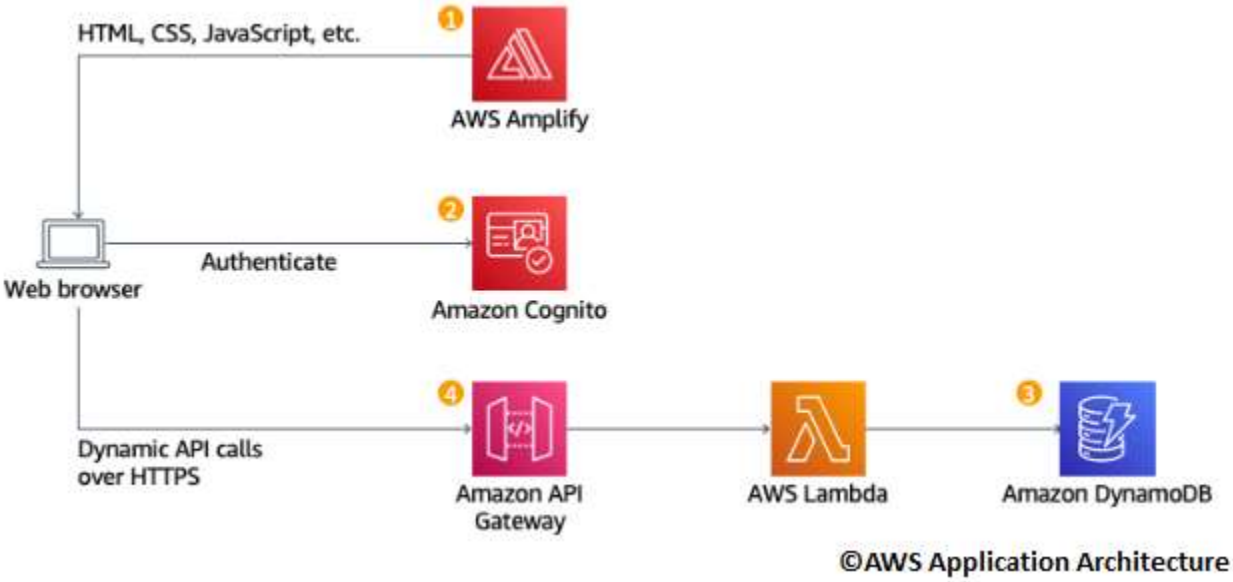
What is AWS Lambda?

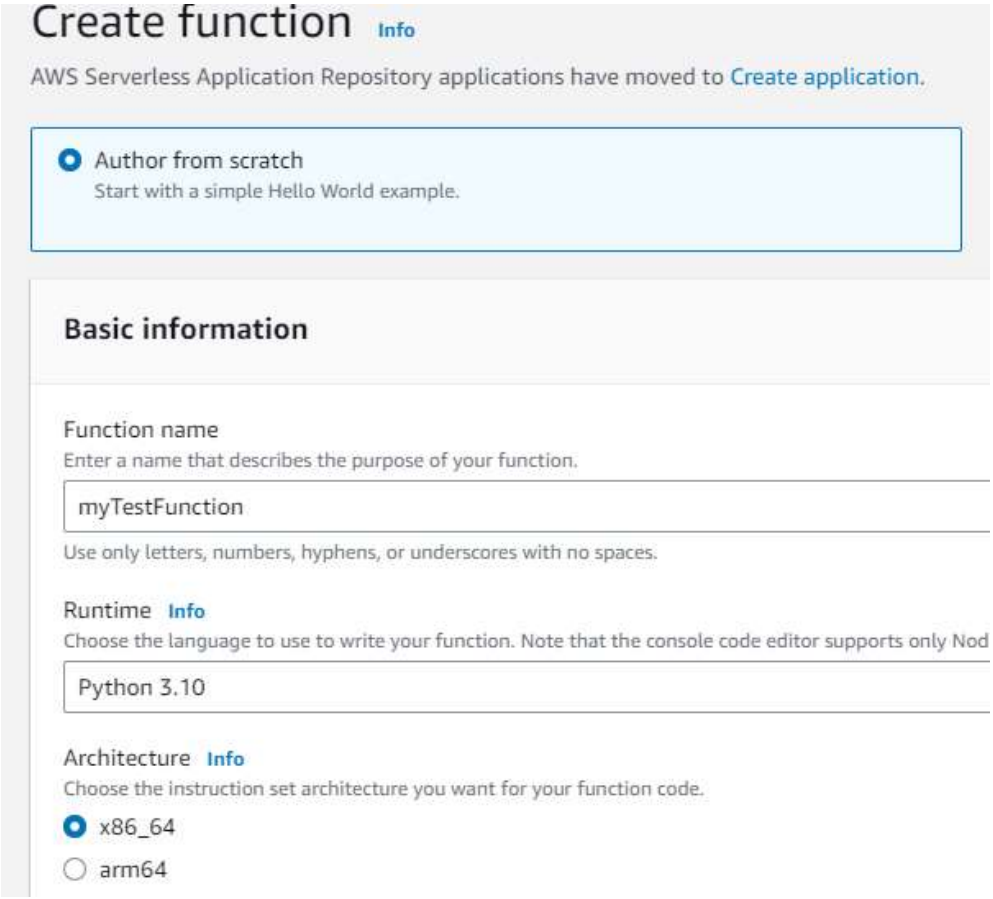
It is a serverless compute service provided by Amazon Web Services (AWS). It allows you to run your code without provisioning or managing servers. With AWS Lambda, you can focus on writing your application code and let AWS handle the underlying infrastructure.

