

-Create Lambda functions for each API method (GET, POST, PUT, DELETE)

The screenshot displays the AWS Lambda console for the 'get-api' function. The 'Function overview' tab is active, showing a diagram of the function connected to an API Gateway. The function is named 'get-api' and has no layers. The API Gateway is named 'API Gateway' and has no triggers. The function's description is empty, and it was last modified 1 hour ago. The function ARN is 'arn:aws:lambda:us-east-1:14316757424:1:function:get-api' and the function URL is 'Info'. The console also shows tabs for 'Code', 'Test', 'Monitor', 'Configuration', 'Aliases', and 'Versions'. A 'Code source' section at the bottom allows uploading from a source. A sidebar on the right contains a 'Tutorials' section with a link to 'Create a simple web app'.

The screenshot displays the AWS Lambda console for the 'put-api' function. The 'Function overview' tab is active, showing a diagram of the function connected to an API Gateway. The function is named 'put-api' and has no layers. The API Gateway is named 'API Gateway' and has two triggers. The function's description is empty, and it was last modified 22 minutes ago. The function ARN is 'arn:aws:lambda:us-east-1:14316757424:1:function:put-api' and the function URL is 'Info'. The console also shows tabs for 'Code', 'Test', 'Monitor', 'Configuration', 'Aliases', and 'Versions'. A 'Code source' section at the bottom allows uploading from a source. A sidebar on the right contains a 'Tutorials' section with a link to 'Create a simple web app'.

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Lambda > Functions > post-api

post-api

Throttle

Copy ARN

Actions

Function overview

Info

Export to Application Composer

Download

Diagram

Template

post-api

Layers

(0)

API Gateway

(2)

+ Add trigger

+ Add destination

Description

-

Last modified

24 minutes ago

Function ARN

arn:aws:lambda:us-east-1:14316757424:1:function:post-api

Function URL

Info

-

Code

Test

Monitor

Configuration

Aliases

Versions

Code source

Info

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Tutorials

Learn how to implement common use cases in AWS Lambda.

Create a simple web app

In this tutorial you will learn how to:

- Build a simple web app, consisting of a Lambda function with a function URL that outputs a webpage
- Invoke your function through its function URL

Learn more

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Lambda > Functions > delete\_api

delete\_api

Throttle

Copy ARN

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delete\_api

Layers

(0)

API Gateway

+ Add trigger

+ Add destination

Description

-

Last modified

22 minutes ago

Function ARN

arn:aws:lambda:us-east-1:14316757424:1:function:delete\_api

Function URL

Info

-

Code

Test

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Learn more

Start tutorial

Create an API

API Gateway

APIs

Custom domain names

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Client certificates

Settings

API Gateway > APIs

APIs (1/1)

Find APIs

1

Name	Description	ID	Protocol	API endpoint type	Created
to-do-list		7cgfoj26	REST	Regional	2024-02-23

API Gateway

APIs

Custom domain names

VPC links

API: to-do-list

Resources

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API Gateway > APIs > Resources - to-do-list (7cgfoj26)

Resources

Create resource

/

/demo

DELETE

GET

POST

PUT

/demo - GET - Method execution

API actions

Deploy API

ARN

Resource ID

arn:aws:execute-api:us-east-1:143167574241:7cgfoj26/\*/\*/GET/demo

qbvsr0

Client

Method request

Integration request

Method response

Integration response

Lambda integration

Method request

Integration request

Integration response

Method response

Test

Test method

Make a test call to your method. When you make a test call, API Gateway skips authorization and directly invokes your method.

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API Gateway

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▼ API: to-do-list

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Settings

Create resource

/

/demo

DELETE

GET

POST

PUT

/demo - POST method test results

Request

/demo

Status

200

Response body

"I love my India "

Response headers

{  
  "Content-Type": "application/json",  
  "X-Amzn-Trace-Id": "Root=1-65d875cb-9b1efc07b0d01385f3c9f1e2;Parent=4c21dc47cd25e7e5;Sampled=0;lineage=ec7fa3f0:0"  
}

Log

Execution log for request dd57ec5c-8ad0-48be-a76b-aed1511edc10  
Fri Feb 23 10:39:07 UTC 2024 : Starting execution for request: dd57ec5c-8ad0-48be-a76b-aed1511edc10  
Fri Feb 23 10:39:07 UTC 2024 : HTTP Method: POST, Resource Path: /demo  
Fri Feb 23 10:39:07 UTC 2024 : Method request path: {}  
Fri Feb 23 10:39:07 UTC 2024 : Method request query string: {}  
Fri Feb 23 10:39:07 UTC 2024 : Method request headers: {}  
Fri Feb 23 10:39:07 UTC 2024 : Method request body before transformations:  
{"Country": "India"}

