Serverless

AWS Lambda

Serverless

A cloud-computing execution model in which the cloud provider runs the server

The provider dynamically manages the allocation of machine resources.

Pricing is based on the actual amount of resources consumed by an application, rather than on pre-purchased units of capacity.

AWS Lambda

A service which performs serverless computing

Benefits

NO SERVER TO MANAGE

BILLING BASED ON USAGE

CONTINUOUS SCALING

Pay per Request

Low request cost

No hourly, daily, or monthly minimum charge

No per device fees

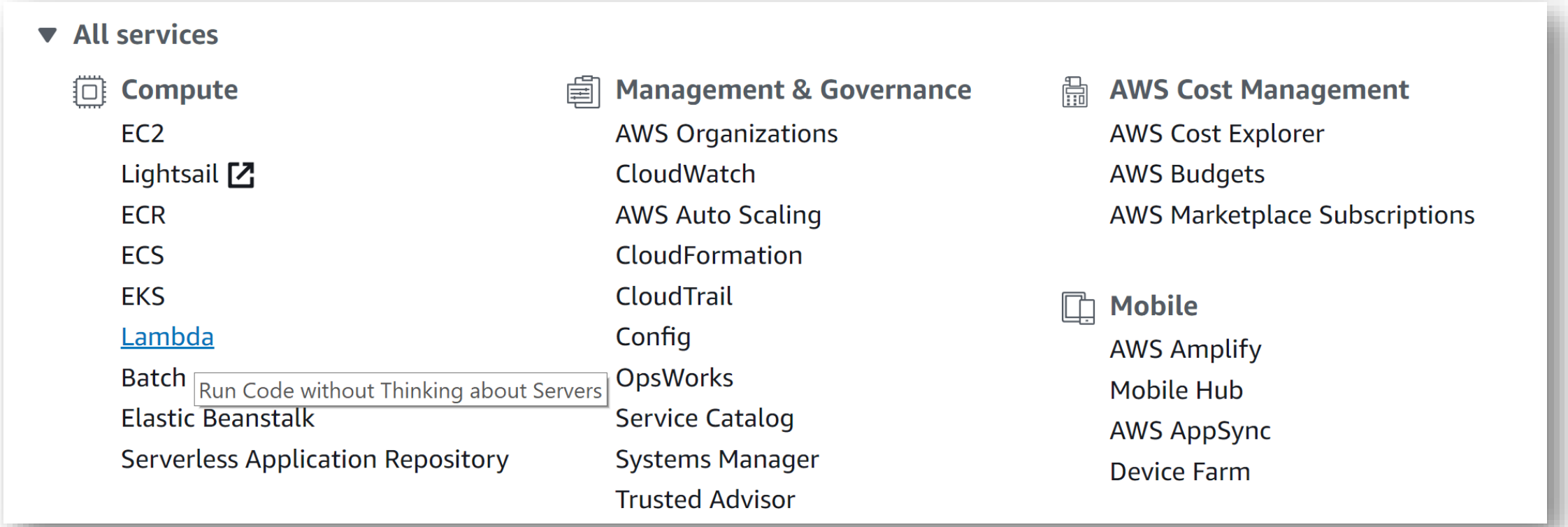
Never pay for idle

Activity-1

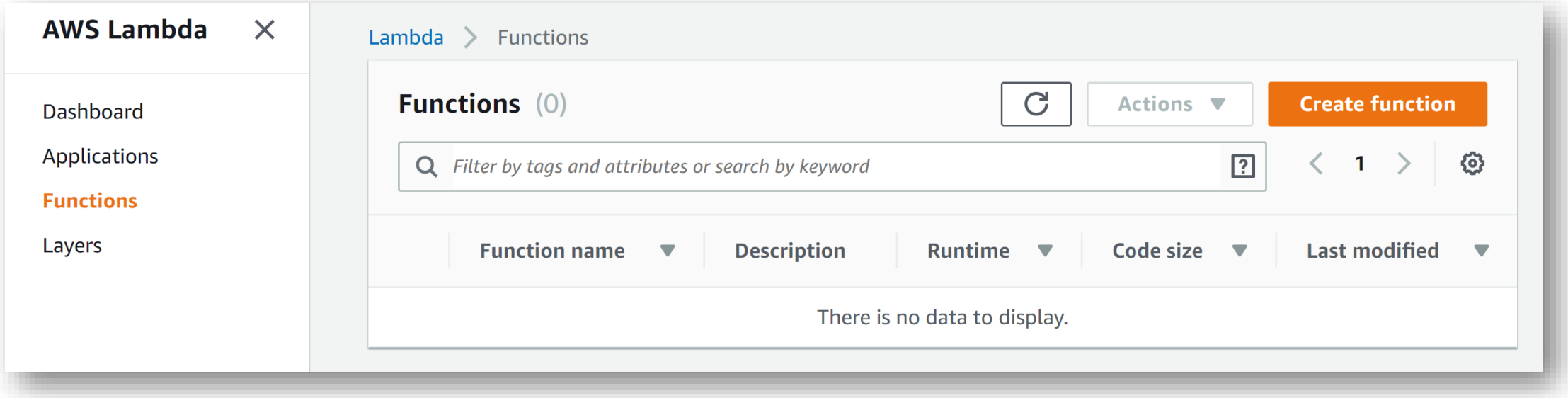
Register on AWS

https://aws.amazon.com/lambda/

Let’s Create a Lambda Function



Let’s Create a Lambda Function



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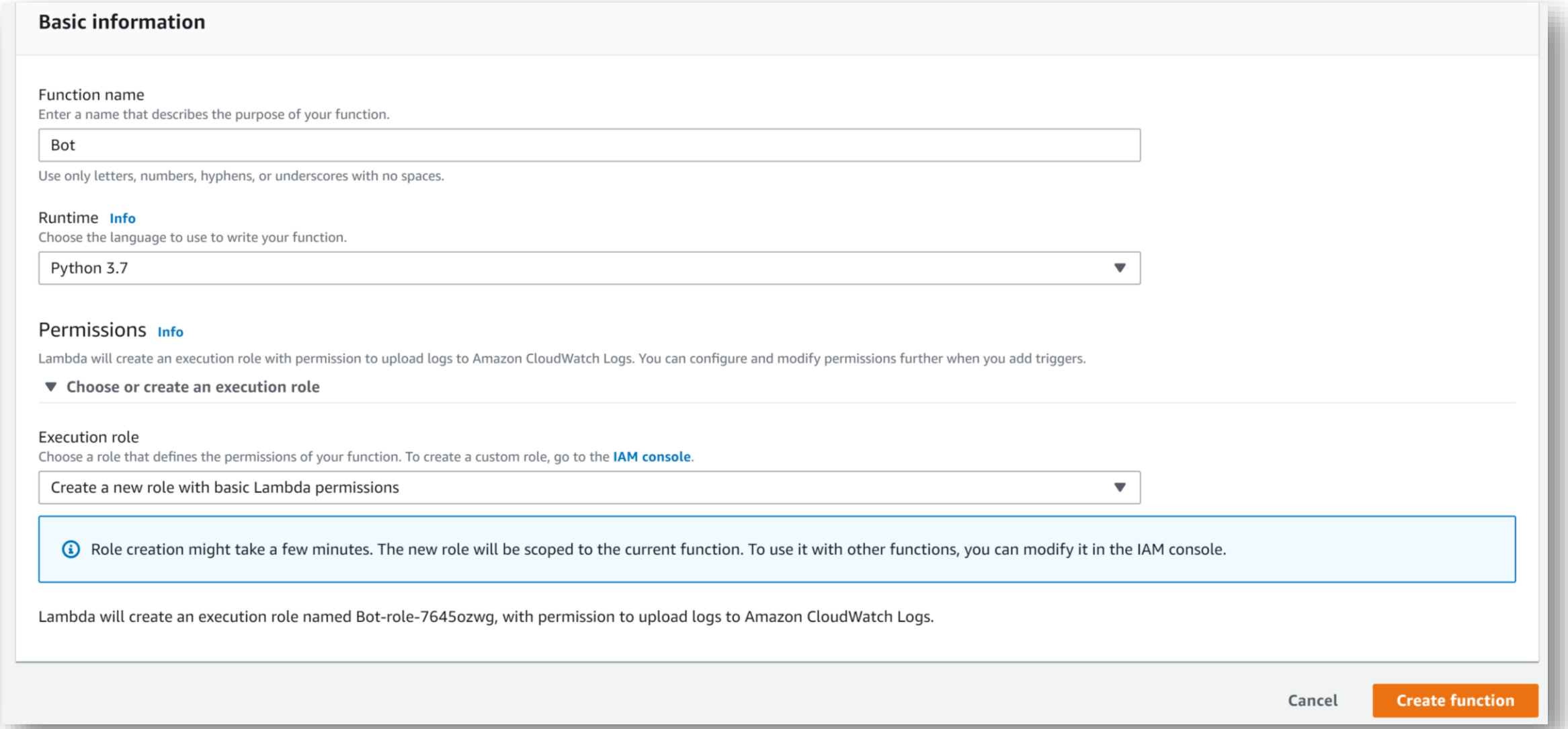

