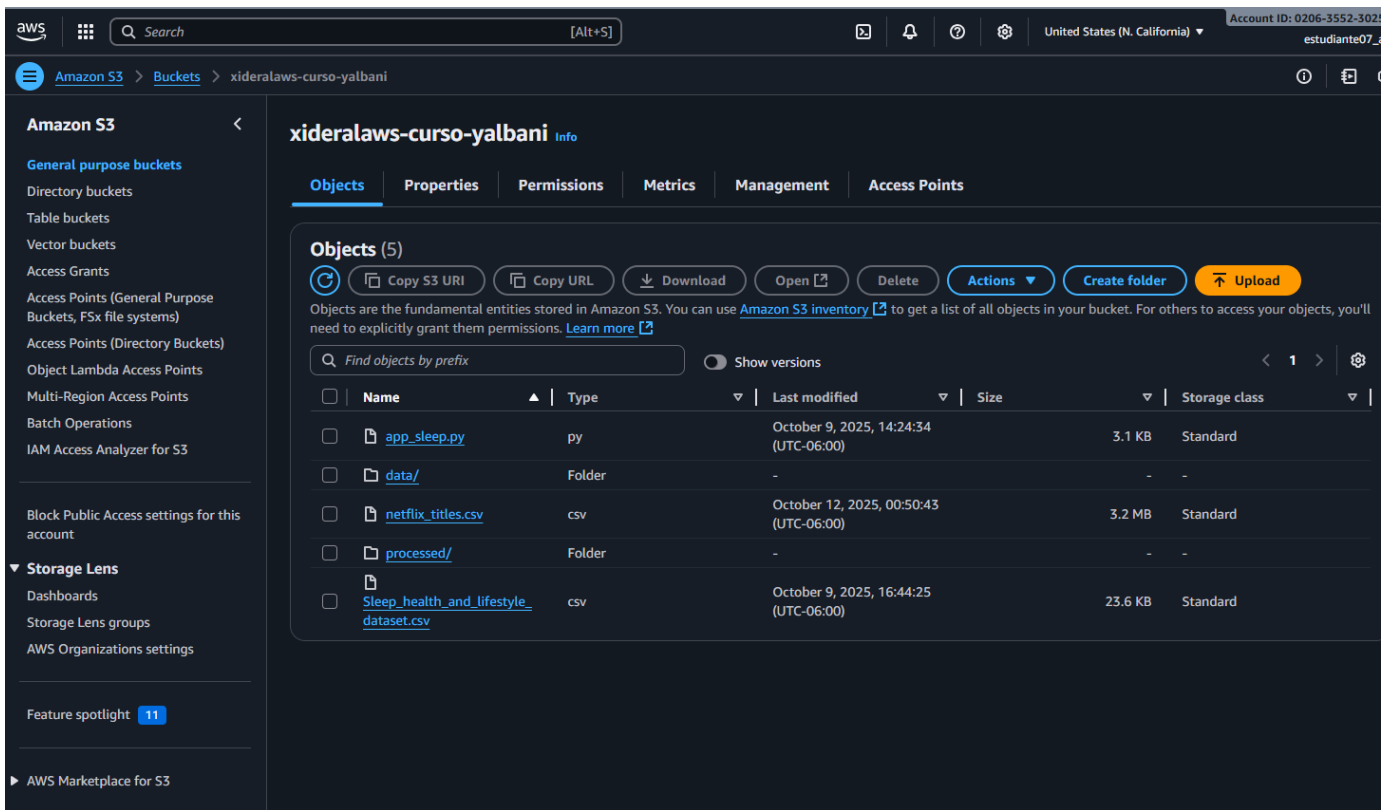
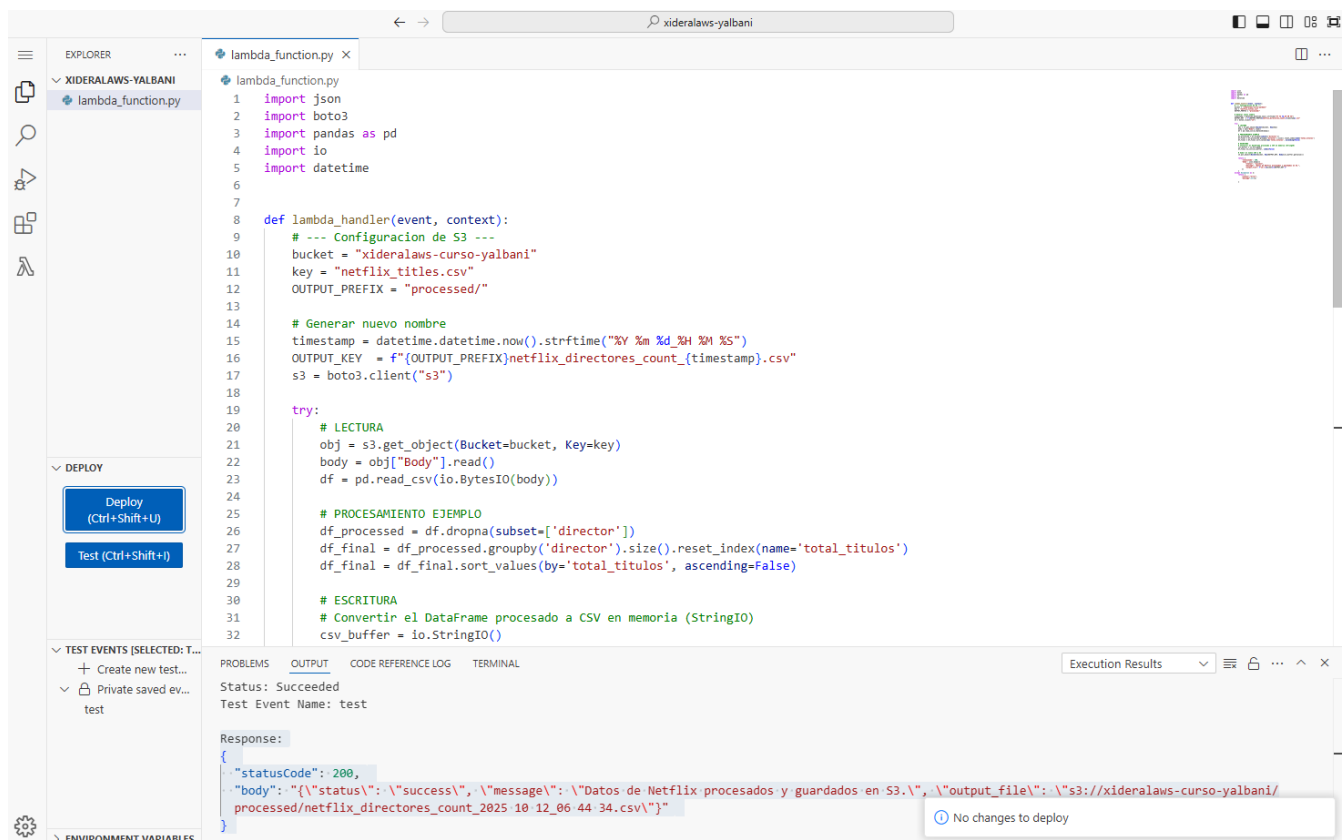


