GO Shopping Application Supporting Documentation

RYAN FINLAYSON

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1   Design Decisions

The lambda function uses AWS API Gateway to receive API calls to the endpoint. The lambda function contains the go code of the back-end server required to process API calls. The file was uploaded to AWS lambda as a zip file.
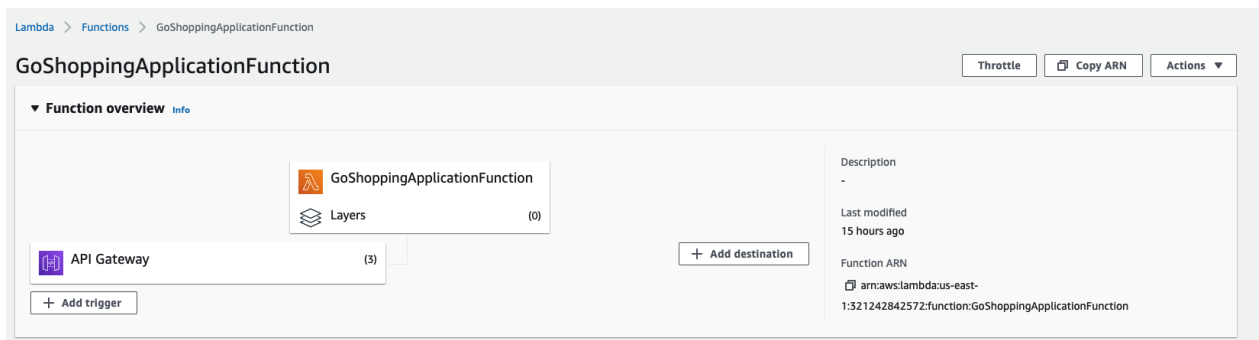

Figure 1: AWS Lambda Setup

2 API Functionality

The Shopping Application supports two API methods: *GET* and *POST*.

Figure 2: Supported API Methods

GET	Requirements	Purpose
/GoShoppingApplicationFunction		Get all products stored by API
/GoShoppingApplicationFunction?id=<id_value>		Get a specific product by ID
POST	**Requirements**	**Purpose**
/GoShoppingApplicationFunction	Request Body	Add a new product

Here is an example of the request body required for the POST request:

```
1  {
2      "id": 0,
3      "name": "Product Name",
4      "description": "Example Description",
5      "price": 10.95,
6      "image_url": "<img_url>"
7  }
```