Lambda functions

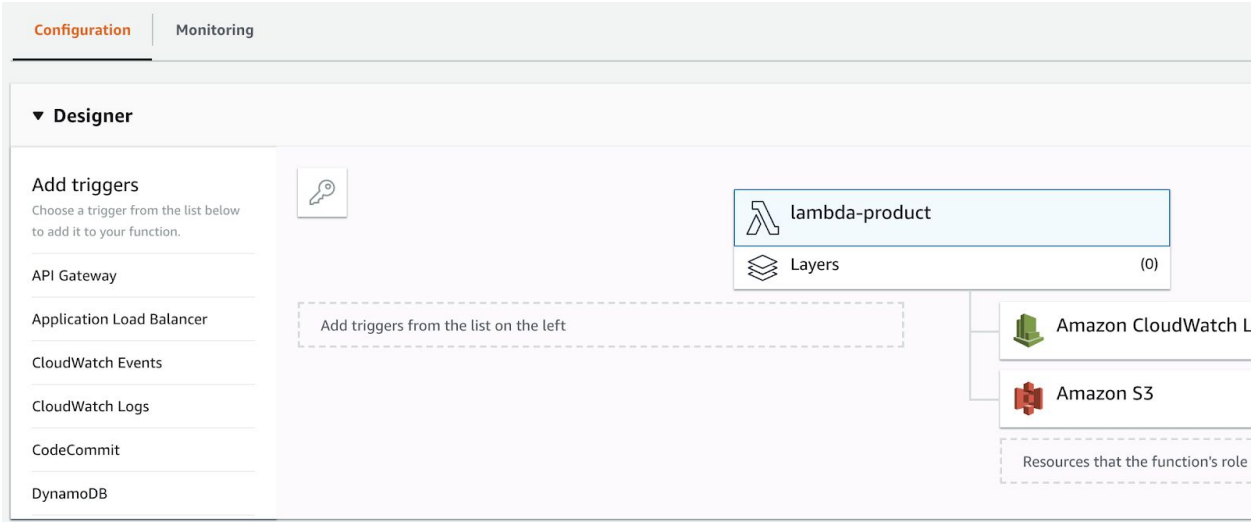
Lambda is a serverless service from AWS that allow the execution of small programs.

The functions will be triggered via Kong.

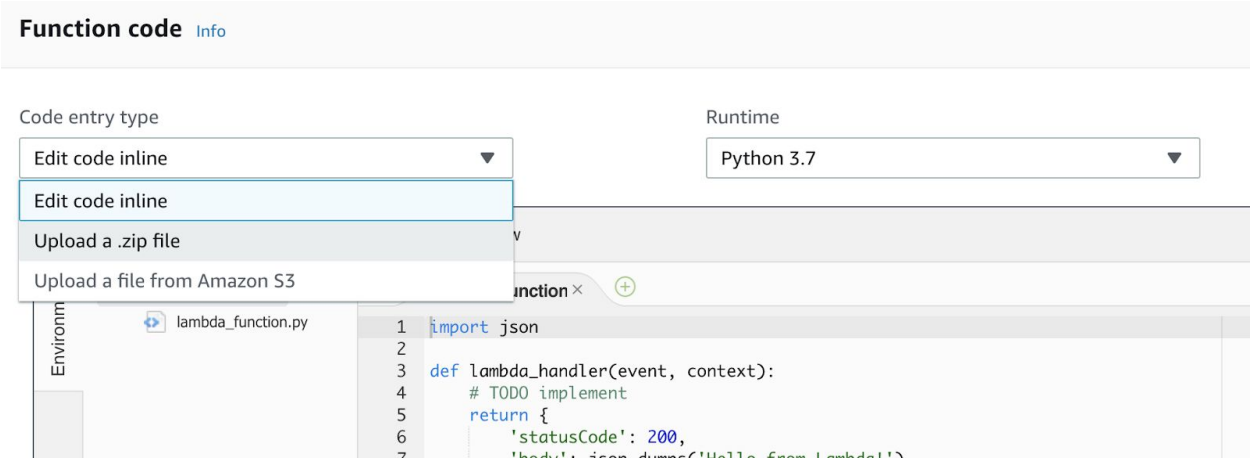
Lambda 1

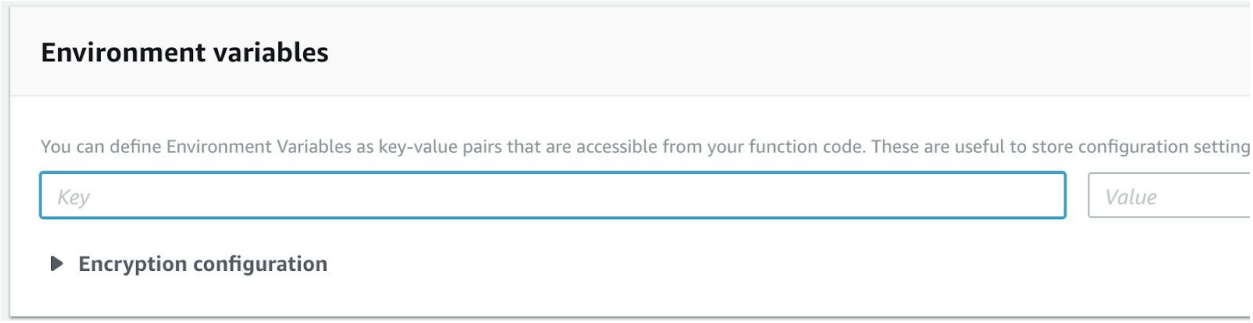
- Create a new function, **Author from scratch**
- Name
  getAllProducts
- Runtime
  Python3.7
- Role -> Choose an existing role
  lambda-dynamo-execution-role

- Select the function in the configuration panel

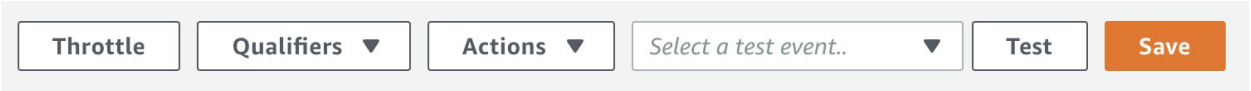


- Below you'll find the code panel, copy the content of **api-kong-lambda-christmas/lambda-functions/getAllProducts.py** file and select the Choose also the Runtime Python 3.7





- To finish save the function



For the next functions we will repeat the same steps.

