

Hello World API – Documentation

This API returns a simple "Hello World" message when accessed via HTTP GET request. It uses AWS Lambda to run the backend logic and API Gateway to expose it as a RESTful endpoint.

Setup Steps:

1. Create IAM Role

- Go to IAM → Roles → Create Role
- Use case: Lambda
- Attach policy: AWSLambdaBasicExecutionRole
- Name it: LambdaHelloWorldRole

2. Create Lambda Function

- Go to Lambda → Create Function
- Choose Author from scratch
- Name: HelloWorldFunction
- Runtime: Python 3.12 (or Node.js etc.)
- Use the role: LambdaHelloWorldRole
- upload hello_world.py under Code → Upload a .zip file (or paste in editor and deploy).

3. Create API in API Gateway

- Go to API Gateway → Create API
- Choose REST API → Build
- Name it: Hello World API
- Endpoint type: Regional (default)

4. Create Resource and Method

- Under /, click Actions → Create Resource
 - Resource Name: hello
 - Resource Path: /hello
- Select /hello → Actions → Create Method → GET
 - Integration type: Lambda Function
 - Function name: HelloWorldFunction
 - Enable Lambda Proxy Integration
 - Save and grant permissions when prompted

5. Deploy the API

- Click Actions → Deploy API
- Create stage: prod
- Copy the Invoke URL (e.g., <https://6fuh4dryo7.execute-api.us-west-2.amazonaws.com/prod/hello>)

TESTING:

USE: `curl https://<api-id>.execute-api.<region>.amazonaws.com/<stage>/<resource>`

OR

Hello World

