

Construindo um API Gateway + Lambda

Pré-Requisitos

- Conta AWS
- Conhecimento em AWS Lambda e API Gateway
- Familiaridade com uma linguagem de programação suportada pela AWS Lambda (ex.: Python, Node.js)

Passo 1: Configuração do AWS Lambda

1. Criação da Função Lambda:

- Acesse o AWS Lambda e inicie o processo de criação de uma nova função.
- Selecione a linguagem de programação e defina as configurações básicas.

2. Permissões e Acesso:

- Garanta que a função Lambda tenha acesso aos serviços necessários (ex.: Amazon S3).

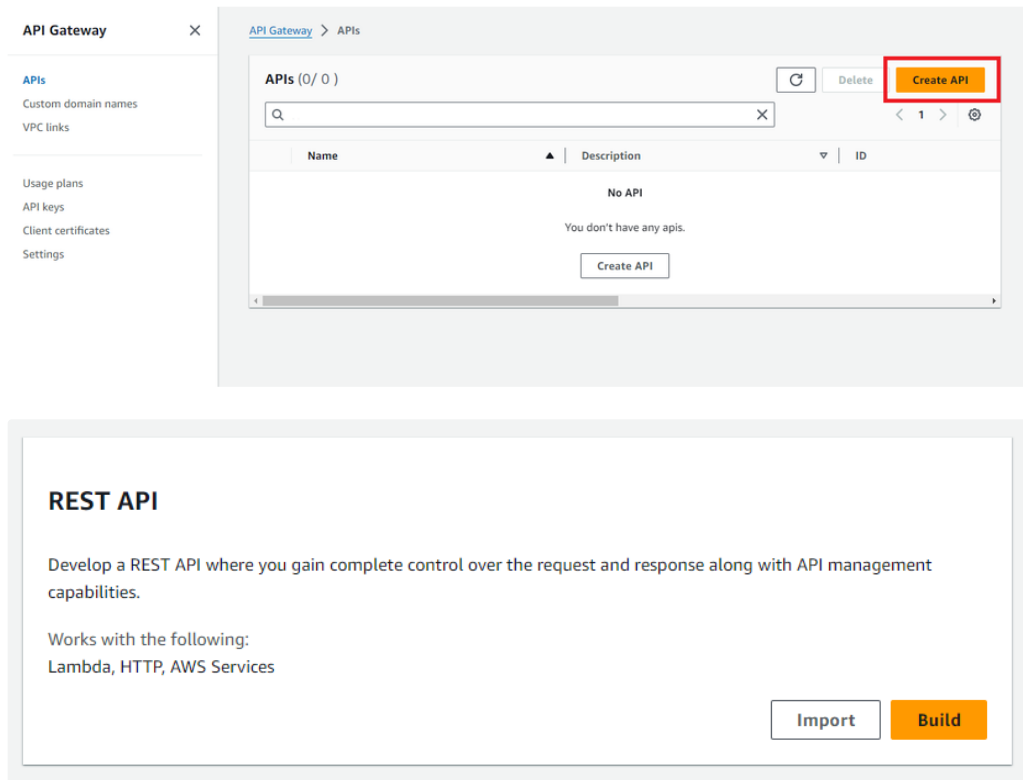
Passo 2: Configuração do Amazon API Gateway

1. Criação e Configuração do API Gateway:

- Inicie um novo API Gateway na AWS.
- Defina os recursos e métodos (GET, POST, etc.) conforme as necessidades da aplicação.

2. Integração com a Função Lambda:

- Conecte cada método do API Gateway à função Lambda correspondente.



Create REST API

API details

☒ New API

Create a new REST API.

☐ Clone existing API

Create a copy of an API in this AWS account.

☐ Import API

Import an API from an OpenAPI definition.

☐ Example API

Learn about API Gateway with an example API.

API name

api-teste-demonstracao

Description - optional

API endpoint type

Regional APIs are deployed in the current AWS Region. Edge-optimized APIs route requests to the nearest CloudFront Point of Presence. Private APIs are only accessible from VPCs.

