

Integration type

⦿ **Lambda function**
Integrate your API with a Lambda function.

λ

○ **HTTP**
Integrate with an existing HTTP endpoint.

HTTP

○ **Mock**
Generate a response based on API Gateway mappings and transformations.

‹ Mock ›

○ **AWS service**
Integrate with an AWS Service.

aws

○ **VPC link**
Integrate with a resource that isn't accessible over the public internet.

🔘 Lambda proxy integration
Send the request to your Lambda function as a structured event.

Lambda proxy integration

Send the request to your Lambda function as a structured event.

Lambda function

Provide the Lambda function name or alias. You can also provide an ARN from another account.

| us-east-1 ▼ | 🔍 arn:aws:lambda:us-east-1:304064102356:function:testF ✕ |

ⓘ Grant API Gateway permission to invoke your Lambda function. To turn off, update the function's resource policy yourself, or provide an invoke role that API Gateway uses to invoke your function.

Default timeout

The default timeout is 29 seconds.

Cancel   **Create method**

⊗ 0 △ 0 ⊘ 2 ⓘ 0 ⊖ 0   ⌄

Deploy API   ✕

Choose a stage where your API will be deployed. For example, a test version of your API could be deployed to a stage named beta.

Stage

| *New stage*   ▼ |

Stage name

| test-prod |

ⓘ A new stage will be created with the default settings. Edit your stage settings on the **Stage** page.

Deployment description

| |
| |
| |

                                    Cancel   **Deploy**

Stages

- default
- test-prod
  - /
    - /testFunction
      - **DELETE**
      - **GET**
      - **HEAD**
      - **OPTIONS**
      - **PATCH**
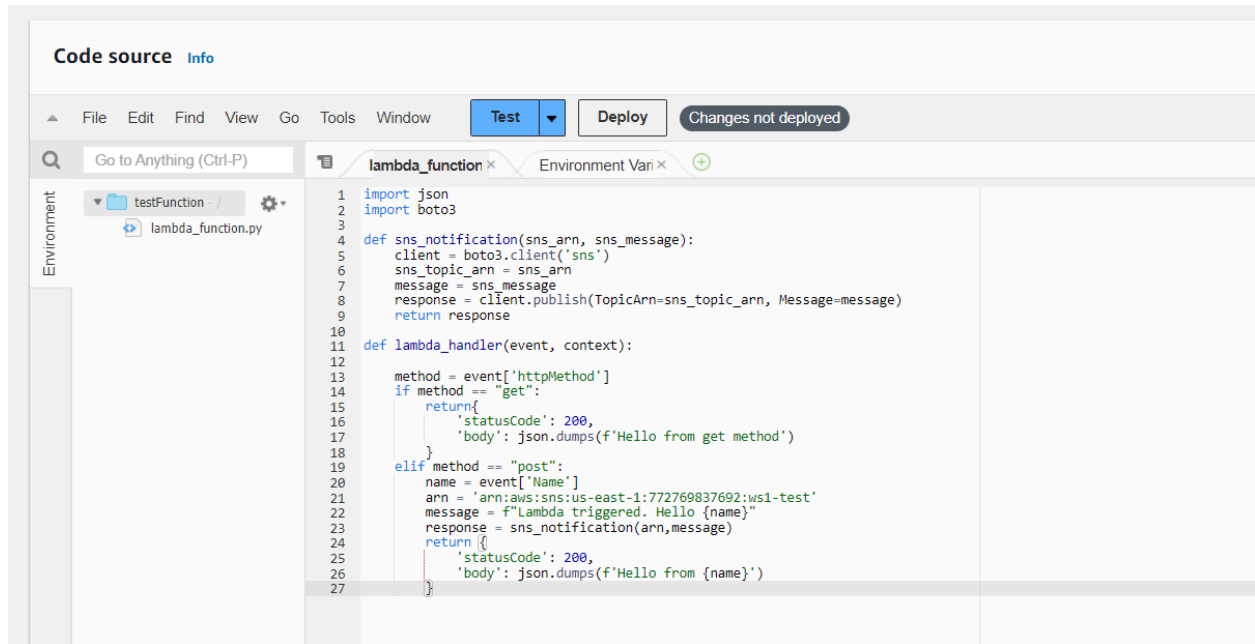   - **POST**
      - **PUT**

Method overrides

By default, methods inherit stage-level

ⓘ This method inherits its se

Invoke URL

https://4cnseh03w7.execute-

Code source Info

File Edit Find View Go Tools Window | Test ▼ | Deploy | Changes not deployed |

Go to Anything (Ctrl-P)

lambda_function ×   Environment Vari ×   ⊕

▼ testFunction - /   ⚙▾
  lambda_function.py

```python
1   import json
2   import boto3
3
4   def sns_notification(sns_arn, sns_message):
5       client = boto3.client('sns')
6       sns_topic_arn = sns_arn
7       message = sns_message
8       response = client.publish(TopicArn=sns_topic_arn, Message=message)
9       return response
10
11  def lambda_handler(event, context):
12
13      method = event['httpMethod']
14      if method == "get":
15          return{
16              'statusCode': 200,
17              'body': json.dumps(f'Hello from get method')
18          }
19      elif method == "post":
20          name = event['Name']
21          arn = 'arn:aws:sns:us-east-1:772769837692:ws1-test'
22          message = f"Lambda triggered. Hello {name}"
23          response = sns_notification(arn,message)
24          return {
25              'statusCode': 200,
26              'body': json.dumps(f'Hello from {name}')
27          }
```

Sns notification is used for POST