Creating a Serverless Website using AWS Lambda!

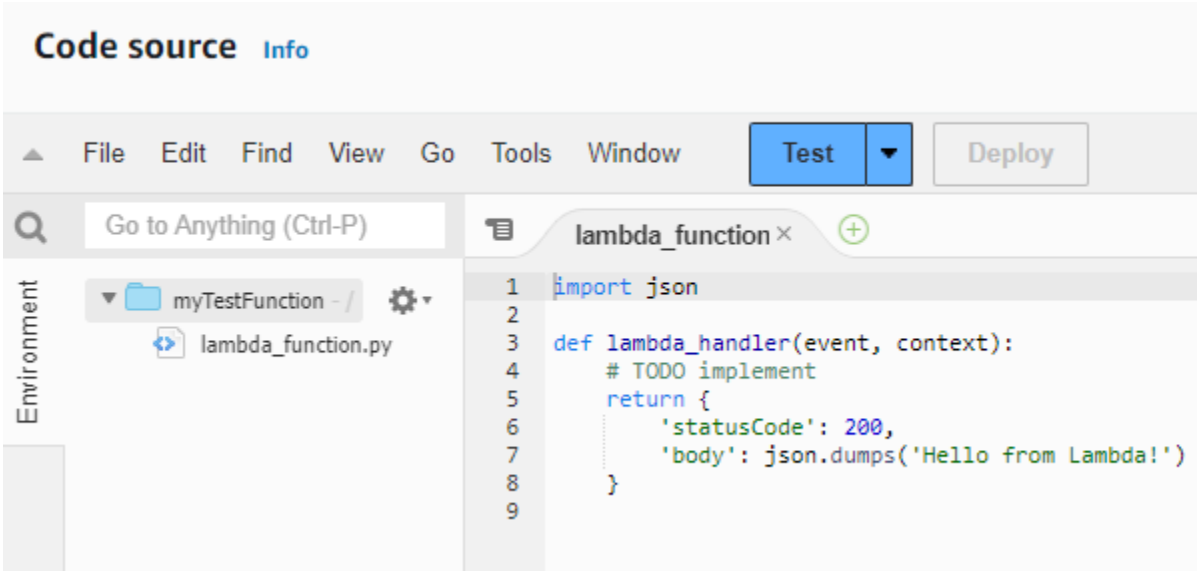
This is AWS Application Architecture:



1. **Create a Lambda Function**
    - Provide Function name, select the appropriate Runtime & Architecture for your function. Leave the remaining default settings and then create a function.



