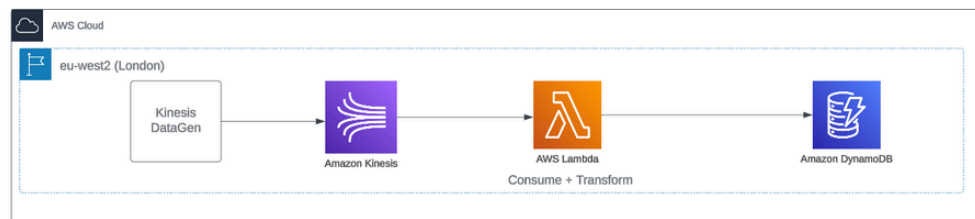


# Kinesis to DynamoDB

This is the solution below



The Kinesis DataGen is the solution below:

[Kinesis Data Generator](#)

I've configured the same to send to a kinesis data stream random data based on the pattern below:

(note I followed the steps to create a Cognito Account in AWS to send the data accross. The credentials are: **user: kinesis-datagen** and **passw: la alfanumerica de toda la vida**)

[Steps I followed.](#)

The generator I used for this solution:

```
1 {
2   "sensorId": {{random.number(50)}},
3   "s_timestamp": "{{date.now}}",
4   "currentTemperature": {{random.number(
5     {
6       "min":10,
7       "max":150
8     }
9   )}},
10  "status": "{{random.arrayElement(
11    ["OK", "FAIL", "WARN"]
12  )}}"
13 }
14
```

All the infrastructure is set in Terraform in the following repo:

[GitHub - salmeda/aws-kinesis-to-dynamodb](#)

Steps to deploy the infrastructure:

```
1 terraform validate
```

then

```
1 terraform apply
```

## IMPORTANT!!

**When finish, please destroy the artifacts as they are not free!!!**

```
1 terraform destroy
```

Note, if you need to test the lambda, the following file contains the payload to use for testing:

 [aws-kinesis-to-dynamodb/terraform/code/test.json](https://github.com/salmeda/aws-kinesis-to-dynamodb/tree/main/aws-kinesis-to-dynamodb/terraform/code/test.json) at main · salmeda/aws-kinesis-to-dynamodb

It looks like this:

```
1 {
2   "Records": [
3     {
4       "kinesis": {
5         "partitionKey": "partitionKey-03",
6         "kinesisSchemaVersion": "1.0",
7         "data": "eyJAgICAic2Vuc29ySWQiOiAxNywgICAgInNfdGltZXN0YW1wIjogIjIwMjQ0MDU0MTBUMTU6NTU6MTgrMDE6MDAiLCAgI
8         "sequenceNumber": "49545115243490985018280067714973144582180062593244200961",
9         "approximateArrivalTimestamp": 1428537600
10      },
11      "eventSource": "aws:kinesis",
12      "eventID": "shardId-000000000000:49545115243490985018280067714973144582180062593244200961",
13      "invokeIdentityArn": "arn:aws:iam::EXAMPLE",
14      "eventVersion": "1.0",
15      "eventName": "aws:kinesis:record",
16      "eventSourceARN": "arn:aws:kinesis:EXAMPLE",
17      "awsRegion": "us-east-1"
18    }
19  ]
20 }
```