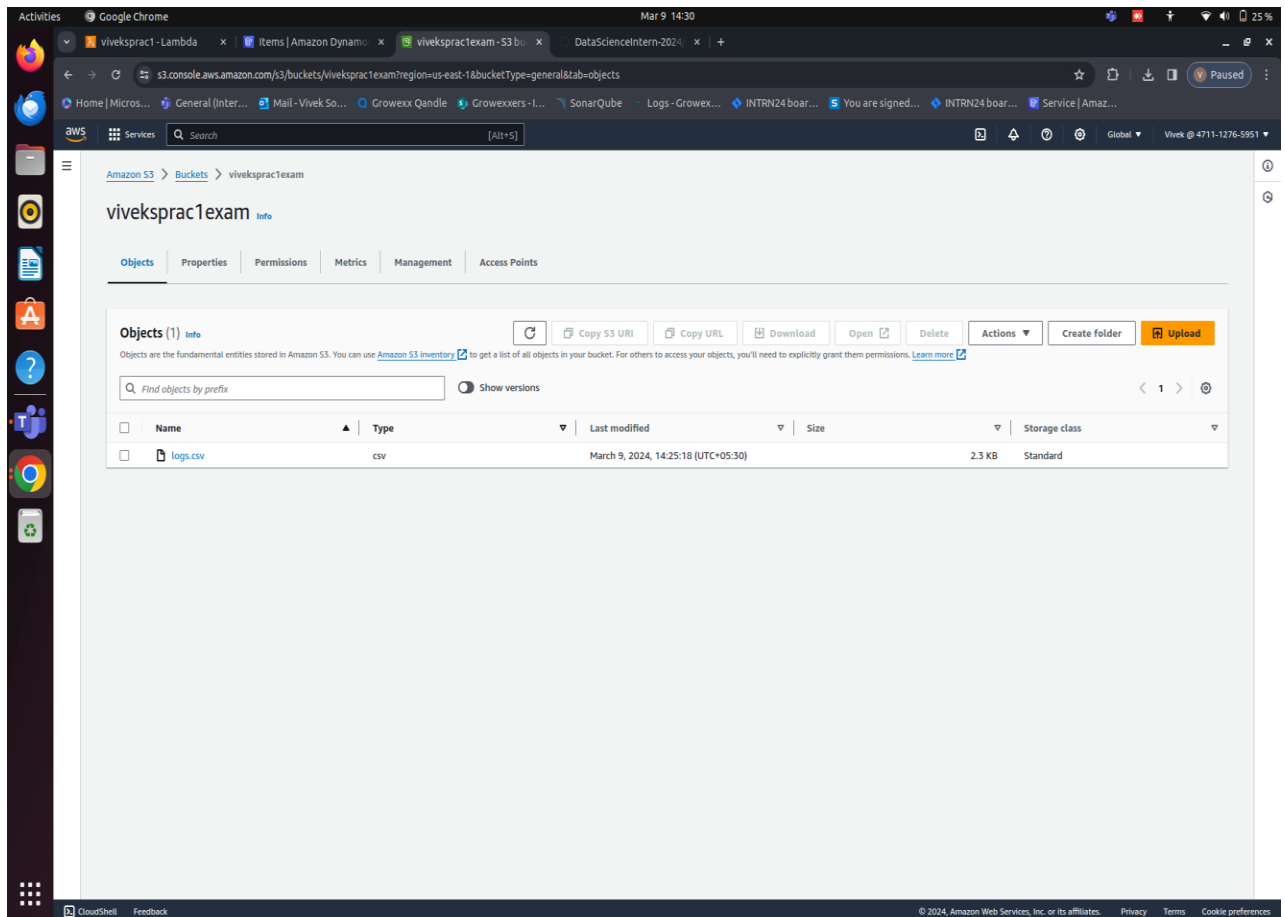


Practical 1:

1. Create a lamda function which reads credential reports file and save output into DynamoDb.
2. Take header as key and values as value Dynamo DB



Activities Google Chrome Mar 9 14:32

Lambda | us-east-1 x Items | Amazon Dynam... x vivekspractexam - S3 b... x DataScienceIntern-2024... x +

us-east-1.console.aws.amazon.com/lambda/home?region=us-east-1#/functions/vivekspract1tab-code

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aws Services Search [Alt+S]