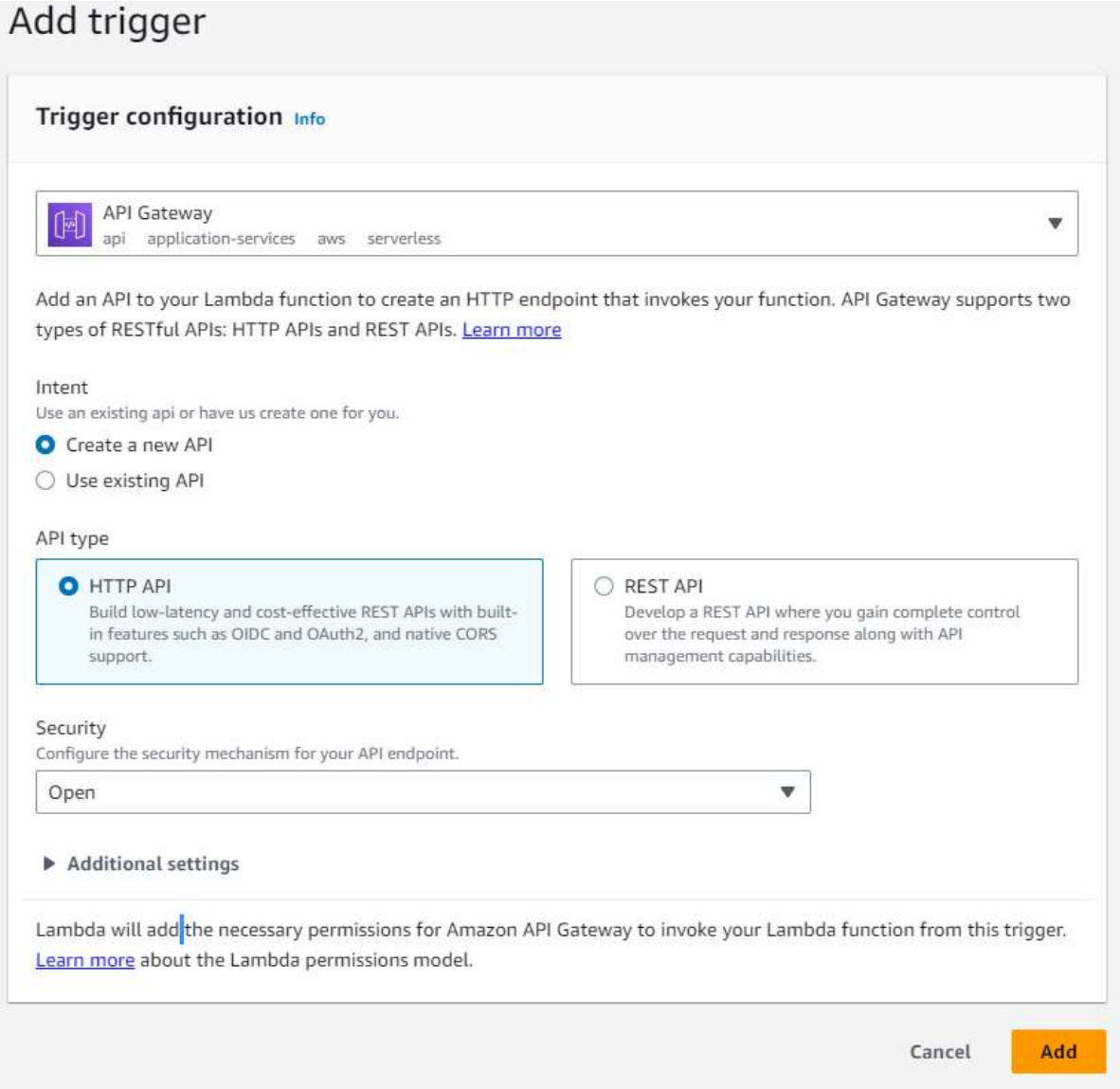
- Once the function is created, this would be the default JSON code in the lambda function:



