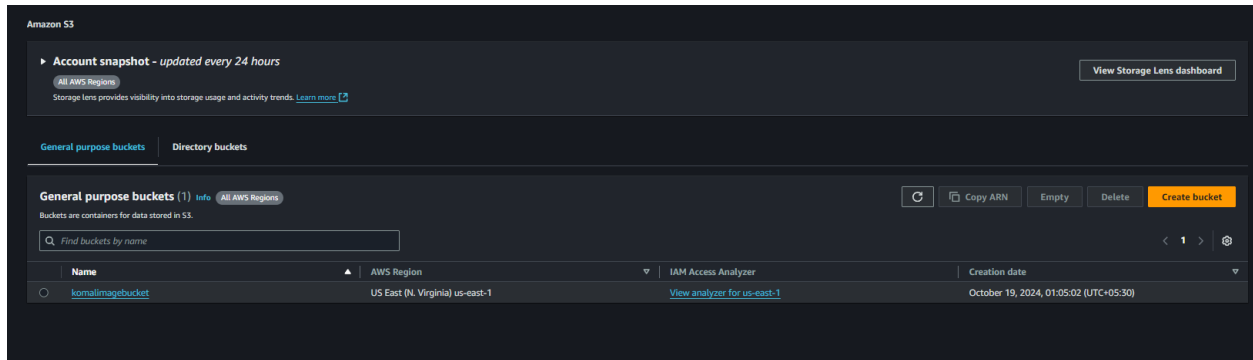


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## SERVERLESS MONITORING USING NAGIOS

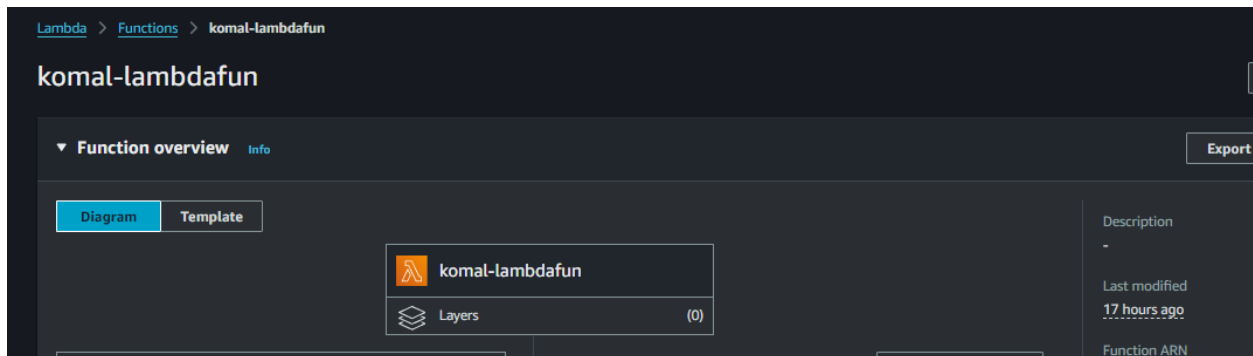
### CREATION OF S3 BUCKET:

CREATE AN S3 BUCKET OF IN AWS

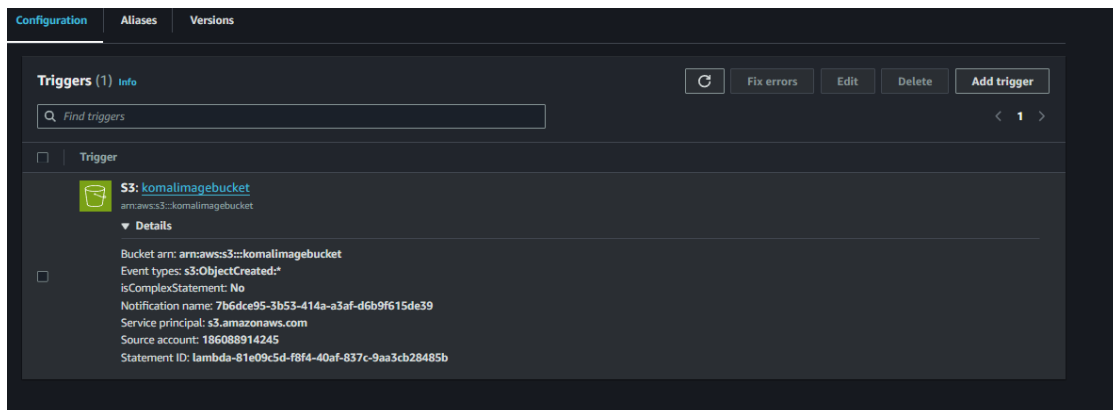


### CREATION OF LAMBDA FUNCTION

CREATE A NEW LAMBDA FUNCTION AND CONFIGURE IT.



ADD AN S3 TRIGGER TO GET UPDATED WHEN A NEW IMAGE IS UPLOADED IN THE S3 BUCKET



UPDATE THE PYTHON SCRIPT IN THE CODE SOURCE TO WRITE A CODE THAT PRINTS “AN IMAGE IS UPLOADED” WHEN THE LAMBDA FUNCTION IS TRIGGERED BY S3.