Diagram Template

vivekspract1

Layers (0)

S3

+ Add trigger

+ Add destination

Description

-

Last modified

25 minutes ago

Function ARN

arn:aws:lambda:us-east-1:471112765951:function:vivekspract1

Function URL [info](#)

-

Code Test Monitor Configuration Aliases Versions

Code source info Upload from

File Edit Find View Go Tools Window Test Deploy Changes not deployed

Go to Anything (Ctrl-P)

Environment

vivekspract1

lambda_function.py

```
1 DYNAMODB_TABLE_NAME = 'vivekstable'
2 s3 = boto3.client('s3')
3
4 def lambda_handler(event, context):
5     print(event)
6
7     s3_bucket = event['Records'][0]['s3']['bucket']['name']
8     s3_key = event['Records'][0]['s3']['object']['key']
9
10    response = s3.get_object(Bucket=s3_bucket, Key=s3_key)
11    csv_content = response['Body'].read().decode('utf-8')
12
13    file_path = '/tmp/logs.csv'
14    with open(file_path, 'w') as temp_file:
15        temp_file.write(csv_content)
16
17    dynamodb = boto3.resource('dynamodb')
18    table = dynamodb.Table(DYNAMODB_TABLE_NAME)
19
20    with open(file_path, 'r') as file:
21        csv_reader = csv.reader(file)
22        header = next(csv_reader, None)
23        for row in csv_reader:
24            row = [None if value == "N/A" else value for value in row]
25            item = {header[i]: row[i] for i in range(len(header))}
```

CloudShell Feedback

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us-east-1.console.aws.amazon.com/lambda/home?region=us-east-1#/functions/viveksprac1?tab=code

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+ Add trigger

Code Test Monitor Configuration Aliases Versions

Code source Info Upload from

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Environment

Execution results

Test Event Name

Response

```
{
  "statusCode": 200,
  "body": "\"Data successfully loaded into DynamoDB\""
}
```

Function Logs

```
START RequestID: 32484666-76a6-4a9b-966f-d9598cd668cf Version: SLATEST
[Records]: [{"eventVersion": "2.0", "eventSource": "aws:s3", "awsRegion": "us-east-1", "eventTime": "1970-01-01T00:00:00.000Z", "eventName": "ObjectCreated:Put", "userIdentity": {"principalId": "EXAMPLE"}, "requestParameters": {"requestParameters": {}}, "responseMetadata": {}}]
END RequestID: 32484666-76a6-4a9b-966f-d9598cd668cf
REPORT RequestID: 32484666-76a6-4a9b-966f-d9598cd668cf Duration: 1922.04 ms Billed Duration: 1923 ms Memory Size: 128 MB Max Memory Used: 86 MB Init Duration: 487.56 ms
```

Request ID

32484666-76a6-4a9b-966f-d9598cd668cf

Code properties Info

Package size	SHA256 hash	Last modified
685.0 byte	YKdkaSG5YM0DpWtr1B6+/NS1gOKJSHRvhVdmYPQ5U-	March 9, 2024 at 02:07 PM GMT+5:30

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us-east-1.console.aws.amazon.com/dynamodb2/home?region=us-east-1#item-explorer?maximize=true&operation=SCAN&table=vivekstable

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DynamoDB

Dashboard

Tables

Explore items

PartiQL editor

Backups

Exports to S3

Imports from S3

Integrations

Reserved capacity

Settings

DAX

Clusters

Subnet groups

Parameter groups

Events

DynamoDB > Explore items > vivekstable

Tables (2)

Any tag key

Any tag value

Find tables by table name

CredentialReportTableJatan

vivekstable

vivekstable

Autopreview

View table details

Scan or query items

Scan

Query

Select a table or index

Table - vivekstable

Select attribute projection

All attributes

Filters

Run

Reset

Items returned (9)

Actions

Create item

	user (String)	access_key_1_active	access_key_1_last_rotated	access_key_1_last_used_date	access_key_1_last_u
	Vivek	false	null	null	null
	Jigar	false	null	null	null
	Omkar	true	2024-01-24T07:07:33+00:00	2024-01-31T10:38:00+00:00	us-east-1
	purvang	false	null	null	null
	priyansh	false	null	null	null
	<root_account>	false	null	null	null
	jatan	false	null	null	null
	jagruti	false	null	null	null

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