Latency

225

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Create resource

/

/demo

DELETE

GET

POST

PUT

API Gateway > APIs > Resources - to-do-list (7cgfofjt26)

API actions ▼

Deploy API

Resources

/demo - PUT - Method execution

Update documentation

Delete

ARN

am:aws:execute-api:us-east-1:143167574241:7cgfofjt26/\*PUT/demo

Resource ID

qbvsr0

Client

Method request

Integration request

Lambda integration

Method response

Integration response

Method request

Integration request

Integration response

Method response

Test

Test method

Make a test call to your method. When you make a test call, API Gateway skips authorization and directly invokes your method.

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Create resource

/

/demo

DELETE

GET

POST

PUT

/demo - PUT method test results

Request

Request

/demo

Latency

215

Status

200

Response body

"api is updated"

Response headers

{  
 "Content-Type": "application/json",  
 "X-Amzn-Trace-Id": "Root=1-65d87613-30f2b4aaf97814aeb8a2950;Parent=1ab6e938ca731329;Sampled=0;lineage=b480464f:0"  
}

Log

Execution log for request 111bb90e-02d0-4e4d-abf2-ed42a4d07131  
Fri Feb 23 10:40:19 UTC 2024 : Starting execution for request: 111bb90e-02d0-4e4d-abf2-ed42a4d07131  
Fri Feb 23 10:40:19 UTC 2024 : HTTP Method: PUT, Resource Path: /demo  
Fri Feb 23 10:40:19 UTC 2024 : Method request path: {}  
Fri Feb 23 10:40:19 UTC 2024 : Method request query string: {}  
Fri Feb 23 10:40:19 UTC 2024 : Method request headers: {}  
Fri Feb 23 10:40:19 UTC 2024 : Method request body before transformations:  
Fri Feb 23 10:40:19 UTC 2024 : Endpoint request URI: https://lambda.us-east-

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▼ API: to-do-list

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Successfully created deployment for to-do-list. This deployment is active for Dev.

API Gateway > APIs > Resources - to-do-list (7cgfofjt26)

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Create resource

/

/demo

DELETE

GET

POST

PUT

/demo - DELETE - Method execution

Update documentation

Delete

ARN

arn:aws:execute-api:us-east-1:143167574241:7cgfofjt26/\*/\*DELETE/demo

Resource ID

qbvsr0

Client

Method request

Integration request

Method response

Integration response

Lambda integration

Method request

Integration request

Integration response

Method response

Test

Test method

Make a test call to your method. When you make a test call, API Gateway skips authorization and directly invokes your method.

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The screenshot displays the AWS API Gateway console interface. On the left, the 'API Gateway' sidebar is visible with options like 'APIs', 'Custom domain names', 'VPC links', and 'API: to-do-list'. The main content area shows the configuration for the '/demo' API. The 'DELETE' method is selected, and its details are shown on the right. The 'Request' tab is active, displaying the request path '/demo', status '200', and response body 'API deleted'. The 'Log' section shows the execution log for the request, including the timestamp, HTTP method, resource path, and endpoint request URI.

**API Gateway**

APIs  
Custom domain names  
VPC links

▼ API: to-do-list

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Settings

Create resource

/demo

DELETE

GET  
POST  
PUT

/demo - DELETE method test results

Request  
/demo

Status  
200

Response body  
"API deleted"

Response headers

```
{
  "Content-Type": "application/json",
  "X-Amzn-Trace-Id": "Root=1-65d87642-
26f7dd7be008caf9c83307b;Parent=7b898e1192ca639c;Sampled=0;lineage=e5d662be-0"
}
```

Log

Execution log for request 31df5f16-46e6-4465-9e62-cf5ef735f37e

```
Fri Feb 23 10:41:06 UTC 2024 : Starting execution for request: 31df5f16-46e6-4465-
9e62-cf5ef735f37e
Fri Feb 23 10:41:06 UTC 2024 : HTTP Method: DELETE, Resource Path: /demo
Fri Feb 23 10:41:06 UTC 2024 : Method request path: {}
Fri Feb 23 10:41:06 UTC 2024 : Method request query string: {}
Fri Feb 23 10:41:06 UTC 2024 : Method request headers: {}
Fri Feb 23 10:41:06 UTC 2024 : Method request body before transformations:
Fri Feb 23 10:41:06 UTC 2024 : Endpoint request URI: https://lambda-uc-east-
```

Latency  
328