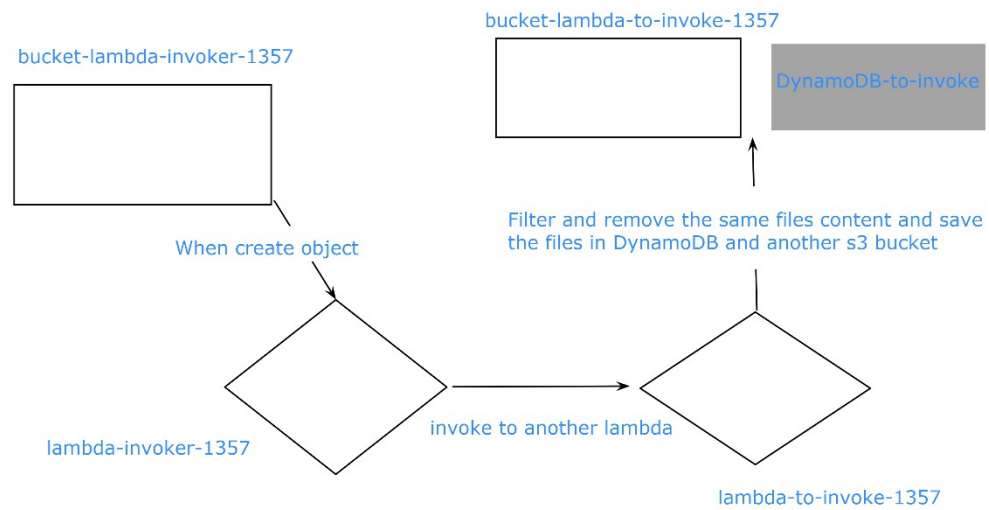


The Concept:



Lambda invoker :

```
1 import json
2 import urllib.parse
3 import boto3
4
5 # Define the client to interact with AWS Lambda
6 client = boto3.client('lambda')
7 s3 = boto3.client('s3')
8 def lambda_handler(event, context):
9     bucket = event['Records'][0]['s3']['bucket']['name']
10    key = urllib.parse.unquote_plus(event['Records'][0]['s3']['object']['key'], encoding='utf-8')
11    try:
12        print("bucket", event['Records'][0]['s3']['bucket'])
13        inputParams = {
14            "bucket" : bucket,
15            "key" : key
16        }
17        response = client.invoke(
18            FunctionName = 'arn:aws:lambda:us-east-1:697174678341:function:lambda-to-invoke-1357',
19            InvocationType = 'RequestResponse',
20            Payload = json.dumps(inputParams)
21        )
22        responseFromChild = json.loads(response['Payload'])
23        print(responseFromChild)
24        return responseFromChild
25    except Exception as e:
26        print(e)
27        raise e
28
29
30
```

Lambda to invoke:

```
1 import json
2 import boto3
3 import uuid
4 import hashlib
5 s3 = boto3.client('s3')
6 client = boto3.client('dynamodb')
7 def lambda_handler(event, context):
8     try:
9         bucket_invoker_event["bucket"]
10        key_invoker_event["key"]
11        response = s3.get_object(Bucket=bucket_invoker, Key=key_invoker)
12        text_bytes=response["Body"].read()
13        readable_hash = hashlib.sha256(text_bytes).hexdigest()
14        data = client.scan(TableName='DynamoDB-to-Invoke')
15        for item in data['Items']:
16            if readable_hash == item['hashlib-sha256-for-content']['$']:
17                occurrence = 2
18                if 'occurrence' in item.keys():
19                    occurrence=int(item['occurrence']['N']) + 1
20                new_item = {
21                    'hashlib-sha256-for-content': {
22                        '$': item['hashlib-sha256-for-content']['$'],
23                    },
24                    'url': {
25                        '$': item['url']['$']
26                    },
27                    'name': {
28                        '$': item['name']['$']
29                    },
30                    'size': {
31                        '$': item['size']['N']
32                    },
33                    'list of words of the first line': {
34                        '$$': item['list of words of the first line']['$$']
35                    },
36                    'occurrence': {
37                        'N': f'{occurrence}'
38                    }
39                }
```

lambda-to-invoke-1357-Role :