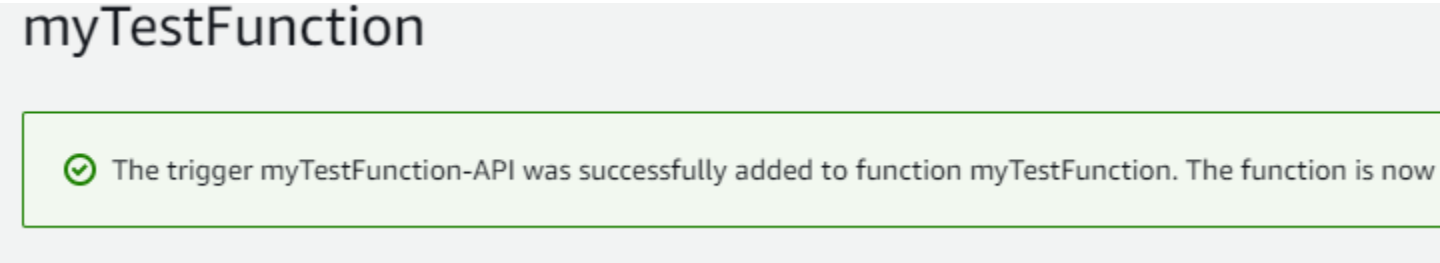
- The above JSON code will basically not display much except “Hello from Lambda!”.

Add Trigger

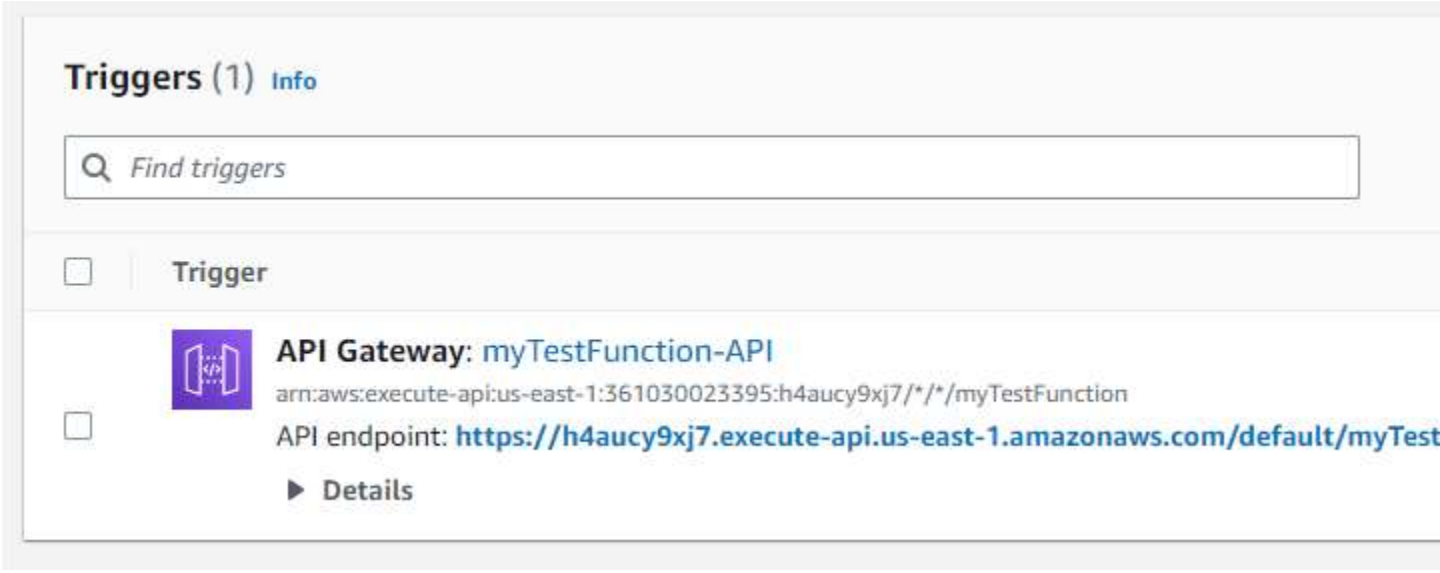
- Click on Add Trigger: For the trigger configuration, select API Gateway.
- Select Create a new API and HTTP API for API type
- Select Open for security.
- Keep all the defaults.