Regional

Cancel

Create API

[API Gateway](#) > [APIs](#) > Resources - api-teste-demonstracao (s6hqoln7vk)

Resources

API actions ▼

Deploy API

Create resource

Resource details

Update documentation

Enable CORS

Path

/

Resource ID

7qp3e1spvd

Methods (0)

Delete

Create method

Method type ▲

Integration type ▼

Authorization ▼

API key ▼

No methods

No methods defined.


Method details

Method type

Select a method 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

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

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.

Resources

Create resource

/

GET

/ - GET - Method execution

Update documentation

Delete

ARN

arn:aws:execute-api:us-east-1:325407787162:s6hqoln7vk/*/*GET/

Resource ID

7qp3e1spvd

Client

Method request

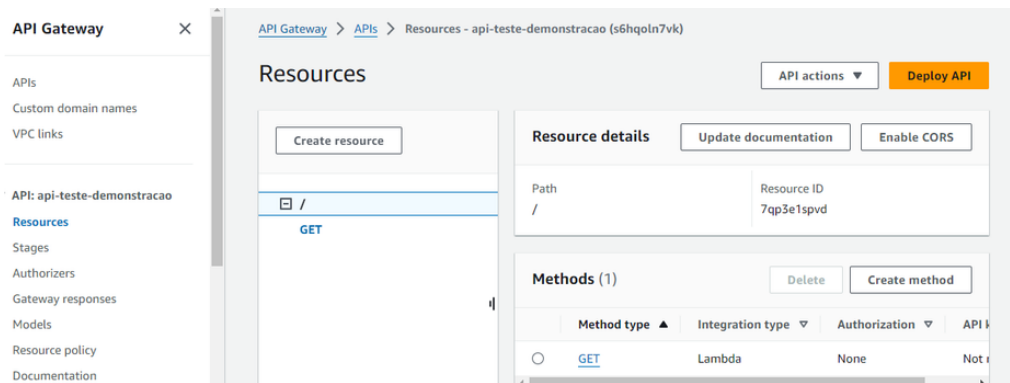
Integration request

Lambda integration

Method response

Integration response

Faça o deploy da API



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

dev

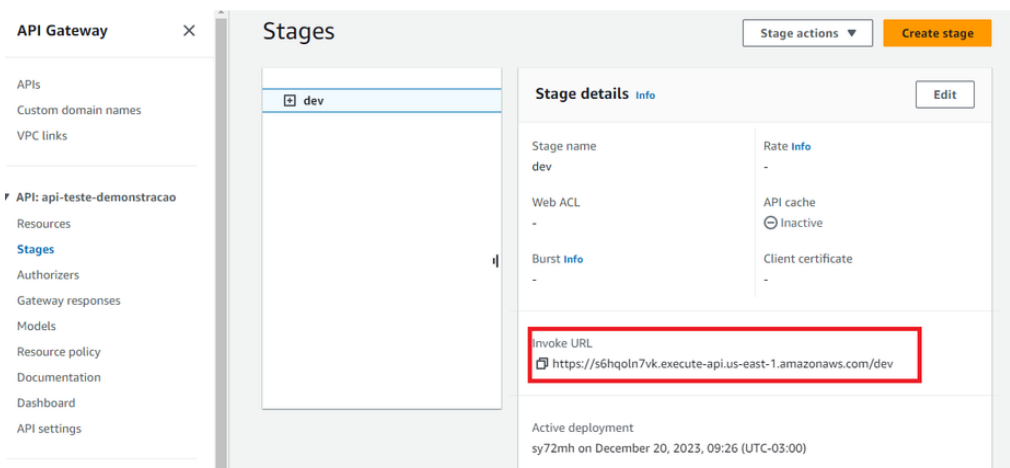
A new stage will be created with the default settings. Edit your stage settings on the Stage page.

Deployment description

Primeiro deploy

Cancel Deploy

URL da API Gateway



Conclusão

Configurar um API Gateway e uma função Lambda na AWS oferece uma solução poderosa para aplicações serverless. Este guia proporciona uma base sólida para começar a implementação.

Referências

- [AWS Lambda Documentation](#)
- [AWS API Gateway Documentation](#)