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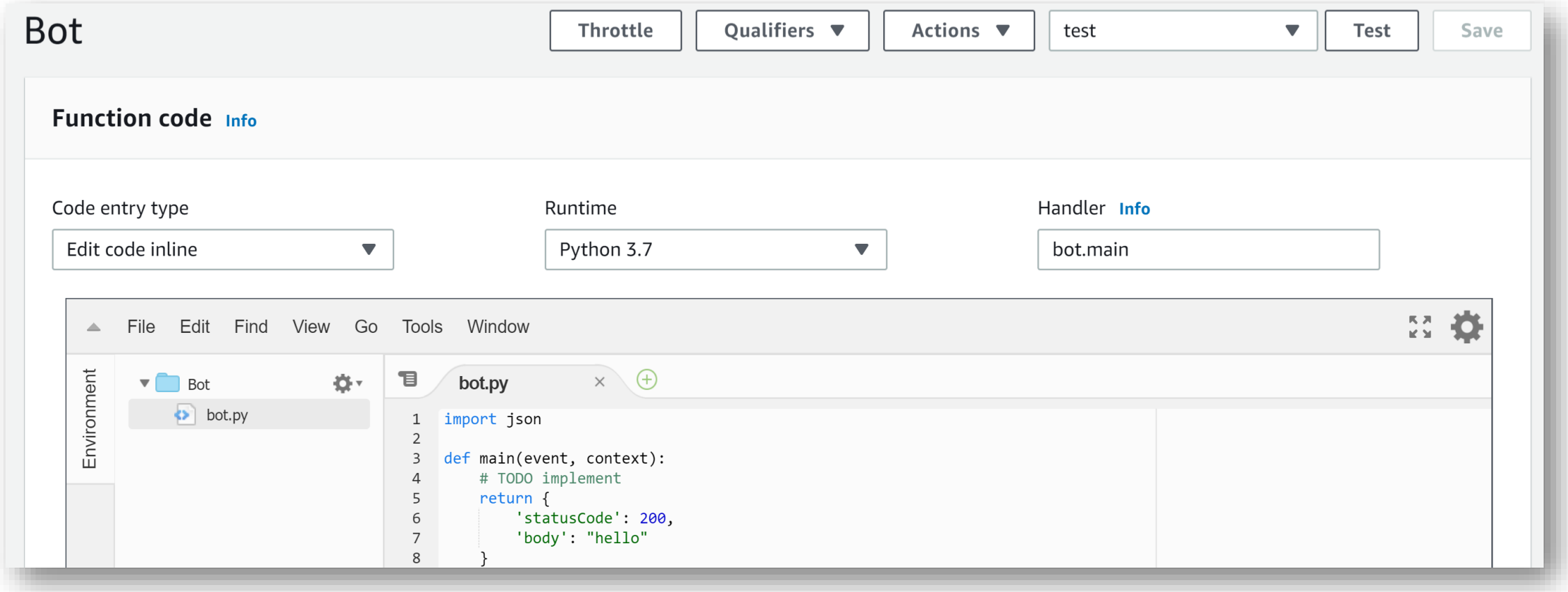


Function Handler

- **Event:** represents the trigger that caused the invocation of the lambda. For example, if your lambda is triggered by an API call, it contains the payload of request.

