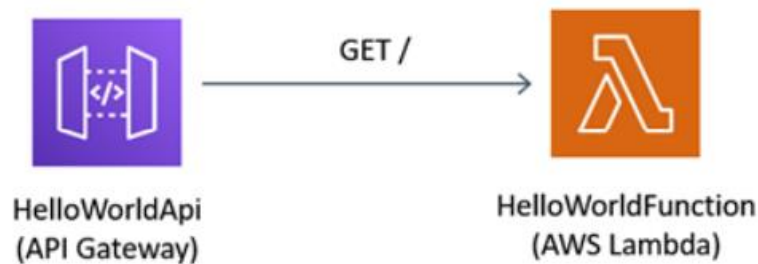


Ques : Explain the below aws architecture diagram in detail, also deploy the same aws architecture.

- For this assignment you need to take a look and study the documentation for SAM CLI, you need to deploy a Hello, World application on aws lambda.
- Make sure when you test the lambda url it will respond as Hello, World.



Services used in diagram:

1. API Gateway:
2. Lambda

Here in the diagram HelloWorldAPI is used to make Get request to the Lambda function HelloWorldFunction. And lambda function will return some response

Task 1: Deploy hello world application using sam CLI

```
CloudFormation outputs from deployed stack
-----
Outputs
-----
Key                HelloWorldFunctionIamRole
Description         Implicit IAM Role created for Hello World function
Value               arn:aws:iam::563684797122:role/sam-helloworld-HelloWorldFunctionRole-B0M0YVTTPEPO

Key                HelloWorldApi
Description         API Gateway endpoint URL for Prod stage for Hello World function
Value               https://6i5dpzm4m5.execute-api.us-east-1.amazonaws.com/Prod/hello/

Key                HelloWorldFunction
Description         Hello World Lambda Function ARN
Value               arn:aws:lambda:us-east-1:563684797122:function:sam-helloworld-HelloWorldFunction-u0URIIFQQONF
-----

Successfully created/updated stack - sam-helloworld in us-east-1

C:\Users\patel\OneDrive\Documents\Devops Ineuron\Assignment Ans\hello_ineuron>
```

Task 2: Call the API

Resources

Actions ▾


▼ /

▼ /hello

GET

← Method Execution

/hello - GET - Method Test



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

Path

No path parameters exist for this resource. You can define path parameters by using the syntax **{myPathParam}** in a resource path.

Query Strings

{hello}

Headers

{hello}

Stage Variables

No [stage variables](#) exist for this method.

Request: /hello

Status: 200

Latency: 25 ms

Response Body

```
{"message": "hello world"}
```

Response Headers

```
{"X-Amzn-Trace-Id":["Root=1-63b71112-193d3da5ed764c158ab56d63;sampled=0"]}
```

Logs

```
Execution log for request f9c9f57b-ab07-491c-8d79-714dc5d4a5f4
Thu Jan 05 18:04:02 UTC 2023 : Starting execution for request: f9c9f57b-ab07-491c-8d79-714dc5d4a5f4
Thu Jan 05 18:04:02 UTC 2023 : HTTP Method: GET, Resource Path: /hello
Thu Jan 05 18:04:02 UTC 2023 : Method request path: {}
```

It is returning Hello world response 😊