

The screenshot shows the AWS Lambda console home page. On the left, there's a sidebar with 'Services' (Features, Documentation, Knowledge articles, Marketplace, Blog posts, Events, Tutorials) and 'Features' (Lambda Insights, Object Lambda Access Points). The main area displays 'Services' like Lambda, CodeBuild, and AWS Signer, and 'Top features' like Signing Jobs and Signing Profiles. A search bar at the top says 'lambda'. The right side has a 'Create application' button and a 'Find applications' section. At the bottom, there are buttons for 'Getting started with', 'Open issues', 'Current month', and 'Cost breakdown'. The browser status bar shows the URL <https://us-east-1.console.aws.amazon.com/signer/home?region=us-east-1>.

The screenshot shows the AWS Lambda Functions page. The left sidebar includes 'Lambda' (Dashboard, Applications, Functions), 'Additional resources' (Code signing configurations, Event source mappings, Layers, Replicas), and 'Related AWS resources' (Step Functions state machines). The main area shows 'Functions (2)' with a search bar and a table. The table columns are: Function name, Description, Package type, Runtime, and Last modified. Two functions are listed: 'gbl\_lab\_monitoring' (Zip, Python 3.11, 10 minutes ago) and 'LabStack-98ea6b70-bd2e-46-GblLabMonitoringgblproto-A1foMcD1HGBx' (Zip, Python 3.11, 9 minutes ago). The browser status bar shows the URL <https://us-east-1.console.aws.amazon.com/lambda/home/?region=us-east-1#functions>.

The screenshot shows the AWS Lambda Functions console. A green banner at the top indicates that the function 'labFunction' has been successfully created. The main area shows the 'Function overview' tab selected, displaying the function name 'labFunction', a diagram icon, and a 'Layers' section. Below the diagram are buttons for '+ Add trigger' and '+ Add destination'. To the right, there are sections for 'Description', 'Last modified' (33 seconds ago), 'Function ARN' (arn:aws:lambda:us-east-1:734979449836:function:labFunction), and 'Function URL'. At the bottom, tabs for 'Code', 'Test', 'Monitor', 'Configuration', 'Aliases', and 'Versions' are visible.

The screenshot shows the AWS Lambda Functions console with the 'Code source' tab selected. The left sidebar shows the project structure with 'LABFUNCTION' and 'lambda\_function.py'. The main area displays the contents of 'lambda\_function.py'. The code is as follows:

```
lambda_function.py
1 import json
2 import logging
3
4 # AWS Lambda Function Logging in Python - https://docs.aws.amazon.com/lambda/latest/dg/python-logging.html
5 logger = logging.getLogger()
6 logger.setLevel(logging.INFO)
7
8 def lambda_handler(event, context):
9     """Demonstrates Amazon API Gateway Lambda proxy integration. You have full
10    access to the request and response payload, including headers and
11    status code.
12    https://docs.aws.amazon.com/apigateway/latest/developerguide/set-up-lambda-proxy-integrations.html
13    """
14    logger.debug(event) # Mind logger.setLevel at line 6. Check Event printed at CloudWatch
15
16    #pets={petId}
17    pets = [
18        { "id": "1", "name": "Peach" },
19        { "id": "2", "name": "Chuck" },
20        { "id": "3", "name": "Lelow" }
21    ]
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
61
62
63
64
65
66
67
68
69
70
71
72
73
74
75
76
77
```

A message at the bottom right of the code editor says 'Successfully updated the function labFunction.' The bottom of the screen shows a Windows taskbar with various icons and the date/time (19-11-2023).

ChatGPT | Feed | LinkedIn | AWS Skill Builder | Cloud Quest | labFunction | Functions | Lambda

us-east-1.console.aws.amazon.com/lambda/home?region=us-east-1#/functions/labFunction?newFunction=true&tab=testing

aws Search [Alt+S] United States (N. Virginia) Account ID: 7349-7944-9836 AWSLabsUser-dc4JQTXPKYmidxf7Jck8KY/98ea6b70...

Lambda > Functions > labFunction

Successfully updated the function labFunction.

The test event 'FindAllPets' was successfully saved.