- **Context:** argument provides methods and properties that provide information about the invocation, function, and execution environment (memory, remaining time, etc.)

Activity-2

Write a simple bot
- if the payload contains “hello” it returns “hello”
- if it contains “how are you?” it returns “fine!”

Test the code

Connect to the world

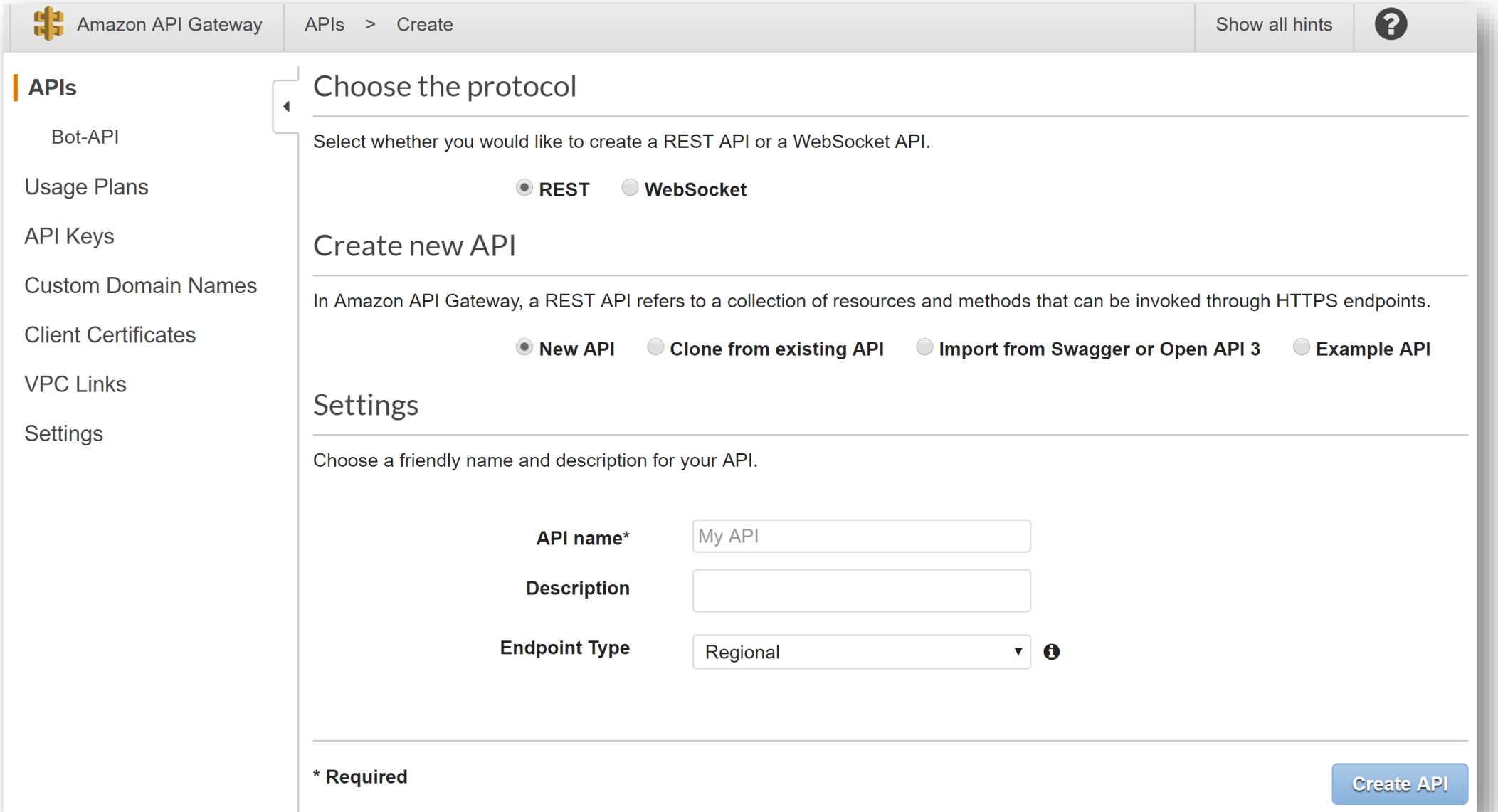
https://us-east-2.console.aws.amazon.com/apigateway/