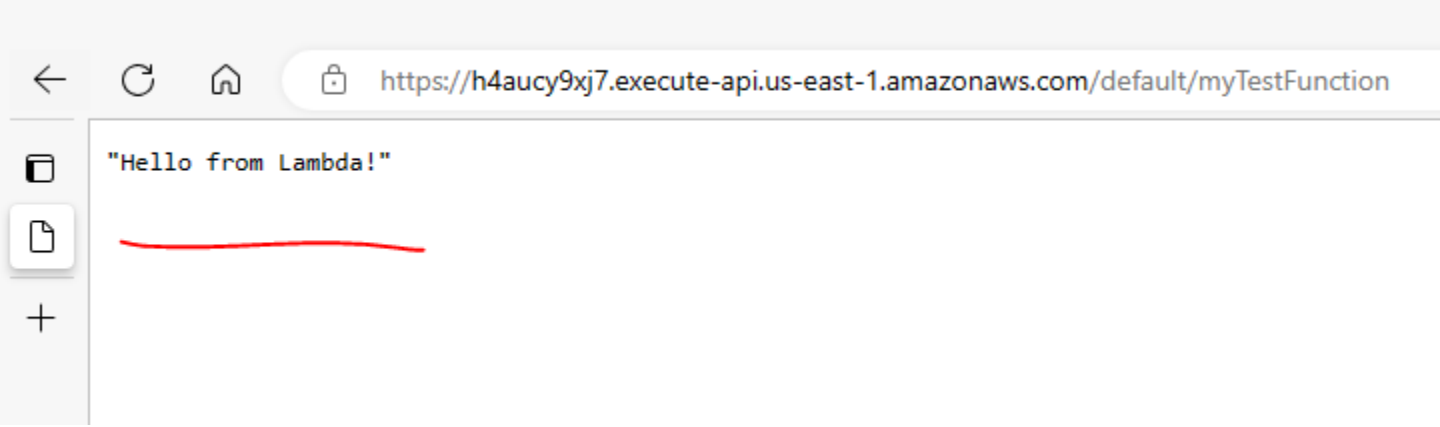


Up on clicking Add, the successful message will be displayed:



Note – if you copy and paste the below **API endpoint URL** into a web browser and you will see the "**Hello from Lambda**!" text displayed.