Lambda 2
Name: getProductsDetails
Runtime: python3.7
Role -> Choose an existing role
lambda-dynamo-execution-role
Copy the content of : **api-kong-lambda-christmas/lambda-functions/getProductsDetails.py**

Lambda 3
Name: createNewCommand

Runtime: python3.7
Role -> Choose an existing role
lambda-dynamo-execution-role
Copy the content of :
api-kong-lambda-christmas/lambda-functions/createNewCommand.py

- We need to set some environment variables

MQ_APIKEY
API_URL

Host the website with S3

Our S3 bucket will host the shopping website.

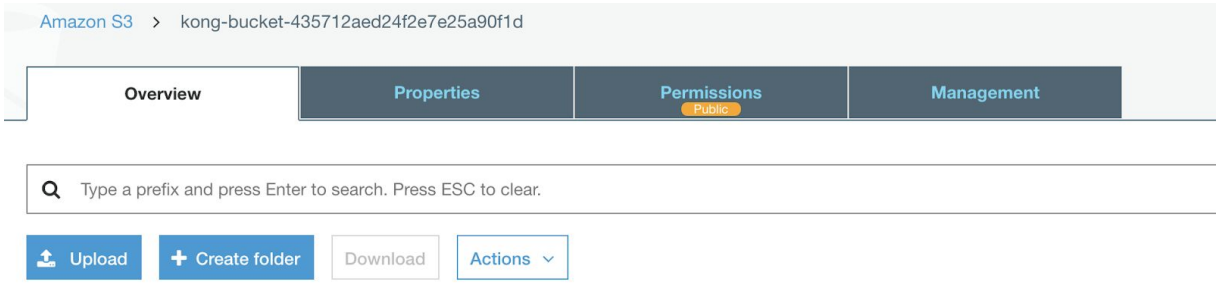
If you visit right now the url given in the lab 0 you will get a 404 error

Therefore we need to add some content.
Before you do you need to change the API_PLATFORM_ULI in the index.html and replace it with Kong's (webfront/index.html)

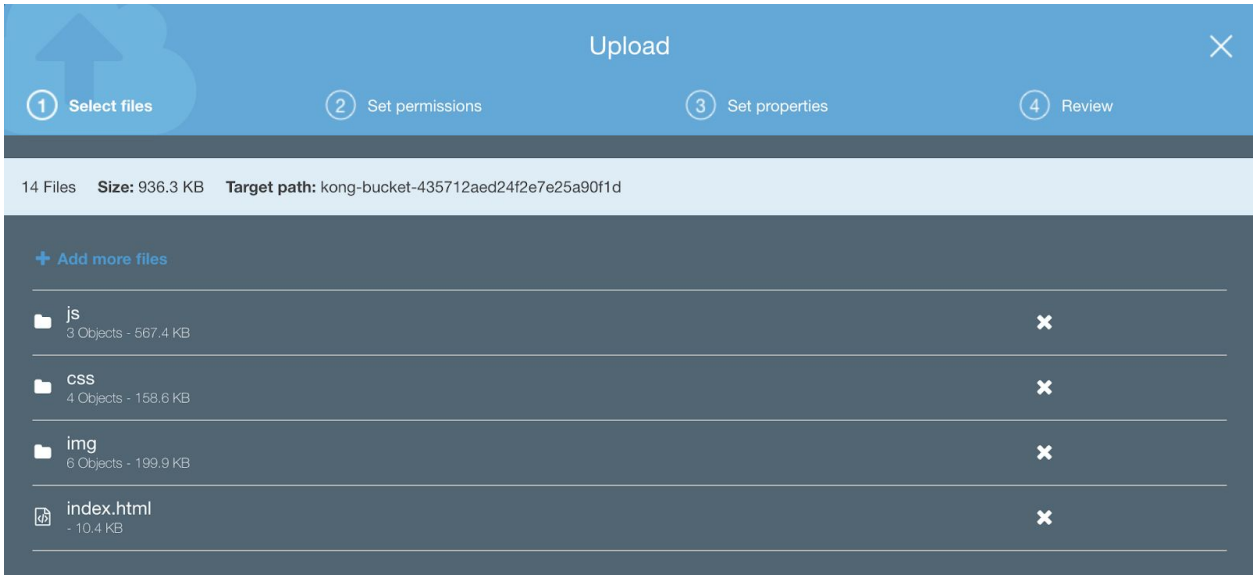
```
<script type="text/javascript">
    var API_PLATFORM_URL = "http://35.180.196.52:8000";
    var API_PRODUCTS = API_PLATFORM_URL + '/workshop/products';
    var API_COMMANDS = API_PLATFORM_URL + '/workshop/commands';
  </script>
```

- Head to the Amazon Console and access S3 service.

- Access your bucket (which was created by terraform)



- Click Upload, and select the whole content of the webfront directory



- Finally, you can access your Christmas shopping site, click on the url you were first given (lab 0).

Congrats !