Write the below code in the script.

```
import json

import logging

# Set up logging
logger = logging.getLogger()
logger.setLevel(logging.INFO)

def lambda_handler(event, context):

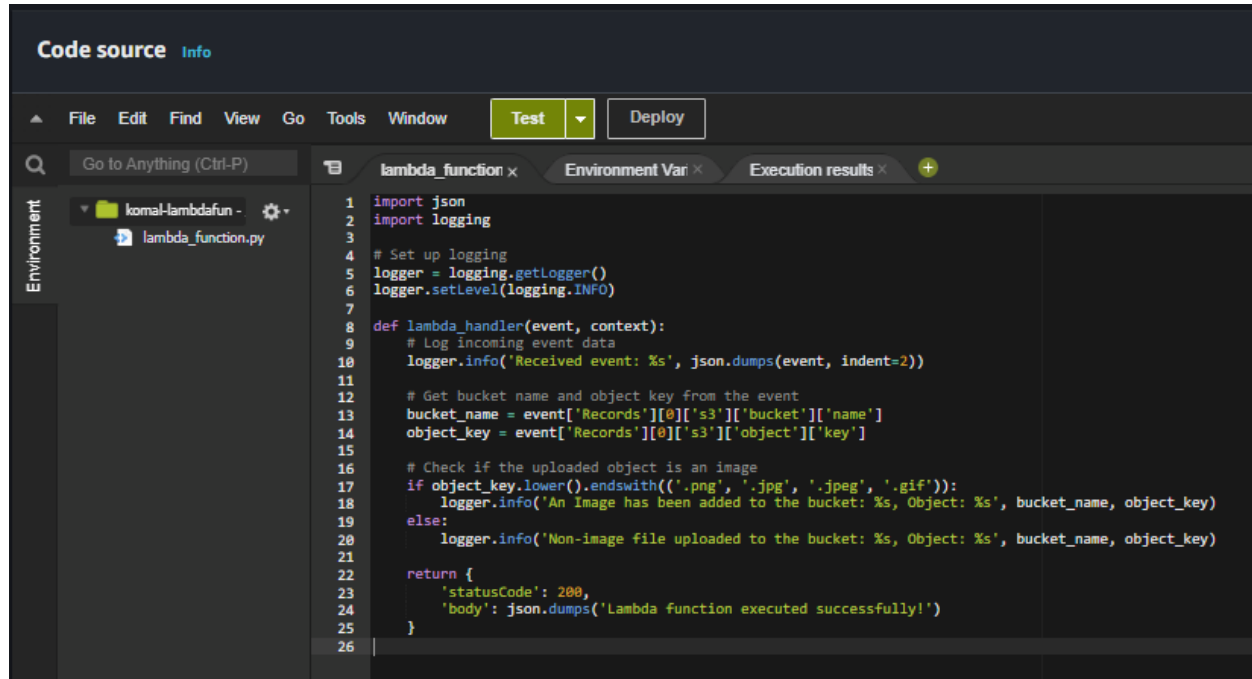
    # Log incoming event data
    logger.info('Received event: %s', json.dumps(event, indent=2))

    # Get bucket name and object key from the event
    bucket_name = event['Records'][0]['s3']['bucket']['name']
    object_key = event['Records'][0]['s3']['object']['key']

    # Check if the uploaded object is an image
    if object_key.lower().endswith(('png', 'jpg', 'jpeg', 'gif')):
        logger.info('An Image has been added to the bucket: %s, Object: %s', bucket_name, object_key)
    else:
        logger.info('Non-image file uploaded to the bucket: %s, Object: %s', bucket_name, object_key)

    return {
        'statusCode': 200,
        'body': json.dumps('Lambda function executed successfully!')
    }
```

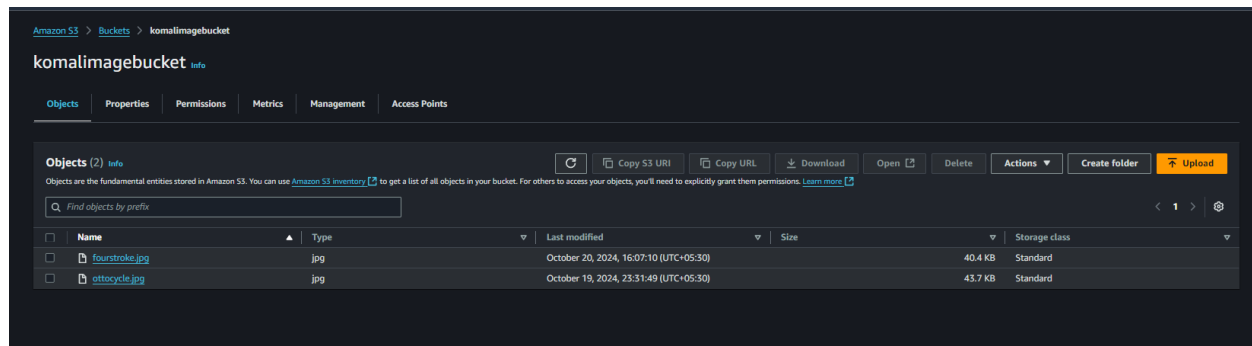
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The screenshot shows the AWS Lambda console's 'Code source' tab. The left sidebar displays the 'Environment' section with a folder named 'komal-lambdafun' and a file named 'lambda\_function.py'. The main area shows the Python code for the lambda function. The code imports 'json' and 'logging', sets up logging, and defines a 'lambda\_handler' function. The handler logs the event data, extracts the bucket name and object key from the event, and checks if the object is an image. If it is an image, it logs a message; otherwise, it logs a message indicating it's a non-image file. The function returns a status code of 200 and a success message.

