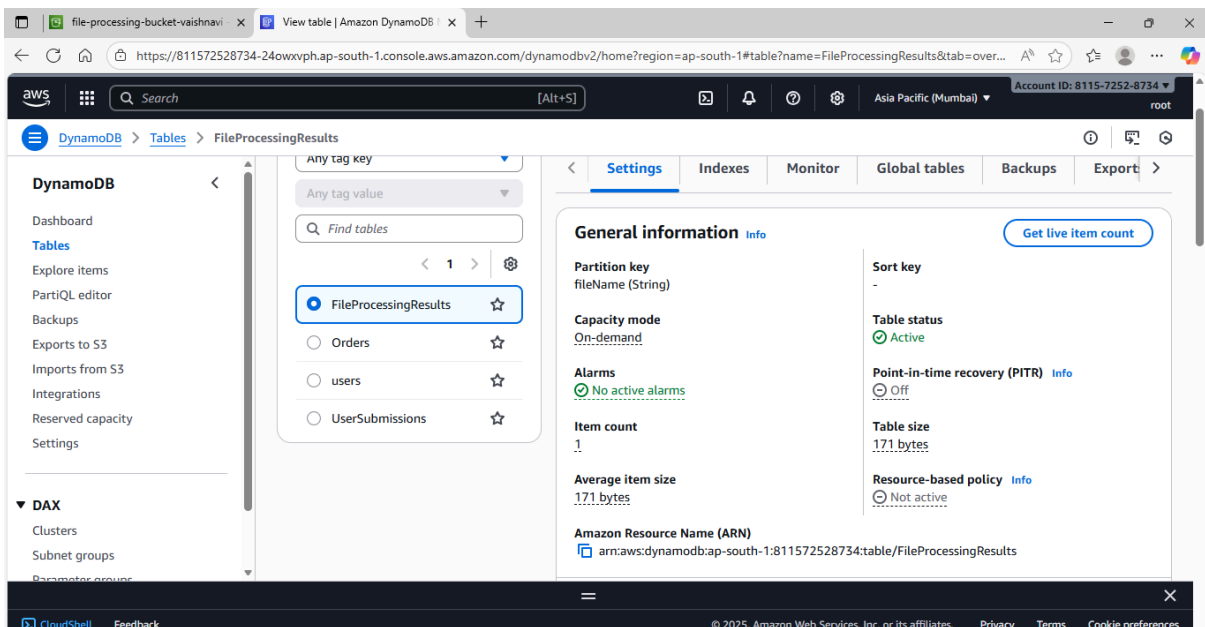
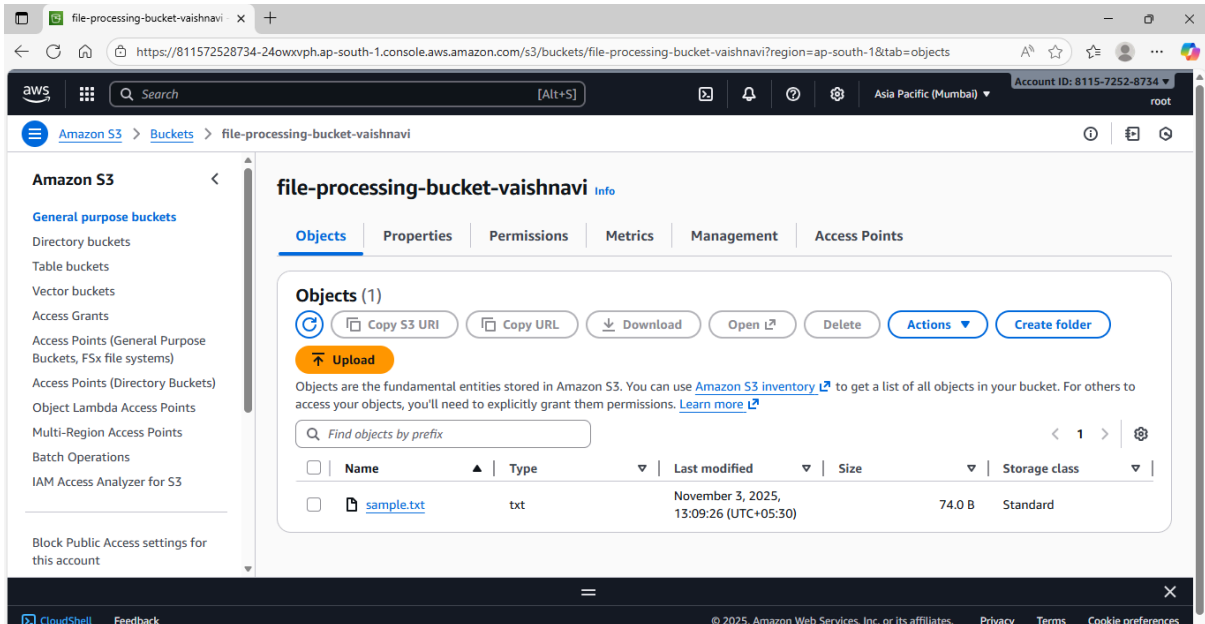