Code Test Monitor Configuration Aliases Versions

Executing function: succeeded (logs [l2](#))

Details

```
{ "statusCode": "200", "body": "[{"id": "1", "name": "Peach"}, {"id": "2", "name": "Chuck"}, {"id": "3", "name": "Kelow"}]", "headers": { "Content-Type": "application/json" } }
```

Summary

Code SHA-256: HAPq9EReJVECSgLavtc/gyd5vZtd9eiUGF932t0jBxY=

Function version: \$LATEST

Duration: 1.87 ms

Execution time: 40 seconds ago

Request ID: eb6ee3d7-e012-4b44-8535-aa563249586e

Billed duration: 89 ms

CloudShell Feedback © 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

45°F Partly sunny 15:36 19-11-2025

ChatGPT | Feed | LinkedIn | AWS Skill Builder | Cloud Quest | labFunction | Functions | Lambda

us-east-1.console.aws.amazon.com/lambda/home?region=us-east-1#/functions/labFunction?newFunction=true&tab=testing

aws Search [Alt+S] United States (N. Virginia) Account ID: 7349-7944-9836 AWSLabsUser-dc4JQTXPKYmidxf7Jck8KY/98ea6b70...

Lambda > Functions > labFunction

This event is only available in the Lambda console and to the event creator. You can configure a total of 10. [Learn more](#)

Shareable This event is available to IAM users within the same account who have permissions to access and use shareable events. [Learn more](#)

Template - optional

FindAllPets

Event JSON

```
1 * {
  "body": "eyJ0ZXN0IjoiYm9keS19",
  "resource": "/pets/{id}",
  "path": "/path/to/resource",
  "httpMethod": "POST",
  "isBase64Encoded": true,
  "queryStringParameters": {
    "foo": "bar"
  },
  "multiValueQueryStringParameters": {
    "foo": [
      "bar"
    ]
  },
  "pathParameters": {
    "id": "1"
  },
  "stageVariables": {
    "bar": "qux"
  }
}
21 * "headers": {
  "Accept": "text/html,application/xhtml+xml,application/xml;q=0.9,image/webp,*/*;q=0.8",
  "Accept-Encoding": "gzip, deflate, sdch",
  "Accept-Language": "en-US,en;q=0.8",
  "Cache-Control": "max-age=0"
```

Format JSON

CloudShell Feedback © 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

45°F Partly sunny 15:40 19-11-2025

Screenshot of the AWS Lambda function details page showing a successful execution of the 'FindPetById' test event.

**Execution function: succeeded (logs ↗)**

**Details**

```
{ "statusCode": "200", "body": "{\"pet\":{\"id\": \"1\", \"name\": \"Peach\"}}", "headers": { "Content-Type": "application/json" } }
```

**Summary**

Code SHA-256	Execution time
HAPq9EReJVEC5gLavtc/gyd5vZtd9elUGF932t0jBxY=	11 seconds ago
Function version	Request ID
\$LATEST	ae584595-2de1-4850-993f-fde0ffb2497
Duration	Billed duration
15.92 ms	16 ms
Resources configured	Max memory used
128 MB	37 MB

**Log output**

CloudShell Feedback © 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences 45°F Partly sunny ENG IN 19-11-2025 15:40

Screenshot of the AWS API Gateway main welcome page.

**API Gateway**

Networking & Content Delivery

# API Gateway

## Create and manage APIs at scale

Amazon API Gateway is a fully managed service that makes it easy for developers to create, publish, maintain, monitor, and secure APIs.

**Get started**

Create a new API to begin exploring API Gateway. You can also import an external definition file into API Gateway.

**Create an API**

**How it works**

API Gateway enables you to connect and access data, business logic, and functionality.

**Pricing**

With Amazon API Gateway, you only pay when your APIs are in use. There are no minimum fees or upfront commitments. For HTTP and REST APIs, you pay based on API calls received and amount of data transferred out. For WebSocket APIs, you pay based on number of messages and connection duration.