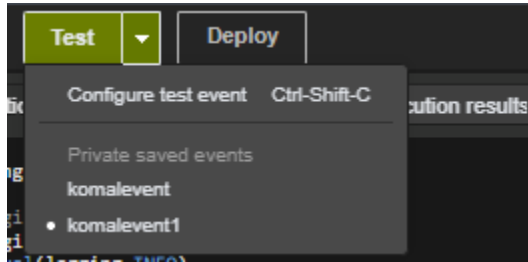
```
1 import json
2 import logging
3
4 # Set up logging
5 logger = logging.getLogger()
6 logger.setLevel(logging.INFO)
7
8 def lambda_handler(event, context):
9     # Log incoming event data
10    logger.info('Received event: %s', json.dumps(event, indent=2))
11
12    # Get bucket name and object key from the event
13    bucket_name = event['Records'][0]['s3']['bucket']['name']
14    object_key = event['Records'][0]['s3']['object']['key']
15
16    # Check if the uploaded object is an image
17    if object_key.lower().endswith(('png', 'jpg', 'jpeg', 'gif')):
18        logger.info('An Image has been added to the bucket: %s, Object: %s', bucket_name, object_key)
19    else:
20        logger.info('Non-image file uploaded to the bucket: %s, Object: %s', bucket_name, object_key)
21
22    return {
23        'statusCode': 200,
24        'body': json.dumps('Lambda function executed successfully!')
25    }
26
```

## 1)UPLOAD AN IMAGE IN THE S3 BUCKET:



NOW GO BACK TO LAMBDA FUNCTION AND

DEPLOY THE CODE BY CLICKING ON THE DEPLOY OPTION AND TEST IT.



-USE THE SUITABLE EVENT FOR YOUR CODE.

THE EVENT SHOULD INCLUDE BELOW SCRIPT.

```
{
  "Records": [
    {
      "eventVersion": "2.1",
      "eventSource": "aws:s3",
      "awsRegion": "us-east-1",
      "eventTime": "2024-10-19T17:00:00.000Z",
      "eventName": "ObjectCreated:Put",
      "userIdentity": {
        "principalId": "EXAMPLE"
      },
      "requestParameters": {
        "sourceIPAddress": "127.0.0.1"
      },
      "responseElements": {
        "x-amz-request-id": "EXAMPLE123456789",
        "x-amz-id-2": "EXAMPLE123/456EXAMPLE="
      },
      "s3": {
        "s3SchemaVersion": "1.0",
        "configurationId": "testConfigRule",
        "bucket": {
```

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```
"name": "example-bucket",

"ownerIdentity": {

  "principalId": "EXAMPLE"

},

"arn": "arn:aws:s3:::example-bucket"

},

"object": {

  "key": "test-image.jpg",

  "size": 1024,

  "eTag": "0123456789abcdef0123456789abcdef",

  "sequencer": "0A1B2C3D4E5F678901"

