

Additional Material

S3 buckets:

> Buckets

▶ Account snapshot - updated every 24 hours

All AWS Regions

View Storage Lens dashboard

Storage lens provides visibility into storage usage and activity trends. Metrics don't include directory buckets. [Learn more](#)

General purpose buckets

Directory buckets

General purpose buckets (3)

Info

All AWS Regions

🔄

Copy ARN

Empty

Delete

Create bucket

Buckets are containers for data stored in S3.

Find buckets by name

< 1 >

⚙️

Name	AWS Region	IAM Access Analyzer	Creation date
techtest-ingest-bucket	US East (N. Virginia) us-east-1	View analyzer for us-east-1	June 25, 2025, 18:20:16 (UTC+01:00)
techtest-raw-data-bucket	US East (N. Virginia) us-east-1	View analyzer for us-east-1	June 25, 2025, 18:20:16 (UTC+01:00)
techtest-refined-data-bucket	US East (N. Virginia) us-east-1	View analyzer for us-east-1	June 25, 2025, 18:20:16 (UTC+01:00)

Refined Bucket with outputs cleaned and rejected:

[t-refined-data-bucket](#) > [refined/](#) > [date=2025-06-25/](#) > hour=17/

hour=17/

Copy S3 URI

Objects

Properties

Objects (2)

🔄

Copy S3 URI

Copy URL

Download

Open

Delete

Actions

Create folder

Upload

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](#)

Find objects by prefix

< 1 >

⚙️

Name	Type	Last modified	Size	Storage class
rejected/	Folder	-	-	-
users_cleaned.csv	csv	June 25, 2025, 18:21:06 (UTC+01:00)	176.0 B	Standard

Cloudwatch logs:

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

Clear

1m

30m

1h

12h

Custom

UTC timezone

Display

▶ Timestamp

Message

No older events at this moment. [Retry](#)

▶ 2025-06-25T17:21:04.181Z

INIT_START Runtime Version: python:3.12.v70 Runtime Version ARN: arn:aws:lambda:us-east-1::runtime:b5ce413242a9b8ef00a46980d4de4b943c0679481f66d34d1ald06ad4e16fe8

▶ 2025-06-25T17:21:04.530Z

[INFO] 2025-06-25T17:21:04.530Z Found credentials in environment variables.

▶ 2025-06-25T17:21:04.719Z

START RequestId: c92c91e9-4090-491e-bd2b-a7707cc44cbc Version: \$LATEST

▶ 2025-06-25T17:21:04.720Z

[INFO] 2025-06-25T17:21:04.720Z c92c91e9-4090-491e-bd2b-a7707cc44cbc Triggered by file: users.csv in bucket: techtest-ingest-bucket

▶ 2025-06-25T17:21:05.023Z

[INFO] 2025-06-25T17:21:05.023Z c92c91e9-4090-491e-bd2b-a7707cc44cbc Copied to raw bucket: techtest-raw-data-bucket/users.csv

▶ 2025-06-25T17:21:05.526Z

[INFO] 2025-06-25T17:21:05.526Z c92c91e9-4090-491e-bd2b-a7707cc44cbc Cleaned file saved to: refined/date=2025-06-25/hour=17/users_cleaned.csv

▶ 2025-06-25T17:21:05.579Z

[INFO] 2025-06-25T17:21:05.579Z c92c91e9-4090-491e-bd2b-a7707cc44cbc Rejected file saved to: refined/date=2025-06-25/hour=17/rejected/users_rejected.csv

▶ 2025-06-25T17:21:05.585Z

END RequestId: c92c91e9-4090-491e-bd2b-a7707cc44cbc

▶ 2025-06-25T17:21:05.585Z

REPORT RequestId: c92c91e9-4090-491e-bd2b-a7707cc44cbc Duration: 864.77 ms Billed Duration: 865 ms Memory Size: 128 MB Max Memory Used: 90 MB Init Duration: 535.33 ms

Lambda role:

techtest_lambda_exec_role

Info

Delete

Summary

Edit

Creation date

June 25, 2025, 17:24 (UTC+01:00)

Last activity

-

ARN

arn:aws:iam::975707452270:role/techtest_lambda_exec_role

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.

Filter by Type

All types

Search

Policy name

Type

Attached entities

<input type="checkbox"/>	AWSLambdaBasicExecutionRole	AWS managed	1
<input type="checkbox"/>	techtest_lambda_s3_limited	Customer managed	1

Terraform User:

terraform-user

Info

Delete

Summary

ARN

arn:aws:iam::975707452270:user/terraform-user

Console access

Disabled

Access key 1

AKIA6GLFSGNKEAC2RZ7O - Active

Used today. Created yesterday.

Access key 2

Create access key

Created

June 24, 2025, 15:45 (UTC+01:00)

Last console sign-in

-

Permissions

Groups

Tags (1)

Security credentials

Last Accessed

Permissions policies (4)

Remove

Add permissions

Permissions are defined by policies attached to the user directly or through groups.

Filter by Type

All types

Search

Policy name

Type

Attached via

<input type="checkbox"/>	AmazonS3FullAccess	AWS managed	Directly
<input type="checkbox"/>	AWSLambda_FullAccess	AWS managed	Directly
<input type="checkbox"/>	CloudWatchLogsFullAccess	AWS managed	Directly
<input type="checkbox"/>	IAMFullAccess	AWS managed	Directly

Lambda with trigger associated:

Lambda > Functions > process_file_lambda

process_file_lambda

Throttle

Copy ARN

Actions

Function overview

Info

Export to Infrastructure Composer

Download

Diagram

Template

process_file_lambda

Layers

(0)

S3

+ Add destination

+ Add trigger

Description

-

Last modified

3 minutes ago

Function ARN

arn:aws:lambda:us-east-1:975707452270:function:process_file_lambda

Function URL

Info

Code

Test

Monitor

Configuration

Aliases

Versions

General configuration

Triggers

Permissions

Destinations

Function URL

Environment variables

Triggers (1)

Info

Fix errors

Edit

Delete

Add trigger

Find triggers

Trigger

S3: techtest-ingest-bucket

arn:aws:s3::techtest-ingest-bucket

Details

Github Actions Failure:

← Lambda CI

✖ Update process_file.py #2

Summary

Jobs

✖ lint-python

Run details

Usage

Workflow file

Annotations
1 error

lint-python
failed now in 5s

Set up job

Checkout code

Set up Python

Install flake8

✖ Lint Lambda function

```
1 • Run flake8 lambda/process_file.py --max-line-length=88
11 lambda/process_file.py:19:1: E265 block comment should start with '#'
12 lambda/process_file.py:19:89: E501 line too long (104 > 88 characters)
13 lambda/process_file.py:21:1: E302 expected 2 blank lines, found 1
14 Error: Process completed with exit code 1.
```

Post Set up Python

Post Checkout code

Complete job

Github Actions Success

← Lambda CI

✔ test git action #3

Summary

Jobs

✔ lint-python

Run details

Usage

Workflow file

lint-python
succeeded now in 6s

Set up job

Checkout code

Set up Python

Install flake8

Lint Lambda function

Post Set up Python

Post Checkout code

Complete job