

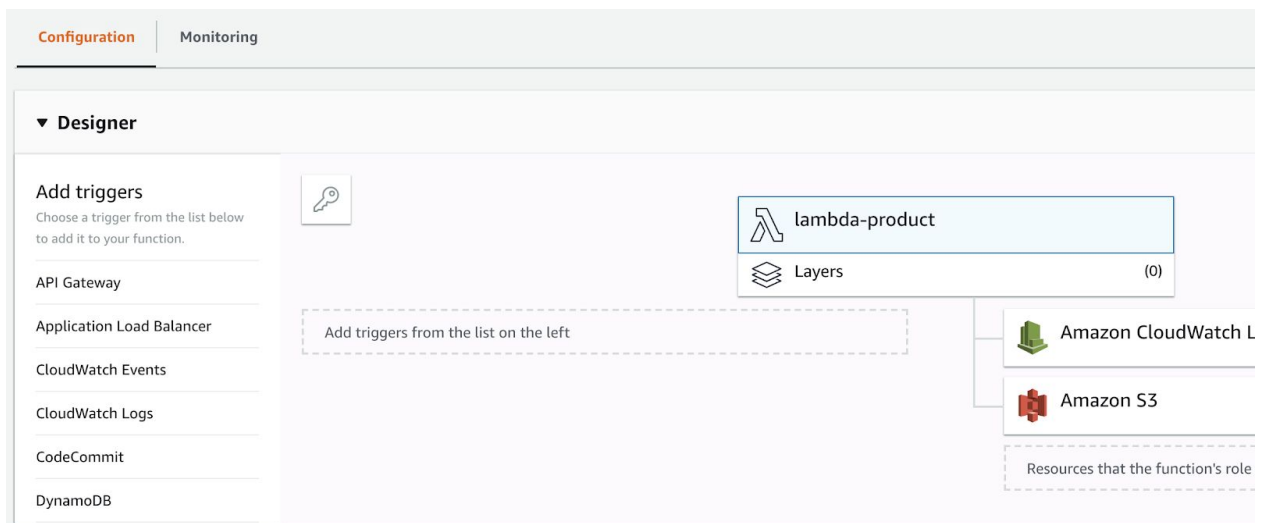
Lambda functions

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

Function code [Info](#)

Code entry type

Edit code inline

Edit code inline

Upload a .zip file

Upload a file from Amazon S3

Runtime

Python 3.7

Environment

lambda_function.py

```
1 import json
2
3 def lambda_handler(event, context):
4     # TODO implement
5     return {
6         'statusCode': 200,
7         'body': json.dumps('Hello from Lambda!')}
```

Environment variables

You can define Environment Variables as key-value pairs that are accessible from your function code. These are useful to store configuration settings.

Key

Value

► Encryption configuration

- To finish save the function

Throttle

Qualifiers ▼

Actions ▼

Select a test event.. ▼

Test

Save

For the next functions we will repeat the same steps.

Lambda 2

Name: getProductDetails

Runtime: python3.7

Role -> Choose an existing role

lambda-dynamo-execution-role

Copy the content of : **api-kong-lambda-christmas/lambda-functions/getProductDetails.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.

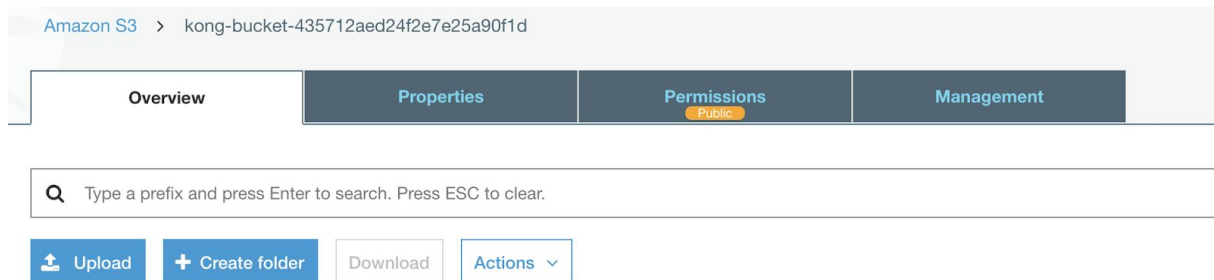
If you visit right now the url given in the lab 0 you will get a 404 error

Therefore we need to add some content.

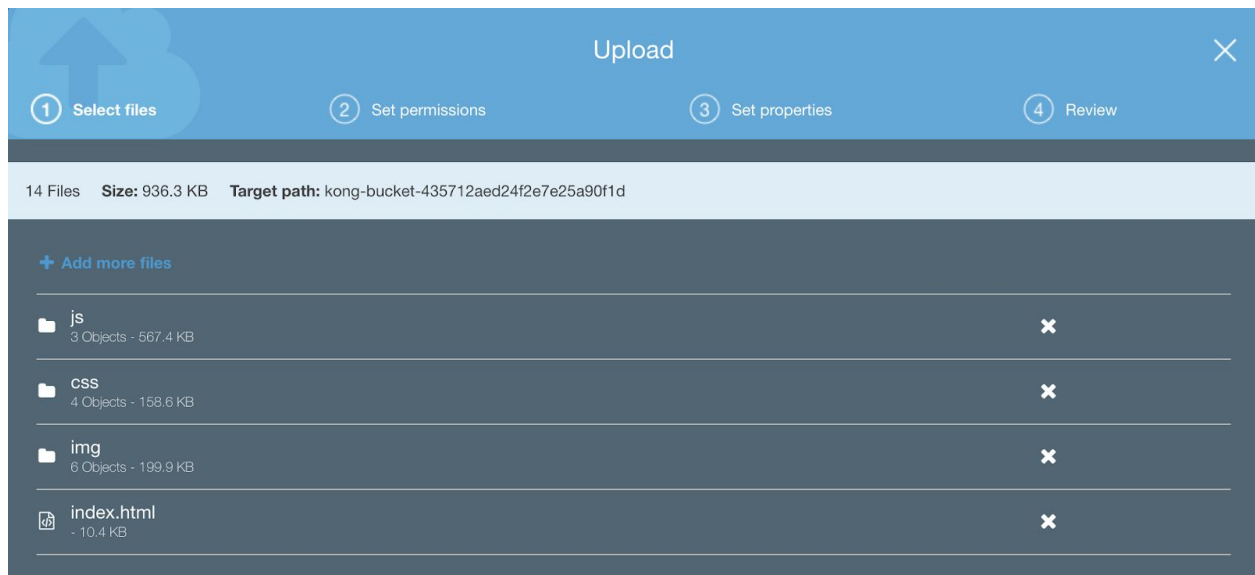
- Head to the Amazon Console and access S3 service.



- 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 !