

Lambda > Functions > spotify\_api\_data\_extract

## spotify\_api\_data\_extract

Throttle

Copy ARN

Actions

✓ The trigger every\_1\_min was successfully added to function spotify\_api\_data\_extract. The function is now receiving events from the trigger.

### Function overview Info

spotify\_api\_data\_extra  
ct

Layers (1)

EventBridge (CloudWatch Events)

+ Add trigger

+ Add destination

#### Description

-

#### Last modified

49 minutes ago

#### Function ARN

arn:aws:lambda:us-east-1:585261150329:function:spotify\_api\_data\_extract

#### Function URL Info

-

Code

Test

Monitor

Configuration

Aliases

Versions

General configuration

Triggers (1) Info



Fix errors

Edit

Delete

Add trigger

yash-spotif xspotify\_apixspotify\_tran xspotify\_apixspotify\_apixLayers - Lar xCourse Not xDiscord xpython-for-x yash\_spotif x

us-east-1.console.aws.amazon.com/lambda/home?region=us-east-1#/functions/spotify\_transformation\_load\_function?tab=configure

awsServicesSearch[Option+S]

⌵⌵⌵⌵⌵N. VirginiaYash

⌵

spotify\_transformation\_load\_function

ThrottleCopy ARNActions

✔ The trigger yash-spotify-etl-project was successfully added to function spotify\_transformation\_load\_function. The function is now receiving events from the trigger.

▼ Function overviewInfo

spotify\_transformation\_load\_function

Layers(1)

S3

+ Add trigger

+ Add destination

Description-

Last modified17 minutes ago

Function ARNarn:aws:lambda:us-east-1:585261150329:function:spotify\_transformation\_load\_function

Function URLInfo-

CodeTestMonitorConfigurationAliasesVersions

General configurationTriggers

Execution role

↻EditView role document

CloudShellFeedbackLanguage

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Pinned (0)

No pinned objects

Q All Objects

...

YASH\_DW1

INFORMATION\_SCHEMA

INSTACART\_PROJECT

IPHONE\_DATA\_ANALYSIS

PIPES

Pipes

SONGS\_PIPE

PUBLIC

SPOTIFY\_ETL\_PROJECT

Tables

ALBUM

ARTIST

SONGS

Stages

CSV\_FOLDER

CSV\_FOLDER\_ALBUM

CSV\_FOLDER\_ARTIST

File Formats

YASH\_DW1.SPOTIFY\_ETL\_PROJECT Settings Latest Version

```
60 FILE_FORMAT = (FORMAT_NAME = 'csv_fileformat');
61
62 COPY INTO ALBUM (album_id,name,release_date,total_tracks,url)
63 FROM '@csv_folder_album/album_transformed_2023-09-17 20:25:57.155637.csv'
64 FILE_FORMAT = (FORMAT_NAME = 'csv_fileformat');
65
66
67 SELECT * FROM ARTIST;
68 SELECT * FROM ALBUM;
69
70
71 CREATE OR REPLACE SCHEMA pipes;
72
73 CREATE OR REPLACE PIPE PIPES.songs_pipe
74     AUTO_INGEST = TRUE
75     AS
76     COPY INTO SONGS (song_id,song_name,duration_ms,url,popularity,song_added,album_id,artist_id)
77     FROM @csv_folder
78     FILE_FORMAT = (FORMAT_NAME = 'csv_fileformat');
79
80
81 SELECT * FROM SPOTIFY_ETL_PROJECT.SONGS;
82 --drop pipe PIPES.songs_pipe
```

Results Chart

	SONG_ID	SONG_NAME	DURATION
1	2IGMVunIBsBLtEQyo1Mu7	Paint The Town Red	231
2	7x9aauaA9cu6tyfpHnqDLo	Seven (feat. Latto) (Explicit Ver.)	184
3	1kuGVB7EU95pJObxwvfwKS	vampire	219
...	...	...	...

Query Details

...

Query duration39ms

Rows50

Query ID01af1800-3200-e042-0...



[Amazon S3](#) > [Buckets](#) > yash-spotify-etl-project

# yash-spotify-etl-project [Info](#)

[Objects](#) | [Properties](#) | [Permissions](#) | [Metrics](#) | [Management](#) | [Access Points](#)

## Objects (2)

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"/>	raw_data/	Folder	-	-	-
<input type="checkbox"/>	transformed_data/	Folder	-	-	-

≡

[Amazon S3](#) > [Buckets](#) > [yash-spotify-etl-project](#) > raw\_data/

raw\_data/

Copy S3 URI

Objects

Properties

Objects (2)

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](#)

↻

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Find objects by prefix

< 1 > ⚙

<input type="checkbox"/>	Name ▲	Type ▼	Last modified ▼	Size ▼	Storage class ▼
<input type="checkbox"/>	processed/	Folder	-	-	-
<input type="checkbox"/>	to_processed/	Folder	-	-	-

## Code source Info

Upload from

File Edit Find View Go Tools Window

Test

Deploy

Changes not deployed

Go to Anything (% P)

lambda\_function x

Execution results x

Environment Vari x

Environment

- spotify\_api\_data\_ex
- lambda\_function.py

```
1 import json
2 import os
3 import spotipy
4 from spotipy.oauth2 import SpotifyClientCredentials
5 import boto3 # In order to store the data on my s3 bucket,
6 from datetime import datetime
7
8 def lambda_handler(event, context):
9
10     cilent_id = os.environ.get('client_id')
11     client_secret = os.environ.get('client_secret')
12
13     client_credentials_manager = SpotifyClientCredentials(client_id=cilent_id, client_secret=client_secret)
14     sp = spotipy.Spotify(client_credentials_manager = client_credentials_manager)
15     playlists = sp.user_playlists('spotify')
16
17     playlist_link = "https://open.spotify.com/playlist/37i9dQZEVXBNG2KDcFcK0F?si=1333723a6eff4b7f"
18     playlist_URI = playlist_link.split("/")[-1].split("?")[0]
19
20     spotify_data = sp.playlist_tracks(playlist_URI)
21
22     cilent = boto3.client('s3')
23
24     filename = "spotify_raw_" + str(datetime.now()) + ".json"
25
26     cilent.put_object(
27         Bucket="yash-spotify-etl-project",
28         Key="raw_data/to_processed/" + filename,
29         Body=json.dumps(spotify_data)
30     )
```

18:62 Python Spaces: 4

## Code properties Info



AWS Lambda

Dashboard

Applications

Functions

Additional resources

Code signing configurations

Layers

Replicas

Related AWS resources

Step Functions state machines

Lambda > Functions

Functions (2/2)

Last fetched 1 second ago

Actions

Create function

Filter by tags and attributes or search by keyword

< 1 >

<input checked="" type="checkbox"/>	Function name	Description	Package type	Runtime	Last modified
<input checked="" type="checkbox"/>	<a href="#">spotify_transformation_load_function</a>	-	Zip	Python 3.8	yesterday
<input checked="" type="checkbox"/>	<a href="#">spotify_api_data_extract</a>	-	Zip	Python 3.8	3 days ago