}

}

}

}}
```

Configure test event

A test event is a JSON object that mocks the structure of requests emitted by AWS services to invoke a Lambda function. Use it to see the function's invocation result.

To invoke your function without saving an event, modify the event, then choose Test. Lambda uses the modified event to invoke your function, but does not overwrite the original event until you choose Save changes.

Test event action

Create new event

Edit saved event

Event name

komalevent1

Refresh

Delete

Event JSON

Format JSON

1 \* 0

2 \* "Records": [

3 \* {

4 \* "eventVersion": "2.1",

5 \* "eventSource": "aws:s3",

6 \* "awsRegion": "us-east-1",

7 \* "eventTime": "2024-10-19T17:00:00.000Z",

8 \* "eventName": "ObjectCreated:Put",

9 \* "userIdentity": {

10 \* "principalId": "EXAMPLE"

11 \* },

12 \* "requestParameters": {

13 \* "sourceIPAddress": "127.0.0.1"

14 \* },

15 \* "responseElements": {

16 \* "x-amz-request-id": "EXAMPLE123456789",

17 \* "x-amz-id-2": "EXAMPLE123/456EXAMPLE="

18 \* },

19 \* "s3": {

20 \* "s3SchemaVersion": "1.0",

21 \* "configurationId": "testConfigRule",

22 \* "bucket": {

23 \* "name": "example-bucket",

24 \* "ownerIdentity": {

25 \* "principalId": "EXAMPLE"

26 \* },

27 \* "arn": "arn:aws:s3:::example-bucket"

28 \* },

29 \* "object": {

30 \* "key": "test-image.jpg",

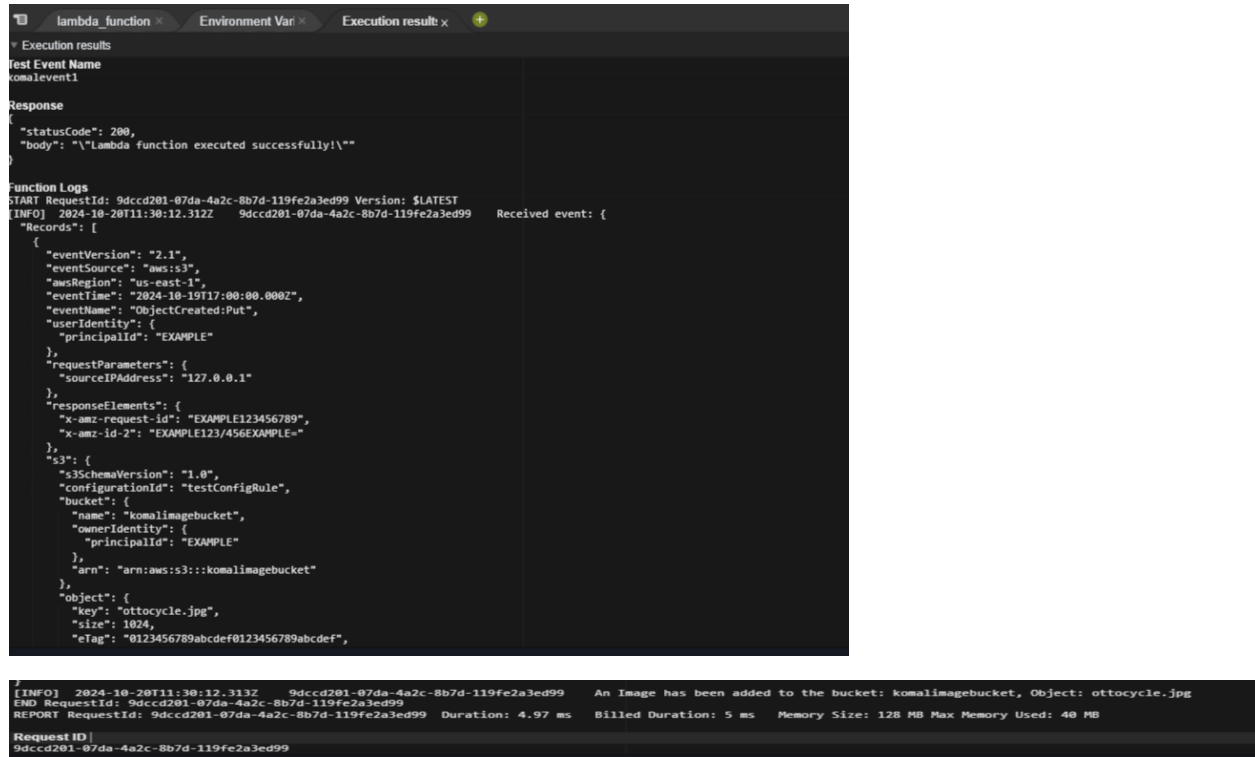
1:1 JSON Spaces: 2

Cancel Invoke Save

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THE RESULT OF EXECUTION WILL LOOK LIKE:



The screenshot displays the AWS Lambda console interface. The top navigation bar shows tabs for 'lambda\_function', 'Environment Var', and 'Execution result'. The 'Execution result' tab is active, showing the following details:

- Test Event Name:** komalevent1
- Response:**

```
{
  "statusCode": 200,
  "body": "\\Lambda function executed successfully!\\\""}
}
```
- Function Logs:**