Summary

Creation date: September 30, 2022, 23:51 (UTC+03:00)

Last activity: 31 minutes ago

ARN: arn:aws:iam:697174678341:role/service-role/lambda-to-invoke-1357-Role

Maximum session duration: 1 hour

Permissions policies (5)

Policy name	Type	Description
AWSLambdaBasicExecutionRole-e21ee286-7b16-4bae-8ea1-6cb3a4368258	Customer managed	
AWSLambdaS3ExecutionRole-d37d33eb-1b8a-4665-8d58-91eeefec741a	Customer managed	
AWSLambdaSNSPublishPolicyExecutionRole-9ba12c36-a27e-4110-8e1c-7b4768d8666e	Customer managed	
AWSConfigRulesExecutionRole	AWS managed	Allows an AWS Lambda function to access the AWS Config API and the configuration snapshots that AWS Config delivers periodically to ...
DynamoDB-get-put-item-policy	Customer inline	

```
1 {
2   "Version": "2012-10-17",
3   "Statement": [
4     {
5       "Sid": "VisualEditor0",
6       "Effect": "Allow",
7       "Action": [
8         "dynamodb:PutItem",
9         "dynamodb:GetItem",
10        "dynamodb:Scan"
11      ],
12      "Resource": "arn:aws:dynamodb:us-east-1:697174678341:table/DynamoDB-to-Invoke"
13    }
14  ]
15 }
```

lambda-invoker-1357-Role:

lambda-invoker-1357-Role

[Delete](#)

Summary

[Edit](#)

Creation date
September 30, 2022, 23:53 (UTC-03:00)

Last activity
 37 minutes ago


ARN
 arn:aws:iam::697174678341:role/service-role/lambda-invoker-1357-Role

Maximum session duration
1 hour

[Permissions](#) [Trust relationships](#) [Tags](#) [Access Advisor](#) [Revoke sessions](#)






Permissions policies (5)

You can attach up to 10 managed policies.

 [Simulate](#) [Remove](#) [Add permissions](#) ▼

Filter policies by property or policy name and press enter.

< 1 > 

<input type="checkbox"/>	Policy name 	Type	Description
<input type="checkbox"/>	 AWSLambdaBasicExecutionRole-cc5330a-f26f-43cb-8e60-e5780c2140d5	Customer managed	
<input type="checkbox"/>	 AWSLambdaS3ExecutionRole-a635cf94-d84e-4fbf-ac0b-24eco7d27bad	Customer managed	
<input type="checkbox"/>	 AWSLambdaSNSPublishPolicyExecutionRole-4073d624-bc9d-4762-90e3-5c249da06eaa	Customer managed	
<input type="checkbox"/>	 lambda-invoker-policy	Customer managed	

lambda-invoker-policy

 [Copy](#) [Edit](#)

```
1 - {
2   "Version": "2012-10-17",
3   "Statement": [
4     {
5       "Sid": "InvokePermission",
6       "Effect": "Allow",
7       "Action": [
8         "lambda:InvokeFunction",
9         "lambda:InvokeAsync"
10      ],
11       "Resource": "arn:aws:lambda:us-east-1:697174678341:function:lambda-to-invoke-1357"
12     }
13   ]
14 }
```


The Result:


DynamoDB > Items > DynamoDB-to-invoke

Tables (1)


Any table tag

Find tables by table name

< 1 > 


 DynamoDB-to-invoke


DynamoDB-to-invoke



 Autopreview [View table details](#)

▶ Scan/Query items

Expand to query or scan items.