LAMBDA A STRAMLIT

- Contenido S3



- Funcion LAMBDA. Guarda procesamiento en carpeta processed



- Con el csv guardado, se activa el streamlit

```
jupyter app_lambda.py Last Checkpoint: 6 minutes ago
File Edit View Settings Help

1 import pandas as pd
2 import streamlit as st
3 import boto3
4 import io
5 import requests
6 import json
7 import plotly.express as px
8
9 # --- Carga de Datos Procesados desde S3 ---
10 @st.cache_data
11 def cargar_datos_procesados():
12     s3 = boto3.client("s3")
13     bucket = "xideralaws-curso-yalbani"
14     OUTPUT_PREFIX = "processed/"
15
16     try:
17         # Listar todos Los archivos en La carpeta procesada
18         response = s3.list_objects_v2(Bucket=bucket, Prefix=OUTPUT_PREFIX)
19
20         if "Contents" not in response:
21             st.warning("Lambda no ha ejecutado el procesamiento. No se encontraron archivos procesados.")
22             return pd.DataFrame()
23
24         # Encontrar el archivo mas reciente (timestamp mas alto)
25         all_files = response["Contents"]
26         # Filtrar solo archivos CSV si fuera necesario, y ordenar por la ultima modificacion
27         all_files = sorted(all_files, key=lambda x: x['LastModified'], reverse=True)
28
29         # El archivo mas reciente es el primero
30         latest_key = all_files[0]['Key']
31
32         # Leer el archivo mas reciente
33         st.info(f"Cargando el ultimo archivo procesado: {latest_key.split('/')[-1]}")
34         obj = s3.get_object(Bucket=bucket, Key=latest_key)
35         body = obj["Body"].read()
36
37         df_final = pd.read_csv(io.BytesIO(body))
38         return df_final
39
40     except Exception as e:
41         st.error(f"Error al cargar el CSV procesado desde S3: {e}")
42         return pd.DataFrame()
43
44 # --- Streamlit ---
45
```