TASK - 3

Name : Ponvaishnavi MR

Location : Chennai

File processing system :



file-processing-bucket-vaishnavi x Items | Amazon DynamoDB Mana x imageProcessorFunction | Funcio x New tab x

https://811572528734-24owxvph.ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/imageProcessorFunction?tab=code

aws Search [Alt+S] Asia Pacific (Mumbai) Account ID: 8115-7252-8734 root

Lambda > Functions > imageProcessorFunction

imageProcessorFunction

Throttle Copy ARN Actions

Function overview Info

Diagram Template

imageProcessorFunction

Layers (0)

S3

+ Add trigger

+ Add destination

Description

Last modified 2 days ago

Function ARN [arn:aws:lambda:ap-south-1:811572528734:function:imageProcessorFunction](#)

Function URL [Info](#)

Code Test Monitor Configuration Aliases Versions

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file-processing-bucket-vaishnavi x Items | Amazon DynamoDB Mana x imageProcessorFunction | Funcio x New tab x

https://811572528734-24owxvph.ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/imageProcessorFunction?tab=code

aws Search [Alt+S] Asia Pacific (Mumbai) Account ID: 8115-7252-8734 root

Lambda > Functions > imageProcessorFunction

EXPLORER

IMAGEPROCESSORFUNCTION

lambda_function.py

DEPLOY

Deploy (Ctrl+Shift+U)

Test (Ctrl+Shift+I)

TEST EVENTS [NONE SELECTED]

+ Create new test event

ENVIRONMENT VARIABLES

```
1 import os
2 import json
3 import logging
4 from urllib.parse import unquote_plus
5
6 import boto3
7
8 # ---- Settings for your assignment ----
9 TARGET_BUCKET = "image-processing-demo-vaish-ap-south-1" # your bucket
10 UPLOADS_PREFIX = "uploads/"
11 THUMBS_PREFIX = "thumbnails/"
12 ALLOWED_EXTS = {".jpg", ".jpeg", ".png"}
13
14 s3 = boto3.client("s3")
15 logger = logging.getLogger()
16 logger.setLevel(logging.INFO)
17
18
19 def _is_allowed_image(key: str) -> bool:
20     key_lower = key.lower()
21     return any(key_lower.endswith(ext) for ext in ALLOWED_EXTS)
22
```

Info Tutorials

Learn how to implement common use cases in AWS Lambda.

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In this tutorial you will learn how to:

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- Invoke your function through its function URL

[Learn more](#)

[Start tutorial](#)

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file-processing-bucket-vaishnavi x Items | Amazon DynamoDB Mana x TextFileProcessor | Functions | x TextFileProcessor-role-hxrtnc8 x Roles | IAM | Global x + -

https://811572528734-24owxvph.us-east-1.console.aws.amazon.com/iam/home#/roles/details/TextFileProcessor-role-hxrtnc8

aws Search [Alt+S] Account ID: 8115-7252-8734 root

Identity and Access Management (IAM)

Search IAM

Dashboard

Access management

- User groups
- Users
- Roles**
- Policies
- Identity providers
- Account settings
- Root access management

Access reports

- Access Analyzer
- Resource analysis [New](#)
- Unused access

Summary [Edit](#)

Creation date
November 03, 2025, 12:56 (UTC+05:30)

Last activity
[3 days ago](#)

ARN
[arn:aws:iam::811572528734:role/service-role/TextFileProcessor-role-hxrtnc8](#)

Maximum session duration
1 hour

Permissions Trust relationships Tags Last Accessed Revoke sessions

Permissions policies (2) [Info](#) [Simulate](#) [Remove](#) [Add permissions](#)

You can attach up to 10 managed policies.