```
START RequestId: 9dccd201-07da-4a2c-8b7d-119fe2a3ed99 Version: $LATEST
[INFO] 2024-10-20T11:30:12.312Z 9dccd201-07da-4a2c-8b7d-119fe2a3ed99 Received event: {
  "Records": [
    {
      "eventVersion": "2.1",
      "eventSource": "aws:s3",
      "awsRegion": "us-east-1",
      "eventTime": "2024-10-19T17:00:00.000Z",
      "eventName": "ObjectCreated:Put",
      "userIdentity": {
        "principalId": "EXAMPLE"
      },
      "requestParameters": {
        "sourceIPAddress": "127.0.0.1"
      },
      "responseElements": {
        "x-amz-request-id": "EXAMPLE123456789",
        "x-amz-id-2": "EXAMPLE123/456EXAMPLE="
      },
      "s3": {
        "s3SchemaVersion": "1.0",
        "configurationId": "testConfigRule",
        "bucket": {
          "name": "komalimagebucket",
          "ownerIdentity": {
            "principalId": "EXAMPLE"
          },
          "arn": "arn:aws:s3:::komalimagebucket"
        },
        "object": {
          "key": "ottocycle.jpg",
          "size": 1024,
          "etag": "0123456789abcdef0123456789abcdef",

```

Below the logs, a summary bar shows the following information:

- Request ID:** 9dccd201-07da-4a2c-8b7d-119fe2a3ed99
- Duration:** 4.97 ms
- Billed Duration:** 5 ms
- Memory Size:** 128 MB
- Max Memory Used:** 40 MB

-the output of this code is of before the image fourstroke.jpg was uploaded.

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## 2)CHECK THE CLOUDWATCH LOGS

Once the image is uploaded. The lambda function is triggered and it can be checked in the logs.

Go to cloudwatch>log group name>log stream

CloudWatch > Log groups > /aws/lambda/komal-lambdafun > 2024/10/20/[SLATEST]a1eb2c02645f446ab79825d2058cc189

**Log events** 🔄 Actions ▾ Start tailing Create metric filter

You can use the filter bar below to search for and match terms, phrases, or values in your log events. [Learn more about filter patterns](#)

Clear 1m 30m 1h 12h Custom Local timezone ▾ Display ▾

Timestamp	Message
No older events at this moment. <a href="#">Retry</a>	
2024-10-20T16:58:05.921+05:30	INIT_START Runtime Version: python:3.8.v59 Runtime Version ARN: arn:aws:lambda:us-east-1::runtime:31ddcc968862262f4d49a1d598466fad8a5c21d1a933704cf257bcefb8eb0
2024-10-20T16:58:06.097+05:30	START RequestId: 7d1bfb45-a3df-4dc2-93eb-1487c596ba33 Version: \$LATEST
2024-10-20T16:58:06.098+05:30	[INFO] 2024-10-20T11:28:06.098Z 7d1bfb45-a3df-4dc2-93eb-1487c596ba33 Received event: { "Records": [ { "eventVersion": "2.1", "eventSource": "aws:s3", "awsRegion": "us-east-1", "eventTime": "2024-10-19T17:08:00.000Z", "eventName": "ObjectCreated", "bucket": "example-bucket", "object": "test-image.jpg" }
2024-10-20T16:58:06.098+05:30	[INFO] 2024-10-20T11:28:06.098Z 7d1bfb45-a3df-4dc2-93eb-1487c596ba33 An Image has been added to the bucket: example-bucket, Object: test-image.jpg
2024-10-20T16:58:06.118+05:30	END RequestId: 7d1bfb45-a3df-4dc2-93eb-1487c596ba33
2024-10-20T16:58:06.118+05:30	REPORT RequestId: 7d1bfb45-a3df-4dc2-93eb-1487c596ba33 Duration: 2.54 ms Billed Duration: 3 ms Memory Size: 128 MB Max Memory Used: 40 MB Init Duration: 174.16 ms
2024-10-20T17:00:12.313+05:30	START RequestId: 9dccd201-07da-4a2c-8b7d-119fe2a3ed99 Version: \$LATEST
2024-10-20T17:00:12.312+05:30	[INFO] 2024-10-20T11:30:12.312Z 9dccd201-07da-4a2c-8b7d-119fe2a3ed99 Received event: { "Records": [ { "eventVersion": "2.1", "eventSource": "aws:s3", "awsRegion": "us-east-1", "eventTime": "2024-10-19T17:08:00.000Z", "eventName": "ObjectCreated", "bucket": "komalimagebucket", "object": "ottocycle.jpg" }
2024-10-20T17:00:12.313+05:30	[INFO] 2024-10-20T11:30:12.313Z 9dccd201-07da-4a2c-8b7d-119fe2a3ed99 An Image has been added to the bucket: komalimagebucket, Object: ottocycle.jpg
2024-10-20T17:00:12.313Z	[INFO] 2024-10-20T11:30:12.313Z 9dccd201-07da-4a2c-8b7d-119fe2a3ed99 An Image has been added to the bucket: komalimagebucket, Object: ottocycle.jpg
2024-10-20T17:00:12.317+05:30	END RequestId: 9dccd201-07da-4a2c-8b7d-119fe2a3ed99
2024-10-20T17:00:12.317+05:30	REPORT RequestId: 9dccd201-07da-4a2c-8b7d-119fe2a3ed99 Duration: 4.97 ms Billed Duration: 5 ms Memory Size: 128 MB Max Memory Used: 40 MB
No newer events at this moment. <a href="#">Auto retry paused</a> . <a href="#">Resume</a>	

2024-10-20T17:00:12.313+05:30

[INFO] 2024-10-20T11:30:12.313Z 9dccd201-07da-4a2c-8b7d-119fe2a3ed99 An Image has been added to the bucket: komalimagebucket, Object: ottocycle.jpg

[INFO] 2024-10-20T11:30:12.313Z 9dccd201-07da-4a2c-8b7d-119fe2a3ed99 An Image has been added to the bucket: komalimagebucket, Object: ottocycle.jpg

AFTER UPLOADING ONE MORE IMAGE:

2024-10-20T16:07:11.478+05:30

[INFO] 2024-10-20T10:37:11.478Z e1324b12-b1ee-437a-bf9b-3cf4a16e471d An Image has been added to the bucket: komalimagebucket, Object: fourstroke.jpg

[INFO] 2024-10-20T10:37:11.478Z e1324b12-b1ee-437a-bf9b-3cf4a16e471d An Image has been added to the bucket: komalimagebucket, Object: fourstroke.jpg

### 3)FOR MONITORING THE LAMBDA FUNCTION BY USING NAGIOS ON EC2:

**PREREQUISITES:** INSTALL AND CONFIGURE NAGIOS ON YOUR EC2 INSTANCE.

1)GO TO THE LIBEXEC DIRECTORY `cd /usr/local/nagios/libexec`

```
[ec2-user@ip-172-31-43-5 ~]$ cd /usr/local/nagios/libexec  
[ec2-user@ip-172-31-43-5 libexec]$ sudo chmod +x check_lambda.sh
```

2) RUN THE COMMAND `sudo nano check_lambda.sh`

3) WRITE THE BELOW CODE IN THE SCRIPT