- Aquí se guarda el csv procesado

aws

Search

[Alt+S]

United States (N. California)

Account ID: 0206-3552-3025

estudiante07_aws

Amazon S3

Buckets

xideralaws-curso-yalbani

processed/

Amazon S3

General purpose buckets

Directory buckets

Table buckets

Vector buckets

Access Grants

Access Points (General Purpose Buckets, FSx file systems)

Access Points (Directory Buckets)

Object Lambda Access Points

Multi-Region Access Points

Batch Operations

IAM Access Analyzer for S3

Block Public Access settings for this account

Storage Lens

Dashboards

Storage Lens groups

AWS Organizations settings

Feature spotlight 11

AWS Marketplace for S3

processed/

Copy S3 URI

Objects

Properties

Objects (1)

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

Show versions

< 1 >

☐

Name

Type

Last modified

Size

Storage class

☐

[netflix_directores_count_2025_10_12_06_44_34.csv](#)

csv

October 12, 2025, 00:44:39 (UTC-06:00)

85.2 KB

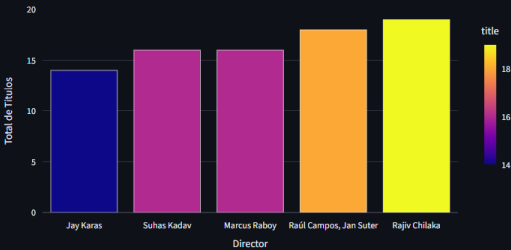
Standard

- Resultado Streamlit



Filtros

Mínimo de Títulos



Detalle de Peliculas

director		title
1	Raúl Campos, Jan Suter	18
2	Suhas Kadav	16
3	Marcus Raboy	16
4	Jay Karas	14
5	Cathy Garcia-Molina	13
6	Youssef Chahine	12
7	Martin Scorsese	12
8	Jay Chapman	12
9	Steven Spielberg	11
10	Don Michael Paul	10

- Crear un CRON que ejecute diario a las 2 am

Amazon EventBridge Scheduler | x +

https://us-west-1.console.aws.amazon.com/scheduler/home?region=us-west-1#create-schedule?scheduleName=lambda-yalbani&scheduleDescription=

Search [Alt+S]

United States (N. California) Account ID: 0206-3552-3025 estudiante07_aws

Amazon EventBridge > Schedules > Create schedule

Step 1: Specify schedule detail

Step 2: Select target

Step 3: Settings

Step 4: Review and create schedule

Specify schedule detail

Schedule name and description

Schedule name

lambda-yalbani

Use only letters, numbers, dashes, dots or underscores. Max 64 characters.

Description - optional

Enter description

Maximum of 512 characters.

Schedule group

Each schedule needs to be placed in a schedule group. By default, a schedule is placed in the 'Default' group. You can also [create your own schedule group](#). You can only add tags to a schedule group, not a schedule.

default

Schedule pattern

Occurrence Info

You can define an one-time or recurrent schedule.

☐ One-time schedule ☒ Recurring schedule

Time zone

The time zone for the schedule.

(UTC-06:00) America/Mexico_City

Schedule type

Choose the schedule type that best meets your needs.

☒ Cron-based schedule

A schedule set using a cron expression that runs at a specific time, such as 8:00 a.m. PST on the first Monday of every month.

☐ Rate-based schedule

A schedule that runs at a regular rate, such as every 10 minutes.

CloudShell Feedback

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Amazon EventBridge Scheduler | x +

https://us-west-1.console.aws.amazon.com/scheduler/home?region=us-west-1#create-schedule?scheduleName=lambda-yalbani&scheduleDescription=

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United States (N. California) Account ID: 0206-3552-3025 estudiante07_aws

Amazon EventBridge > Schedules > Create schedule

Step 1: Specify schedule detail

Step 2: Select target

Step 3 - optional: Settings

Step 4: Review and create schedule

Target detail

Target API Info

Select an API that will be invoked as a target for your schedule.