Search Filter by Type All types < 1 >

<input type="checkbox"/>	Policy name	Type	Attached entities
<input type="checkbox"/>	AWSLambdaBasicExecutionRole-6c10481...	Customer managed	1
<input type="checkbox"/>	LambdaS3DynamoDBAccess	Customer inline	0

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https://811572528734-24owxvph.ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/TextFileProcessor?subtab=triggers&tab=...

aws Search [Alt+S] Asia Pacific (Mumbai) Account ID: 8115-7252-8734 root

Lambda > **Functions** > TextFileProcessor

General configuration

Triggers

Permissions

Destinations

Function URL

Environment variables

Tags


VPC

RDS databases

Monitoring and operations tools

Triggers (1) [Info](#) [Fix errors](#) [Edit](#) [Delete](#) [Add trigger](#)

Find triggers < 1 >

<input type="checkbox"/>	Trigger
<input type="checkbox"/>	 S3: file-processing-bucket-vaishnavi arn:aws:s3::file-processing-bucket-vaishnavi Details

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https://811572528734-24owxvph.ap-south-1.console.aws.amazon.com/dynamodbv2/home?region=ap-south-1#item-explorer

aws Search [Alt+S] Asia Pacific (Mumbai) Account ID: 8115-7252-8734 root

DynamoDB > Explore items >

DynamoDB

- Dashboard
- Tables
- Explore items
- PartiQL editor
- Backups
- Exports to S3
- Imports from S3
- Integrations
- Reserved capacity
- Settings

▼ DAX

- Clusters
- Subnet groups
- Parameter groups

users ☆

UserSubmissions ☆

Filters - optional

Run Reset

Completed · Items returned: 1 · Items scanned: 1 · Efficiency: 100% · RCUs consumed: 2

Table: FileProcessingResults - Items returned (1)

Actions Create item

Scan started on November 06, 2025, 14:25:49

< 1 > ⚙

<input type="checkbox"/>	fileName (String)	charCount	lineCount	preview	proc
<input type="checkbox"/>	sample.txt	68	3	Sample tex...	2025

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file-processing-bucket-vaishnavi x Edit item | Amazon DynamoDB... x TextFileProcessor | Functions | x CloudWatch | ap-south-1 x Roles | IAM | Global x +

https://811572528734-24owxvph.ap-south-1.console.aws.amazon.com/cloudwatch/home?region=ap-south-1#logsV2:log-groups/log-group/\$252Faws\$252Fia...

aws Search [Alt+S] Asia Pacific (Mumbai) Account ID: 8115-7252-8734 root

CloudWatch > Log groups > /aws/lambda/TextFileProcessor > 2025/11/03/[\$LATEST]5ea32a80028a461eae825d3605cdea7e

CloudWatch

Favorites and recents

Dashboards

- ▶ AI Operations New
- ▶ Alarms 0 0 0 0
- ▼ Logs
 - Log groups
 - Log Anomalies
 - Live Tail
 - Logs Insights
 - Contributor Insights
- ▶ Metrics New
- ▶ Application Signals New

Log events

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](#)

Filter events - press enter to search

Display

1m 1h UTC timezone

Timestamp	Message
	No older events at this moment. Retry
2025-11-03T07:39:27.123Z	INIT_START Runtime Version: java:17.v57 Runtime Version ARN: arn:aws:lambda:ap-south-1::runtime:910be2af...
2025-11-03T07:39:28.902Z	START RequestId: 55837b57-9d39-4f4f-93c1-47d0f7306601 Version: \$LATEST
2025-11-03T07:39:29.167Z	Triggered by S3 object: s3://file-processing-bucket-vaishnavi/sample.txt
2025-11-03T07:39:32.307Z	Saved result to DynamoDB table: FileProcessingResults
2025-11-03T07:39:32.325Z	END RequestId: 55837b57-9d39-4f4f-93c1-47d0f7306601
2025-11-03T07:39:32.325Z	REPORT RequestId: 55837b57-9d39-4f4f-93c1-47d0f7306601 Duration: 3422.16 ms Billed Duration: 5198 ms Mem...
	No newer events at this moment. Auto retry paused . Resume

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