```
#!/bin/bash
```

```
# AWS Lambda function name
```

```
LAMBDA_FUNCTION_NAME="komal-lambdafun"
```

```
# S3 bucket name (replace this with your actual bucket name)
```

```
S3_BUCKET_NAME="your-s3-bucket-name"
```

```
# Log group for the Lambda function (CloudWatch logs)
```

```
LOG_GROUP_NAME="/aws/lambda/$LAMBDA_FUNCTION_NAME"
```

```
# Get the current time to filter logs from this point onward
```

```
CURRENT_TIME=$(date -u +"%Y-%m-%dT%H:%M:%S.000Z")
```

```
# Monitor Lambda for S3 trigger (image upload)
```

```
echo "Monitoring Lambda function '$LAMBDA_FUNCTION_NAME' for image uploads to S3 bucket  
'$S3_BUCKET_NAME'."
```

```
# Monitor S3 bucket for any new object (image upload)
```

```
echo "Checking if there is a new image uploaded to the S3 bucket..."
```



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```
LATEST_OBJECT=$(aws s3api list-objects --bucket $S3_BUCKET_NAME --query 'Contents[?contains(Key,`.jpg`)|contains(Key,`.png`)] | sort_by(@, &LastModified)[-1].Key' --output text)
```

```
if [ "$LATEST_OBJECT" == "None" ]; then
```

```
    echo "No image found in the bucket '$S3_BUCKET_NAME'."
```

```
    exit 1
```

```
else
```

```
    echo "Latest image uploaded: $LATEST_OBJECT"
```

```
fi
```

```
# Check the Lambda function's logs for recent activity (triggered by the S3 event)
```

```
echo "Checking Lambda function logs for the latest execution..."
```

```
# Fetch log streams (sorted by latest event time)
```

```
LATEST_LOG_STREAM=$(aws logs describe-log-streams --log-group-name $LOG_GROUP_NAME --order-by LastEventTime --descending --limit 1 --query 'logStreams[0].logStreamName' --output text)
```

```
if [ "$LATEST_LOG_STREAM" == "None" ]; then
```

```
    echo "No logs found for Lambda function '$LAMBDA_FUNCTION_NAME'."
```

```
    exit 2
```

```
else
```

```
    echo "Fetching logs from stream: $LATEST_LOG_STREAM"
```

```
fi
```

```
# Get logs for the latest Lambda execution
```

```
LOG_EVENTS=$(aws logs get-log-events --log-group-name $LOG_GROUP_NAME --log-stream-name $LATEST_LOG_STREAM --start-time $(date --date="$CURRENT_TIME" +%s%3N))
```

```
# Check if log events were found
```

```
if [ -z "$LOG_EVENTS" ]; then
```

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```
    echo "No log events found for Lambda function execution after image upload."
    exit 3
else
    echo "Log events from Lambda function triggered by S3 upload:"
    echo "$LOG_EVENTS"
    exit 0
fi
```

-IT MONITORS YOUR LAMBDA FUNCTION AND THE S3 BUCKET'S LATEST CHANGES.

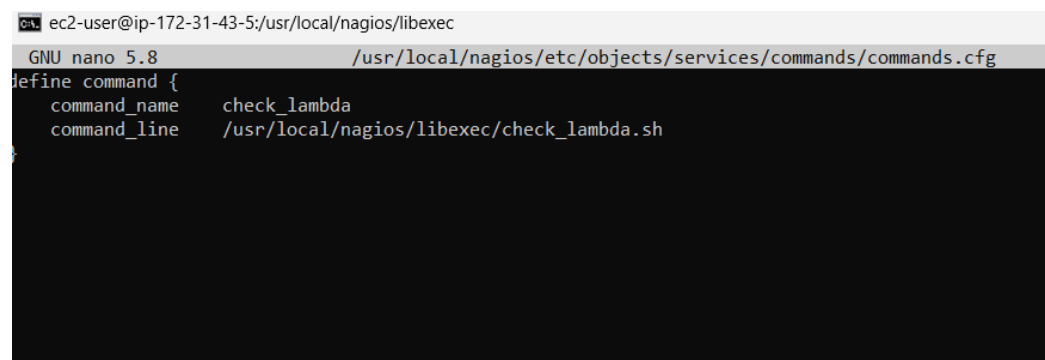
3)RUN *sudo chmod +x check\_lambda.sh*

4) RUN THE FOLLOWING COMMAND TO ACCESS THE COMMANDS SCRIPT

*sudo nano /usr/local/nagios/etc/objects/services/commands/commands.cfg*

5)WRITE THE BELOW CODE IN THE SCRIPT

```
define command {
    command_name    check_lambda
    command_line    /usr/local/nagios/libexec/check_lambda.sh
}
```



```
ec2-user@ip-172-31-43-5:/usr/local/nagios/libexec
GNU nano 5.8 /usr/local/nagios/etc/objects/services/commands/commands.cfg
define command {
  command_name    check_lambda
  command_line    /usr/local/nagios/libexec/check_lambda.sh
}
```

6)RUN THE FOLLOWING COMMAND TO ACCESS THE SERVICES SCRIPT

*sudo nano /usr/local/nagios/etc/objects/services/services.cfg*

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```
ec2-user@ip-172-31-43-5:/usr/local/nagios/libexec
GNU nano 5.8 /usr/local/nagios/etc/objects/services/services.cfg
define service {
    use                generic-service
    host_name          localhost
    service_description Check Lambda Function
    check_command       check_lambda
}
```

7)WRITE THE BELOW CODE IN THE SCRIPT

```
define service {

    use                generic-service

    host_name          localhost

    service_description Check Lambda Function

    check_command       check_lambda

}
```