☒ Templated targets ☐ All APIs

CodeBuild StartBuild	CodePipeline StartPipelineExecution	Amazon ECS RunTask	Amazon EventBridge PutEvents
Amazon Inspector V1 StartAssessmentRun	Kinesis Data Firehose PutRecord	Kinesis Data Streams PutRecord	AWS Lambda Invoke
Amazon SNS Publish	Amazon SQS SendMessage	SageMaker StartPipelineExecution	AWS Step Functions StartExecution

Invoke

AWS Lambda

Lambda function

xideralaws-yalbani

[Create new Lambda function](#)

Configure version/alias

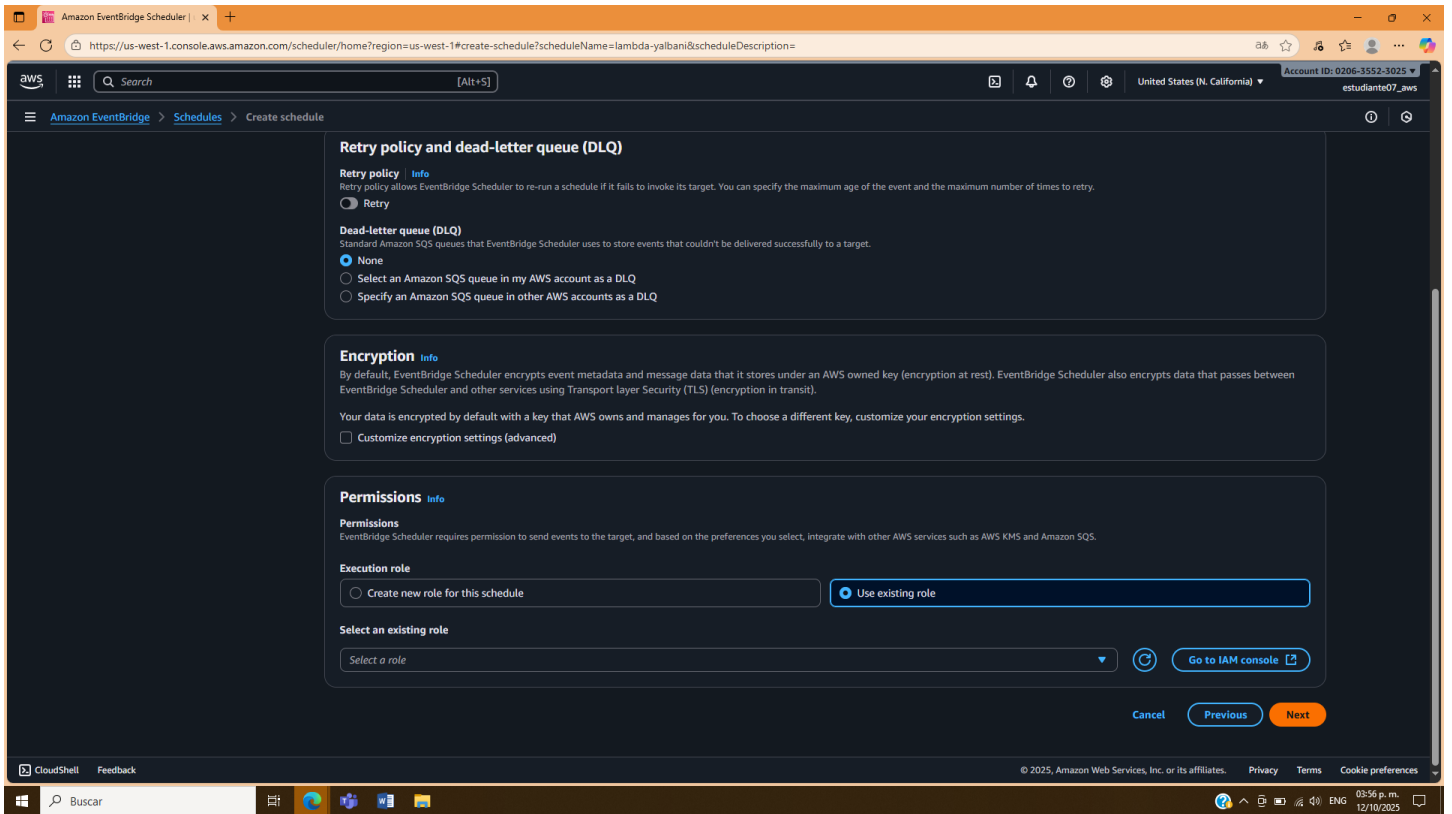
Payload

The JSON that you want to provide to your Lambda function as input. For example, { key: value }. [Learn more](#)