[Learn more about pricing ↗](#)

**Resources ↗**

[Getting Started Guide](#)

[Developer Guide](#)

CloudShell Feedback © 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences 45°F Partly sunny ENG IN 19-11-2025 15:44

Screenshot of the AWS Lambda console showing the creation of a new Lambda function named "HelloWorld". The function is configured with a "Node.js 18.x" runtime and a "aws/lambda" role. The "Handler" is set to "index.handler". The "Code" section shows the uploaded file "HelloWorldFunction.zip". The "Test" tab is selected, showing a successful test execution with the output "Hello world!". The "Logs" tab shows the log stream "LogStream-HelloWorldFunction-1-1". The "Environment variables" tab lists the environment variables: "AWS\_LAMBDA\_FUNCTION\_NAME" (HelloWorld), "AWS\_LAMBDA\_FUNCTION\_MEMORY\_SIZE" (128), "AWS\_LAMBDA\_FUNCTION\_TIMEOUT" (3), and "AWS\_LAMBDA\_FUNCTION\_SOURCE" (HelloWorldFunction.zip). The "Configuration" tab shows the function's configuration settings.

Screenshot of the AWS API Gateway console showing the creation of a new REST API named "ApiLab". The "API details" section shows the API name "ApiLab" and the "API endpoint type" as "Regional". The "IP address type" is set to "Any IP address". The "Description - optional" field contains the text "Apilab". The "API endpoint type" dropdown shows "Regional" as the selected option. The "CloudShell" and "Feedback" buttons are visible at the bottom left. The "Deploy API" button is located at the top right of the main content area.

Screenshot of the AWS API Gateway 'Create resource' page.

The URL is: us-east-1.console.aws.amazon.com/apigateway/main/apis/jiyuwzqfrk/resources/f0aoacl38k/create-resource?api=jiyuwzqfrk&experience=rest&region=us-east-1

Account ID: 7349-7944-9836  
AWSLabsUser-dc4JQTXPKYmidxf7jck8KY/98ea6b70...

Successfully created REST API 'ApiLab (jiyuwzqfrk)'.

### Create resource

**Resource details**

[Proxy resource](#) [Info](#)  
Proxy resources handle requests to all sub-resources. To create a proxy resource use a path parameter that ends with a plus sign, for example {proxy+}.

**Resource path** / **Resource name** pets

[CORS \(Cross Origin Resource Sharing\)](#) [Info](#)  
Create an OPTIONS method that allows all origins, all methods, and several common headers.

[Cancel](#) [Create resource](#)



Screenshot of the AWS API Gateway 'Create method' page.

The URL is: us-east-1.console.aws.amazon.com/apigateway/main/apis/jiyuwzqfrk/resources/f357fr/create-method?api=jiyuwzqfrk&experience=rest&region=us-east-1

Account ID: 7349-7944-9836  
AWSLabsUser-dc4JQTXPKYmidxf7jck8KY/98ea6b70...

Successfully created resource '/pets'

### Create method

**Method details**

**Method type** GET

**Integration type**

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

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

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

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

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

**Lambda proxy integration**

[CloudShell](#) [Feedback](#) © 2025, Amazon Web Services, Inc. or its affiliates. [Privacy](#) [Terms](#) [Cookie preferences](#)

46°F Mostly sunny

ChatGPT | Feed | LinkedIn | AWS Skill Builder | Cloud Quest | API Gateway - Resources | Jaswanth, your profile name | +

us-east-1.console.aws.amazon.com/apigateway/main/apis/jiyuwzqfrk/resources/?api=jiyuwzqfrk&experience=rest&region=us-east-1

API Gateway > APIs > Resources - ApiLab (jiyuwzqfrk)

Successfully created method 'GET' in 'pets'. Redeploy your API for the update to take effect.

API Gateway

APIs  
Custom domain names  
Domain name access associations  
VPC links

API: ApiLab  
Resources  
Stages  
Authorizers  
Gateway responses  
Models  
Resource policy  
Documentation  
Dashboard  
API settings

Usage plans  
API keys

Create resource

/ /pets GET

**/pets - GET - Method execution**

ARN: arn:aws:execute-api:us-east-1:734979449836:jiyuwzqfrk/\*/GET/pets  
Resource ID: f357fr

Method request → Integration request → Integration response → Lambda integration

Client ← Method response ← Integration response ← Proxy integration

Method request | Integration request | Integration response | Method response | Test