Create a new API

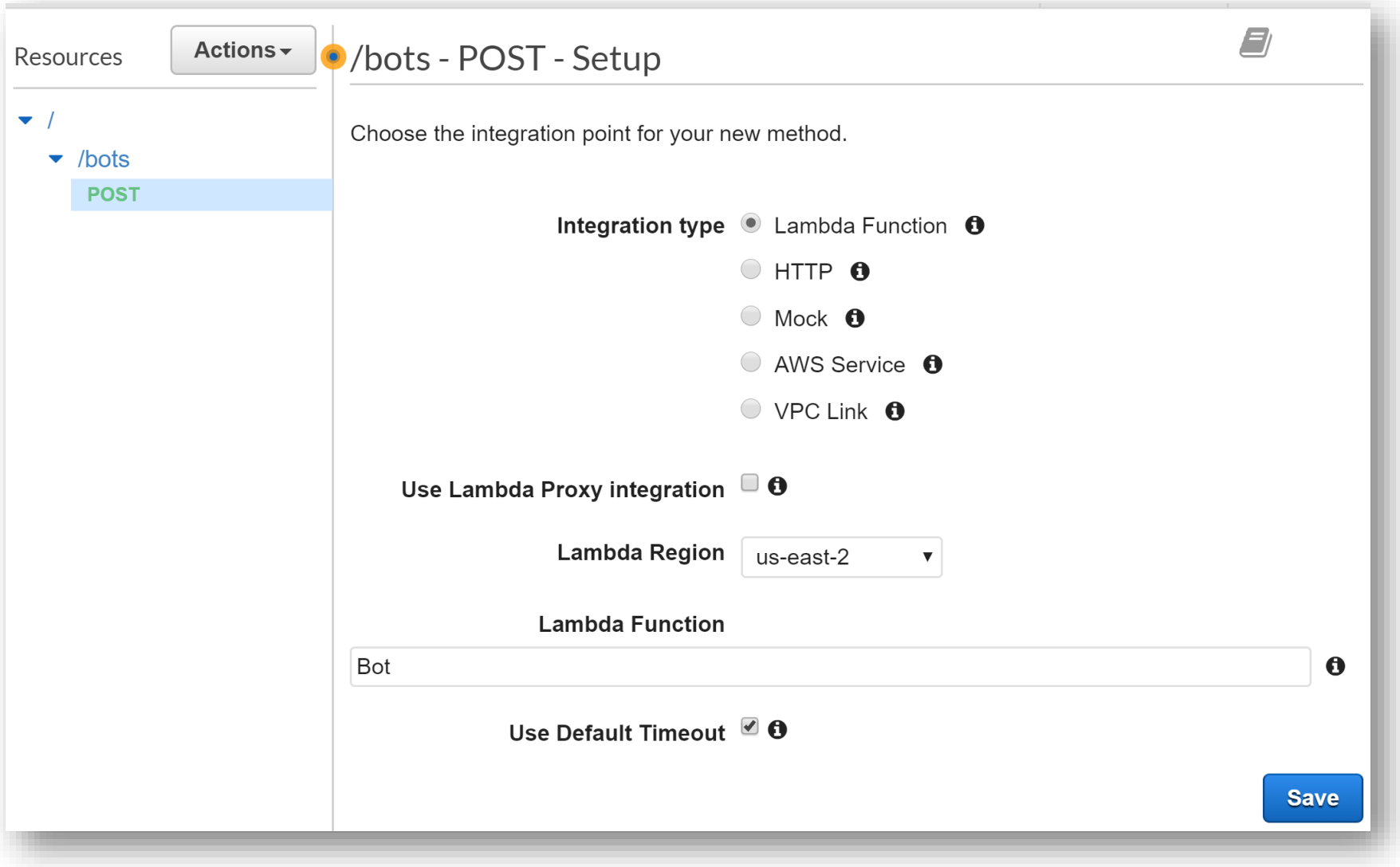
Design Resources

Deploy API

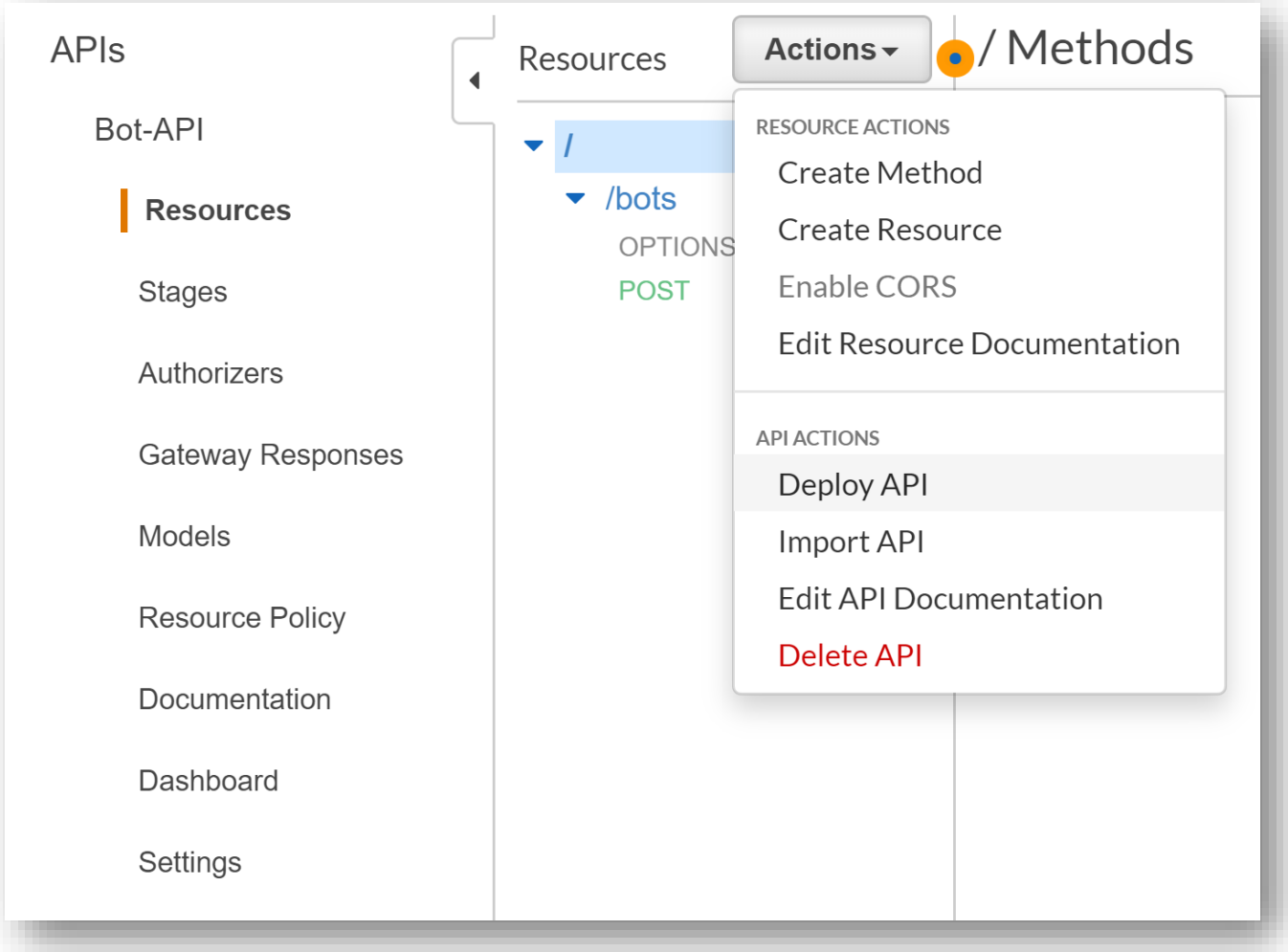
Create a new API



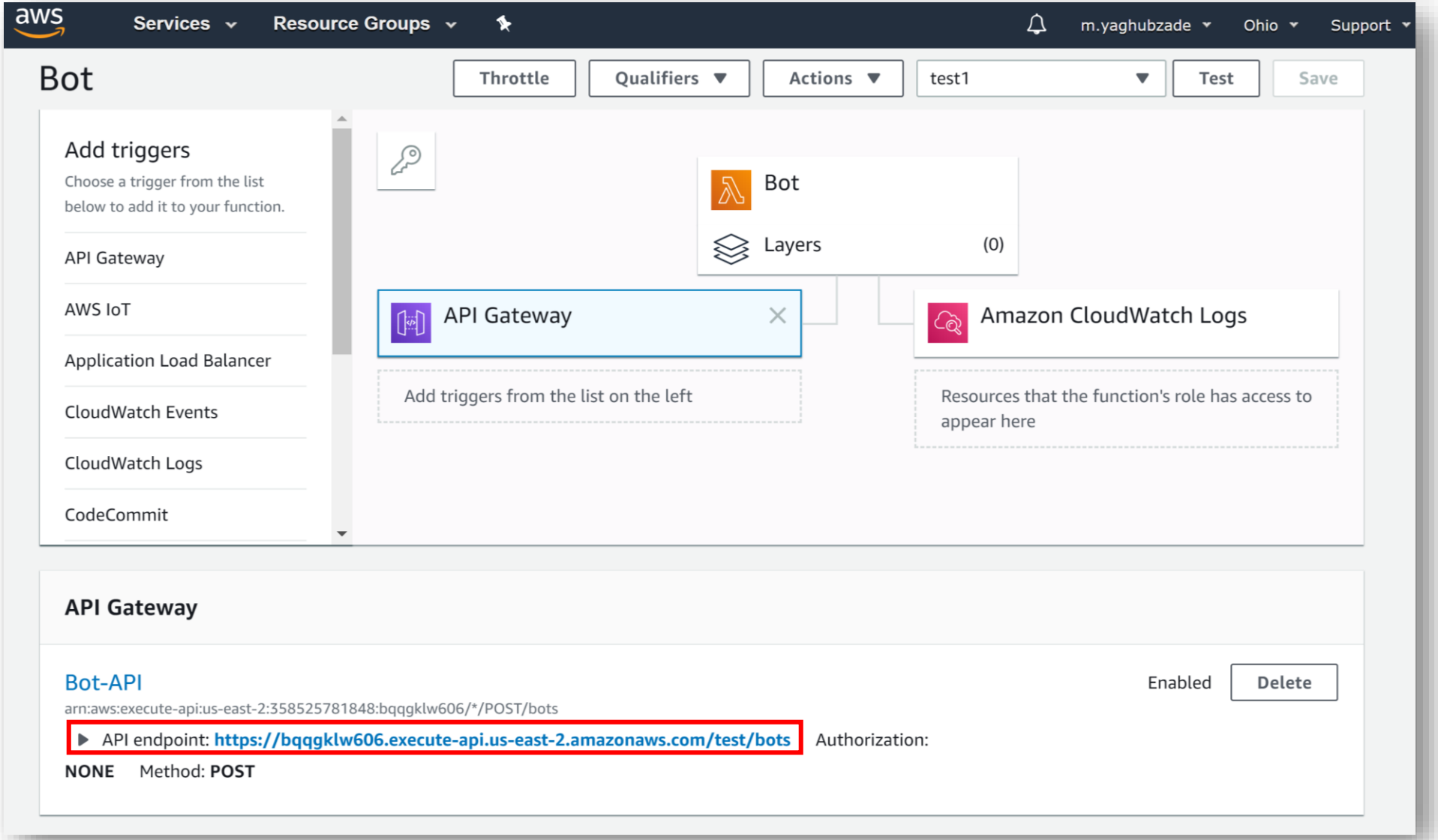
Create Resources



Deploy API


APIs
Bot-API
Resources
Stages
Authorizers
Gateway Responses
Models
Resource Policy
Documentation
Dashboard
Settings
Resources
Actions
/ Methods
/
/bots
OPTIONS
POST
RESOURCE ACTIONS
Create Method
Create Resource
Enable CORS
Edit Resource Documentation
API ACTIONS
Deploy API
Import API
Edit API Documentation
Delete API

Test Your API



Test Your API