8)SET THE AWS CREDENTIALS TO ACCESS AND MONITOR THE CREATED LAMBDA FUNCTION.

```
export AWS_SECRET_ACCESS_KEY="your_secret_key"

export AWS_SESSION_TOKEN="your_session_token"

export AWS_SESSION_TOKEN="your_session_token"
```

```
ec2-user@ip-172-31-43-5 libexec]$ export AWS_SECRET_ACCESS_KEY="ASIASWU6DPVCRK2RKY17"
ec2-user@ip-172-31-43-5 libexec]$ export AWS_SESSION_TOKEN="I0o3b3jp22l0x2VJEacaXVzLXd1c3QIMi11MEYCIQCd+3e0lv+R4FY8dPXGn8EJ2ybHYLYLCKegsy+368mbQ1hAJo76oF9/1307vdmLAPgjs0Da09wtDvrUjhm
2bgnvKUCCHAQAR0MTg2MDg40TE0Hj011gWl6krnu8dc2j4+R8cckgIzb4MkEu3h7CxcacQ/K4twsRkKxcB23ButmDOMKntu1oMT9oSpIenSAEGjum561bNo7jpK3cJ29h0t2aGS8DUGL066Swg+ce9EQ8P3srnbY1gnFT89yDu579BPgfip1Bu
3V91w+Y/N75f1VEbT3ylTevmQAXoX59RurODMFf1rfu1P8B3kgcAF83e3r5B11eMfnltZckPMgt0Top8Mir3QVjp12Z+AbmJES+9CTAwitbfVopQILFAw2uXqRGPNt1v4e8Rw0ZwBA2Zfn0LBunEPFr+j0g4i+EqE7YEVniW2cnpJtg1DVoCnQNJ+E
9G55692YLjlsKpH5MH0j0RmcFs649qWj+Snaa3hp88MPj00rgG0pWBNn161fZKV5IUD4/etB15dGLI9eFTTTCYcdapnC0F2Muf3VzVa1ibcd100rSbwTtbEXsXX41PBmTj2GmZ4qumj2f2fXkF9uW5XQXK2kreb00v7c6II/v85OpJQAEOLC3ald
lwQt/AeS9+2Kdr1I6LHdJv+seEqCmNHQ3DEOKDZ1YXR93mhUQy3TGDFV41HC+vccQYzafV1zpkS"TZUkK0xeF1qMw0jXAEDt1CjQqdo8X2B1hgP1awBSS1ntqA1C2LXC2F3K2TQxG2Fw29L1Fgvzq%2BTRZcglPEXz0BdwmmrGuwB8r2X2B8gMCS
ec2-user@ip-172-31-43-5 libexec]$ oeb50M7IzTZrAqZ2FE9XMcnsFvQ4d9KEZsr7Ep64GYZ1a4JU6EwpaLYQQA1Xn10utbcV0h6VZOR9knGhBxIFScLXD2K2Boxs8Nycsa17jtazNvWF75IUHmsNC8zRX10%2Bw450hk32Fkb3FaSmHz2F
ec2-user@ip-172-31-43-5 libexec]$ ^CuHl96Sg8wGlovqK0wFvY35eEXwCr14febQrCxM9Lk%2BEH554KsEIQKAK%2B2Lcmvh35rK9BVUY3V3HzrQC4%2F3ueNB0x1VPInqEkumNucT6KIDGs01rnpmba%2Bk185trFW6HF81DxfF22OW11bIk
ec2-user@ip-172-31-43-5 libexec]$ ^C2EhbTG361SHYQ5wV62F0XTg13U1phmP05N3py1mcw5ZTTUm6H6Z8R1wpjnlP%2FD0zcccdgn1e3Uav1F%2FD08tUUA4Z4ZAcSxEXKtbo91c4yV2H8FcL%2FOeD790K313zZATYMXgyjBMYf5aUfj
```

```
ec2-user@ip-172-31-43-5 libexec]$ export AWS_SECRET_ACCESS_KEY="uzjnupR3BdeJnPKtvBZxxxzc4GHicdmWJ9T+wGKL"
```

9) RESTART NAGIOS TO GET THE CHANGES UPDATED *sudo systemctl restart nagios*

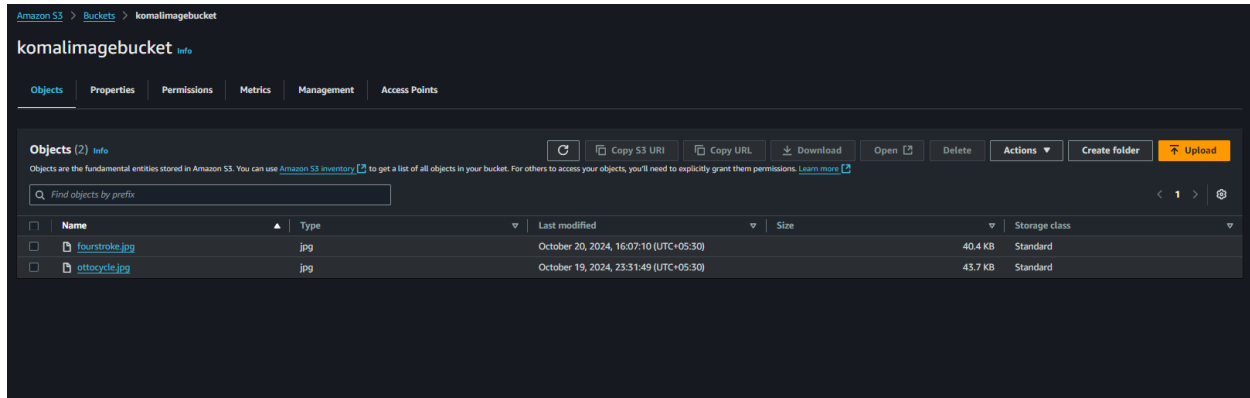
10)RUN BELOW COMMAND TO CHECK THE MONITORING OF YOUR LAMBDA FUNCTION