Update documentation | Delete

CloudShell Feedback

© 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

ENG IN 16:01 19-11-2023

ChatGPT | Feed | LinkedIn | AWS Skill Builder | Cloud Quest | API Gateway - Resources | Jaswanth, your profile name | +

us-east-1.console.aws.amazon.com/apigateway/main/apis/jiyuwzqfrk/resources/?api=jiyuwzqfrk&experience=rest&region=us-east-1

API Gateway > APIs > Resources - ApiLab (jiyuwzqfrk)

API Gateway

APIs  
Custom domain names  
Domain name access associations  
VPC links

API: ApiLab  
Resources  
Stages  
Authorizers  
Gateway responses  
Models  
Resource policy  
Documentation  
Dashboard  
API settings

Usage plans  
API keys

Create resource

/ /pets GET

**Test method**

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

**Query strings**

param1=value1&param2=value2

**Headers**

header1:value1  
header2:value2

**Client certificate**

No client certificates have been generated.

**Test**

**/pets - GET method test results**

Request	Latency ms	Status
/pets	417	200

**Response body**

```
{"pets": [{"id": "1", "name": "Peach"}, {"id": "2", "name": "Chuck"}, {"id": "3", "name": "Lebow"}]}
```

**Response headers**

CloudShell Feedback

© 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

Sunset 4:35 PM ENG IN 16:03 19-11-2023

The screenshot shows the AWS API Gateway Resources page for the 'ApiLab' API. On the left, the navigation sidebar includes sections for APIs, Custom domain names, Domain name access associations, VPC links, API: ApiLab (Resources, Stages, Authorizers, Gateway responses, Models, Resource policy, Documentation, Dashboard, API settings), Usage plans, and API keys. The main content area displays a test result for the '/pets' resource. The path is listed as '/pets' with a 'GET' method selected. The test results show a successful response with a status of 200, latency of 417 ms, and a response body containing a JSON array of three pet objects. The response headers section shows a single header entry. The logs section contains a detailed execution log for a specific request, including the request ID, timestamp, and various log entries. The bottom of the screen shows the Windows taskbar with various pinned icons.

The screenshot shows the AWS API Gateway Resources page for the 'ApiLab' API. The left sidebar is identical to the previous screenshot. The main content area displays the 'Resources' section for the '/pets' endpoint. It shows the 'Resource details' for the path '/pets' and a table of 'Methods' with one entry: a GET method using a Lambda integration, no authorization required, and no API key needed. The bottom of the screen shows the Windows taskbar with various pinned icons.

Screenshot of the AWS API Gateway Resources page for the 'ApiLab' API.

The left sidebar shows the API Gateway navigation menu, with 'APIs' selected. Under 'API: ApiLab', 'Resources' is selected. The main content area displays the 'Resources' section for the '/pets/{id}' endpoint. The ARN is listed as `arn:aws:execute-api:us-east-1:754979449836:jiyuwzqfrk/* /pets/{id}`. The Resource ID is `ac95k5`.

A flow diagram illustrates the request handling process:

```
graph LR; Client --> MethodRequest[Method request]; MethodRequest --> IntegrationRequest[Integration request]; IntegrationRequest --> LambdaIntegration[Lambda integration]; LambdaIntegration --> IntegrationResponse[Integration response]; IntegrationResponse --> MethodResponse[Method response]; MethodResponse --> Client;
```

The 'Method request' tab is active. Below it, the 'Method request settings' section shows 'Authorization' set to 'NONE' and 'API key required' set to 'False'.

Screenshot of the AWS API Gateway Resources page for the 'ApiLab' API, showing the results of a test execution.

The left sidebar shows the API Gateway navigation menu, with 'APIs' selected. Under 'API: ApiLab', 'Resources' is selected. The main content area displays the 'Resources' section for the '/pets/{id}' endpoint. The ARN is listed as `arn:aws:execute-api:us-east-1:754979449836:jiyuwzqfrk/* /pets/{id}`.