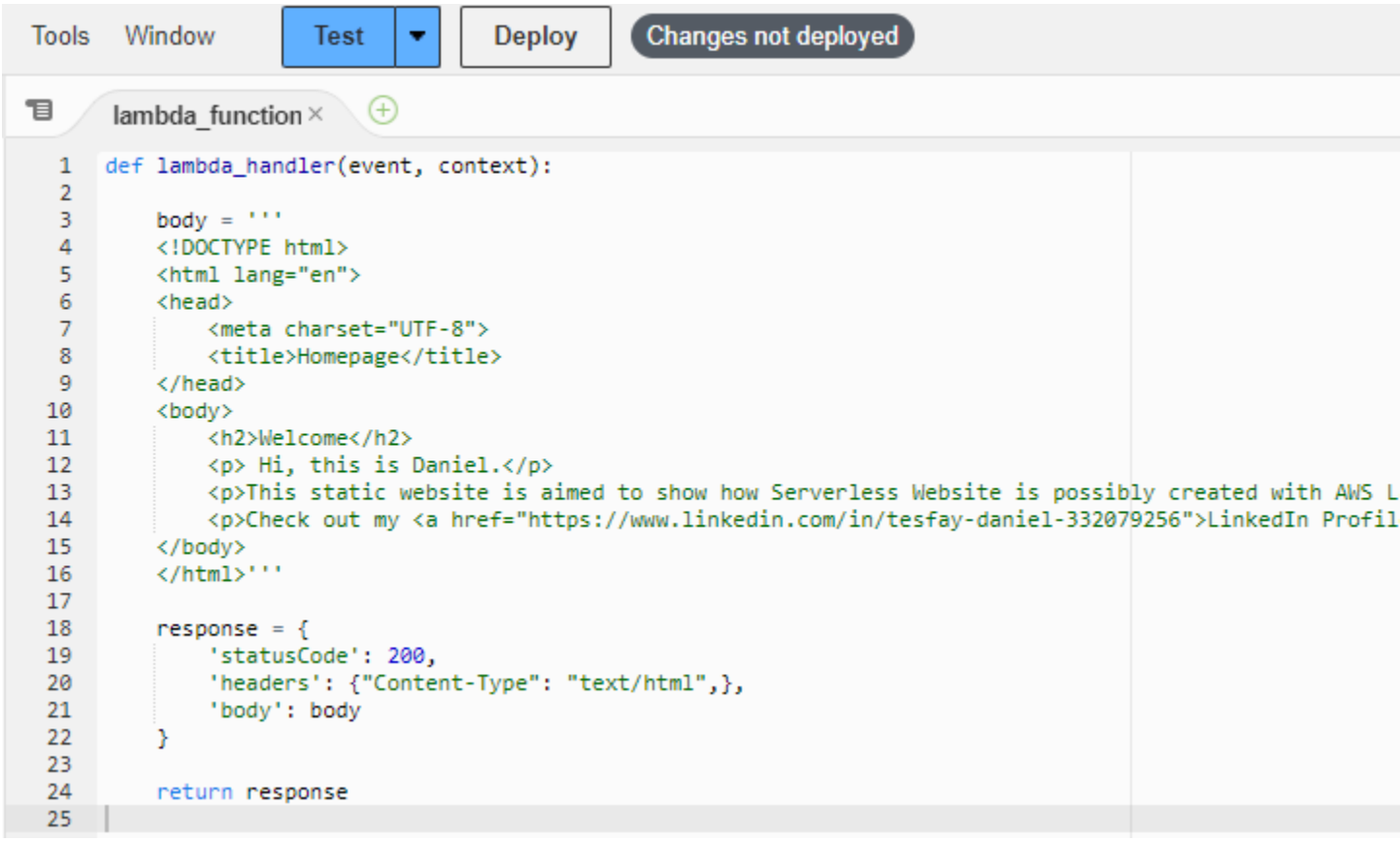




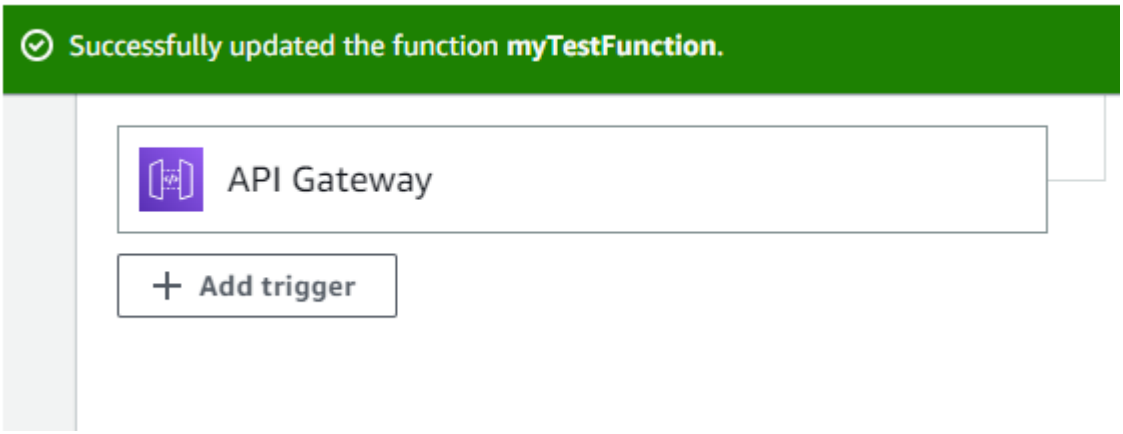
2. Edit Lambda Function with HTML Code

Edit the lambda function with the sample HTML code below. This would replace the JSON string information with new HTML displayed.

- Go to the Function (**myTestFunction**)



- Once editing complete, Deploy the code, then successful notification will be shown at the top of your Amazon Console like shown below:



Navigate to the same browser with the JSON string "**Hello from Lambda**!" displayed, refresh the page and you will see the new HTML information displayed as coded above.