 Completed Read capacity units consumed: 0.5

Items returned (10)  [Actions](#) [Create item](#)

< 1 >  

<input type="checkbox"/>	hashlib-sha256-for-content	list of words of the first line	name	occu
<input type="checkbox"/>	09f2fcc61d0614665aab7fef43...	{"This"}	img8.txt	
<input type="checkbox"/>	6866af6b47c2f2f5890accf5d77...	{"This"}	img12.txt	
<input type="checkbox"/>	fb7ca61918470a931bc6ffdde...	{"This"}	img5.txt	
<input type="checkbox"/>	2d7b6a1df14bb6111a290ecf6b...	{"This"}	img10.txt	
<input type="checkbox"/>	83f2cc506e4ee52041015ec9034...	{"This"}	img7.txt	
<input type="checkbox"/>	abb8c75f2ce011ea0990ebf32b0...	{"This"}	img4.txt	
<input type="checkbox"/>	5610135f-0103-3661b7...

Completed Read capacity units consumed: 0.5

Items returned (10)



Actions

Create item

< 1 > ⚙️ 🔍

hashlib-sha256-for-content	list of words of the first line	name	occurrence	size	url
09f2fcc61d0614665aab7fefa43...	{"This"}	img8.txt		18	https://buc
6866af6b47c2f2f5890accf5d77...	{"This"}	img12.txt		19	https://buc
fbcb7ca61918470a931bc6ffdde...	{"This"}	img5.txt		18	https://buc
2d7b6a1df14bb6111a290ecf6b...	{"This"}	img10.txt		19	https://buc
83f2cc506e4ee52041015ec9034...	{"This"}	img7.txt		18	https://buc
abb8c75f2ce011ea0990ebf32b0...	{"This"}	img4.txt		18	https://buc
564d04c25aa9d4b3cc7164d7ca...	{"This"}	img11.txt	2	29	https://buc
50a4aec6475d242c5f07cb893cc...	{"This"}	img2.txt		18	https://buc
f22dc094723d65569000ac9695...	{"This"}	img6.txt	2	28	https://buc
583b4041624d46a1580400109...	{"This"}	img1.txt		18	https://buc

bucket-lambda-to-invoke-1357

Info

Publicly accessible

Objects Properties Permissions Metrics Management Access Points

Objects (10)

Objects are the fundamental entities stored in Amazon S3. You can use [Amazon S3 inventory](#) to get a list of all objects in your bucket. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)



Copy S3 URI



Copy URL



Download



Open



Delete

Actions

Create folder



Upload

Find objects by prefix

< 1 > ⚙️

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	img1.txt	txt	October 1, 2022, 06:06:22 (UTC+03:00)	18.0 B	Standard
<input type="checkbox"/>	img10.txt	txt	October 1, 2022, 06:06:20 (UTC+03:00)	19.0 B	Standard
<input type="checkbox"/>	img11.txt	txt	October 1, 2022, 06:06:22 (UTC+03:00)	29.0 B	Standard
<input type="checkbox"/>	img12.txt	txt	October 1, 2022, 06:06:21 (UTC+03:00)	19.0 B	Standard
<input type="checkbox"/>	img2.txt	txt	October 1, 2022, 06:06:23 (UTC+03:00)	18.0 B	Standard
<input type="checkbox"/>	img4.txt	txt	October 1, 2022, 06:06:16 (UTC+03:00)	18.0 B	Standard
<input type="checkbox"/>	img5.txt	txt	October 1, 2022, 06:06:16 (UTC+03:00)	18.0 B	Standard
<input type="checkbox"/>	img6.txt	txt	October 1, 2022, 06:06:17 (UTC+03:00)	28.0 B	Standard
<input type="checkbox"/>	img7.txt	txt	October 1, 2022, 06:06:18 (UTC+03:00)	18.0 B	Standard
<input type="checkbox"/>	img8.txt	txt	October 1, 2022, 06:06:19 (UTC+03:00)	18.0 B	Standard