The 'Test' tab is active, showing the results for the '/pets/{id} - GET method test results'. The request path is `/pets/1`, latency is 36 ms, and status is 200. The response body is:

```
{"pet": {"id": "1", "name": "Peach"}}
```

The 'Response headers' section shows:

```
{ "Content-Type": "application/json", "X-Amzn-Trace-Id": "Root=1-691e34db-ca1173bc351b232a619352aa;Parent=052ebdd023d0087fe;Sampled=0;Lineage=1:7a7aae99:0" }
```

The 'Logs' section contains the execution log for the request:

```
Execution log for request f6db86968-c1fe-4702-be82-708be46109e4
Wed Nov 19 21:14:51 UTC 2025 : Starting execution for request: f6db86968-c1fe-4702-be82-708be46109e4
Wed Nov 19 21:14:51 UTC 2025 : HTTP Method: GET, Resource Path: /pets/1
Wed Nov 19 21:14:51 UTC 2025 : Method request path: {id=1}
Wed Nov 19 21:14:51 UTC 2025 : Method request query string: {}
Wed Nov 19 21:14:51 UTC 2025 : Method request headers: {}
Wed Nov 19 21:14:51 UTC 2025 : Method request body before transformations:
Wed Nov 19 21:14:51 UTC 2025 : Endpoint request URL: https://lambda.us-east-1.amazonaws.com/2015-03-
```

The screenshot shows the AWS API Gateway Stages page. The URL in the address bar is `us-east-1.console.aws.amazon.com/apigateway/main/apis/jiyuwzqfrk/stages?api=jiywzqfrk&experience=rest&region=us-east-1`. The main content area displays a green success message: "Successfully created deployment for ApiLab. This deployment is active for lab." Below this, the "Stages" section lists a single stage named "lab". The "Stage details" panel shows the following configuration:

- Stage name:** lab
- Rate:** 10000
- Burst:** 5000
- Cache cluster:** Inactive
- Default method-level caching:** Inactive

The "Invoke URL" is listed as `https://jiywzqfrk.execute-api.us-east-1.amazonaws.com/lab`. The "Logs and tracing" section is collapsed.

The left sidebar shows the navigation path: API Gateway > APIs > ApiLab (jiywzqfrk) > Stages. The right sidebar includes "Stage actions" and "Create stage" buttons, along with "Edit" buttons for the stage details and logs.

The screenshot shows a browser window with the URL `jiywzqfrk.execute-api.us-east-1.amazonaws.com/lab/pets` in the address bar. The page content is a JSON object:

```
{"pets": [{"id": "1", "name": "Peach"}, {"id": "2", "name": "Chuck"}, {"id": "3", "name": "Lelow"}]}
```

The browser interface includes a "Pretty-print" checkbox, a search bar, and a toolbar with various icons. The status bar at the bottom shows the date and time as 19-11-2025.

A screenshot of a web browser window. The address bar shows the URL: `jiyuwzqfrk.execute-api.us-east-1.amazonaws.com/lab/pets/3`. The page content displays a JSON object:

```
{"pet": {"id": "3", "name": "Lelow"}}
```



A screenshot of the AWS Lambda console. The left sidebar shows navigation links for Lambda, Additional resources, and Related AWS resources. The main content area is titled "Functions (3)" and lists three functions:

Function name	Description	Package type	Runtime	Last modified
<a href="#">gbl_lab_monitoring</a>	-	Zip	Python 3.11	2 hours ago
<a href="#">LabStack-98ea6b70-bd2e-46-GblLabMonitoringgblproto-A1f0McD1HGBx</a>	-	Zip	Python 3.11	2 hours ago
<a href="#">labFunction</a>	-	Zip	Python 3.12	57 minutes ago



ChatGPT | Feed | LinkedIn | AWS Skill Builder | labFunction-1 | Cloud Quest | Jaswanth, your profile | jyuwzqfrk.execute-api.us-east-1.amazonaws.com | +

us-east-1.console.aws.amazon.com/lambda/home?region=us-east-1#functions/labFunction-1?newFunction=true&tab=code

aws Search [Alt+S] Account ID: 7349-7944-9836 AWSLabsUser-dc4JQTXPKYmidx7jck8KU/98ea6b70...

Lambda > Functions > labFunction-1

Successfully updated the function labFunction-1.