*./check\_lambda.sh*

```
[ec2-user@ip-172-31-43-5 libexec]$ ./check_lambda.sh
Monitoring Lambda function 'komal-lambdafun' for image uploads to S3 bucket 'komalimagebucket'.
Checking if there is a new image uploaded to the S3 bucket...
Latest image uploaded: ottocycle.jpg
Checking Lambda function logs for the latest execution...
Fetching logs from stream: 2024/10/19/[$LATEST]6fffb263855042b295ab4aabd7f7f3fb
Log events from Lambda function triggered by S3 upload:
{
    "events": [],
    "nextForwardToken": "f/38567525873567295377391290756440763726736881459105103872/s",
    "nextBackwardToken": "b/38567365242593073582827578416871117500402558849515520000/s"
}
```

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*ALSO TRY UPLOADING A NEW IMAGE IN THE S3 BUCKET TO CHECK IF THE MONITORING IS WORKING*



```
Monitoring Lambda function 'komal-lambdafun' for image uploads to S3 bucket 'komalimagebucket'.
Checking if there is a new image uploaded to the S3 bucket...
Latest image uploaded: fourstroke.jpg
Checking Lambda function logs for the latest execution...
Fetching logs from stream: 2024/10/20/[$LATEST]2385120a48774ac5aac4a8c8a8f44d49
Log events from Lambda function triggered by S3 upload:
{
  "events": [],
  "nextForwardToken": "f/38567529563337092200275542639233030527771534431094833152/s",
  "nextBackwardToken": "b/38567368944516776538911019911800350760030568842264576000/s"
}
[ec2-user@ip-172-31-43-5 libexec]$
Broadcast message from root@localhost (Sun 2024-10-20 10:37:49 UTC):

The system will power off now!

Connection to ec2-98-83-23-82.compute-1.amazonaws.com closed by remote host.
Connection to ec2-98-83-23-82.compute-1.amazonaws.com closed.
```

*-IT ALSO NOTIFIES YOU ABOUT SYSTEM BEING POWERED OFF BY THE HOST.*

11) RUN `aws lambda get-function --function-name your_function_name` TO GET THE CONFIGURATION OF THE LAMBDA FUNCTION.

## KOMAL SABALE

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```
ec2-user@ip-172-31-43-5 libexec]$ aws lambda get-function --function-name komal-lambdafun
{
  "Configuration": {
    "FunctionName": "komal-lambdafun",
    "FunctionArn": "arn:aws:lambda:us-east-1:186088914245:function:komal-lambdafun",
    "Runtime": "python3.8",
    "Role": "arn:aws:iam:186088914245:role/LabRole",
    "Handler": "lambda_function.lambda_handler",
    "CodeSize": 557,
    "Description": "",
    "Timeout": 3,
    "MemorySize": 128,
    "LastModified": "2024-10-19T17:57:43.000+0000",
    "CodeSha256": "SUR6xL7BG9bHk3Q0x3UfhBHBp1jj0Cm2cuJjsK9Wr9d=",
    "Version": "$LATEST",
    "TracingConfig": {
      "Mode": "PassThrough"
    },
    "RevisionId": "0376bc2b-e931-4909-b7cc-e09fcd5ea146",
    "State": "Active",
    "LastUpdateStatus": "Successful",
    "PackageType": "Zip",
    "Architectures": [
      "x86_64"
    ],
    "EphemeralStorage": {
      "Size": 512
    },
    "SnapStart": {
      "ApplyOn": "None",
      "OptimizationStatus": "Off"
    },
    "RuntimeVersionConfig": {
      "RuntimeVersionArn": "arn:aws:lambda:us-east-1::runtime:31ddccb9689d29d2fa6f49a11d508466fad8a5c21d1a9337d4cf257bcef8ebb0"
    },
    "LoggingConfig": {
      "LogFormat": "Text",
      "LogGroup": "/aws/lambda/komal-lambdafun"
    }
  },
  "Code": {
    "RepositoryType": "S3",
    "Location": "https://prod-04-2014-tasks.s3.us-east-1.amazonaws.com/snapshots/186088914245/komal-lambdafun-dbc2793b-3ebf-49f3-afe9-5f2cbaefcfc0?versionId=Q2b1Avh1gWg2vaw86p1Bcmwh3VoA66,t&X-Amz-Security-Token=IQoJb3JpZ2UiU2VjEAOuACVzlwVhc3QtrMSjHMEUCICPv8uNF8s2bYXCQR2BHZN8ANol.d2IRf7VER7dED3sAsuIAiEA91gyQ1NPv9TVI8Sk4AJt9s5dyHBCz2FVXtVtFXsSz3PUCqsgUICHAAgGwJhDk2HzgSPDI4Hzk
```