Code source Info Open in Visual Studio Code Upload from

EXPLORER LABFUNCTION-1 lambda\_function.py

```
lambda_function.py
1 import json
2 import logging
3
4 # AWS Lambda Function Logging in Python - https://docs.aws.amazon.com/lambda/latest/dg/python-logging.html
5 logger = logging.getLogger()
6 logger.setLevel(logging.INFO)
7
8 def lambda_handler(event, context):
9     '''Demonstrates Amazon API Gateway Lambda proxy integration. You have full
10    access to the request and response payload, including headers and
11    status code.
12    https://docs.aws.amazon.com/apigateway/latest/developerguide/set-up-lambda-proxy-integrations.html
13    '''
14    logger.debug(event) # Mind logger.setLevel at line 6. Check Event printed at CloudWatch
15
16    #/vehicles/(vehicleId)
17    vehicles = [
18        { "id": "1", "type": "bike", "available": "true" },
19        { "id": "2", "type": "car", "available": "false" },
20        { "id": "3", "type": "truck", "available": "true" }
21    ]
22
```

DEPLOY Current Deploy (Ctrl+Shift+U) Test (Ctrl+Shift+I)

TEST EVENTS [NONE SELECTED] Create new test event

CloudShell Feedback © 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

46°F Mostly sunny

ChatGPT | Feed | LinkedIn | AWS Skill Builder | labFunction-1 | Cloud Quest | Jaswanth, your profile | jyuwzqfrk.execute-api.us-east-1.amazonaws.com | +

us-east-1.console.aws.amazon.com/lambda/home?region=us-east-1#functions/labFunction-1?newFunction=true&tab=testing

aws Search [Alt+S] Account ID: 7349-7944-9836 AWSLabsUser-dc4JQTXPKYmidx7jck8KU/98ea6b70...

Lambda > Functions > labFunction-1

Successfully updated the function labFunction-1.

The test event 'MyTestEvent-1' was successfully saved.

Code Test Monitor Configuration Aliases Versions

Executing function: succeeded (logs)

Details

```
{
  "statusCode": "200",
  "body": "{\"id\": \"1\", \"type\": \"bike\", \"available\": \"true\"}",
  "headers": {
    "Content-Type": "application/json"
  }
}
```

Summary

Code SHA-256: HAPq9EReJVECSgLatvc/gyd5vZtd9eiUGF932t0jBxY=

Function version: \$LATEST

Execution time: 32 seconds ago

Request ID: 1bde0733-cda8-4679-a697-02627ed51281

https://us-east-1.console.aws.amazon.com/lambda/home?region=us-east-1#functions/labFunction-1?tab=testing

CloudShell Feedback © 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

46°F Mostly sunny

Screenshot of the AWS API Gateway console showing the creation of a new GET method for the '/vehicles' resource.

**API Gateway - Resources - ApiLab-1 (o3ywhlkz66)**

**Successfully created method 'GET' in '/vehicles'. Redeploy your API for the update to take effect.**

**Resources**

**/vehicles - GET - Method execution**

**ARN:** arn:aws:execute-api:us-east-1:734979449836:o3ywhlkz66/\*/GET/vehicles

**Resource ID:** s8jjj5

**Method request:** Client → Method request → Integration request → Lambda integration

**Integration response:** Lambda integration ← Integration response ← Method response

**Test**

© 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

Screenshot of the AWS API Gateway console showing the results of a test for the newly created GET method.

**API Gateway - Resources - ApiLab-1 (o3ywhlkz66)**

**Test**

**/vehicles - GET method test results**

Request	Latency ms	Status
/vehicles	35	200

**Response body:**

```
{ "vehicles": [ { "id": "1", "type": "bike", "available": "true"}, { "id": "2", "type": "car", "available": "false"}, { "id": "3", "type": "truck", "available": "true"} ] }
```

**Response headers:**

```
{
  "Content-Type": "application/json",
  "X-Amzn-Trace-Id": "Root=1-691e9bebd0f3d22ba9acc4c2830cda90;Parent=147c2cf6729f82f;Sampled=0;Lineage=1:6519bdc4:0"
}
```

**Logs:**

```
Execution log for request 2daf8abd-605c-42d5-9478-c445634695d2
Thu Nov 20 04:41:13 UTC 2025 : Starting execution for request: 2daf8abd-605c-42d5-9478-c445634695d2
Thu Nov 20 04:41:13 UTC 2025 : HTTP Method: GET, Resource Path: /vehicles
Thu Nov 20 04:41:13 UTC 2025 : Method request path: {}
Thu Nov 20 04:41:13 UTC 2025 : Method request query string: {}
Thu Nov 20 04:41:13 UTC 2025 : Method request headers: {}
Thu Nov 20 04:41:13 UTC 2025 : Method request body before transformations:
Thu Nov 20 04:41:13 UTC 2025 : Endpoint request URL: https://lambda.us-east-1.amazonaws.com/2015-03-
```

© 2025, Amazon Web Services, Inc. or its affiliates. Privacy Terms Cookie preferences

Screenshot of the AWS API Gateway console showing the creation of a new GET method for the '/vehicles/{id}' resource. A success message indicates the method was created successfully.

**Resources**

- ARN: arn:aws:execute-api:us-east-1:734979449836:o3ywhlkz66/\*GET/vehicles/{id}
- Resource ID: 87hh47

The diagram illustrates the flow of requests and responses between the Client, Method request, Integration request, Integration response, and Lambda integration.

**Test** tab selected.

Screenshot of the AWS API Gateway console showing the results of a test execution for the '/vehicles/{id}' GET method. The test results show a successful request with a latency of 49 ms and a status code of 200.

**Logs**

```

Execution log for request 411a9c80-3cc4-446c-bf7f-aea5e596bf84b
Thu Nov 20 04:42:20 UTC 2025 : Starting execution for request: 411a9c80-3cc4-446c-bf7f-aea5e596bf84b
Thu Nov 20 04:42:20 UTC 2025 : HTTP Method: GET, Resource Path: /vehicles/{id}
Thu Nov 20 04:42:20 UTC 2025 : Method request path: {id=1}
Thu Nov 20 04:42:20 UTC 2025 : Method request query string: {}
Thu Nov 20 04:42:20 UTC 2025 : Method request headers: {}
Thu Nov 20 04:42:20 UTC 2025 : Method request body before transformations:
Thu Nov 20 04:42:20 UTC 2025 : Endpoint request URL: https://lambda.us-east-1.amazonaws.com/2015-03-

```

Screenshot of the AWS Lambda console showing the successful creation of a deployment for the API Lab-1.

The deployment was successfully created for Stage Lab-1. The Stage details are as follows:

- Stage name:** Lab-1
- Rate:** 10000
- Cache cluster:** Inactive
- Burst:** 5000
- Default method-level caching:** Inactive

The Invoke URL is <https://o3ywhlkz66.execute-api.us-east-1.amazonaws.com/Lab-1>.

The Active deployment was created on November 19, 2025, at 23:42 (UTC-05:00).

Logs and tracing information is also present.

Screenshot of a browser window showing the response from the API endpoint <https://o3ywhlkz66.execute-api.us-east-1.amazonaws.com/Lab-1/vehicles>.

The response is a JSON object containing an array of vehicles:

```
{"vehicles": [{"id": "1", "type": "bike", "available": "true"}, {"id": "2", "type": "car", "available": "false"}, {"id": "3", "type": "truck", "available": "true"}]}
```



A screenshot of a web browser window showing a JSON response. The URL in the address bar is `o3ywhlkz66.execute-api.us-east-1.amazonaws.com/Lab-1/vehicles/2`. The response is:

```
{"vehicle": {"id": "2", "type": "car", "available": "false"}}
```



A screenshot of the AWS Lambda console. The left sidebar shows navigation options like Dashboard, Applications, Functions, Additional resources, and Related AWS resources. The main area displays a table titled "Functions (4)" with the following data:

Function name	Description	Package type	Runtime	Last modified
<a href="#">gbl_lab_monitoring</a>	-	Zip	Python 3.11	1 hour ago
<a href="#">LabStack-98ea6b70-bd2e-46-GbLabMonitoringgblproto-g01Vf2KB190C</a>	-	Zip	Python 3.11	1 hour ago
<a href="#">labFunction-1</a>	-	Zip	Python 3.12	13 minutes ago
<a href="#">labFunction</a>	-	Zip	Python 3.12	55 minutes ago