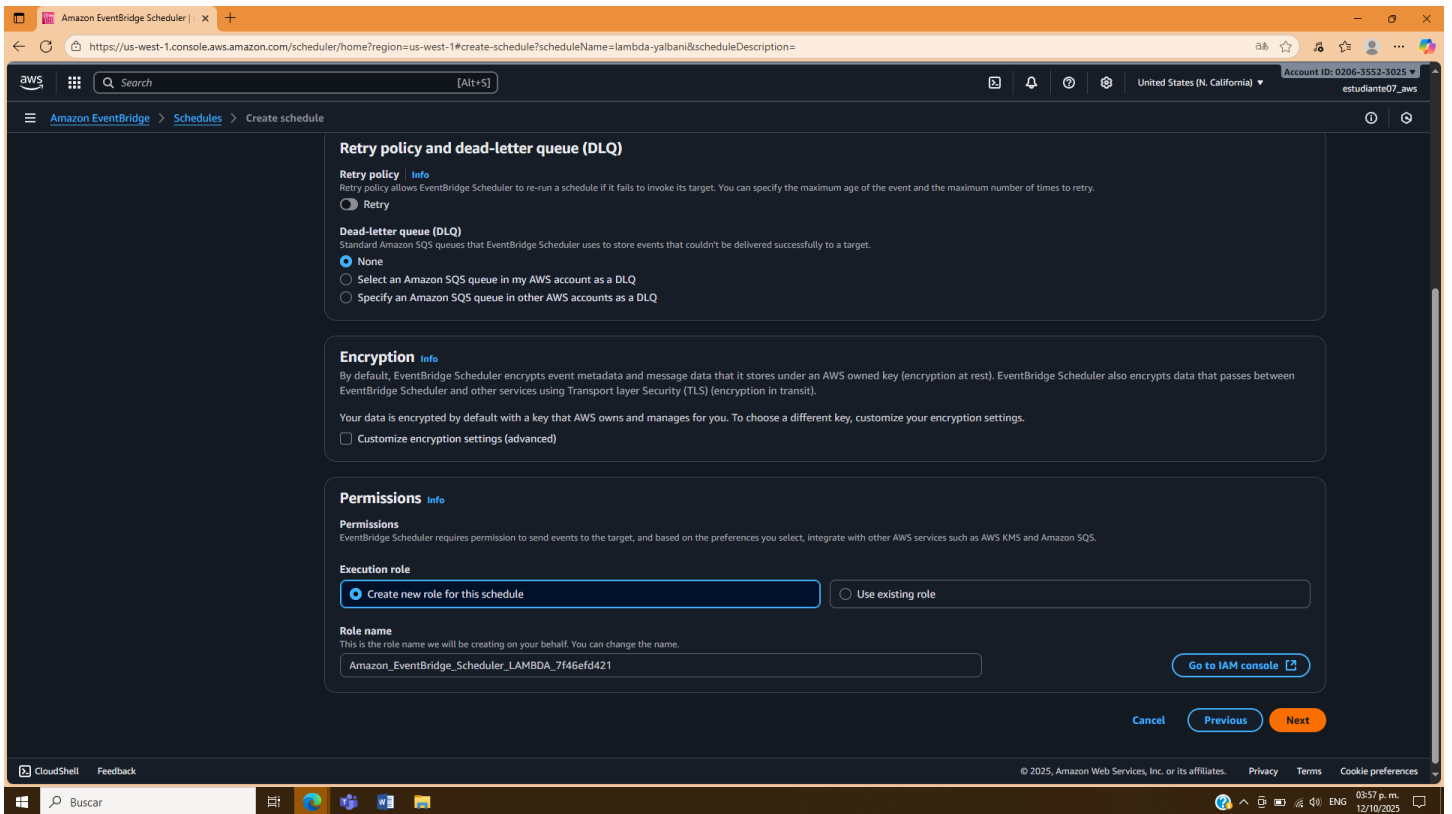
1

CloudShell Feedback

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- Nuevo rol



- No hay permisos para crear nuevas reglas

Amazon EventBridge Scheduler | x +

https://us-west-1.console.aws.amazon.com/scheduler/home?region=us-west-1#create-schedule?scheduleName=lambda-yalbani&scheduleDescription=

Search [Alt+S]

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Amazon EventBridge > Schedules > Create schedule

Access denied to iam:CreatePolicy [Diagnose with Amazon Q](#)

You don't have permission to `iam:CreatePolicy`. To request access, copy the following text and send it to your AWS administrator. [Learn more about troubleshooting access denied errors.](#)

User: arn:aws:iam::020635523025:user/estudiante07_aws
Action: iam:CreatePolicy
Context: no identity-based policy allows the action

Step 1
● Specify schedule detail
Step 2 - optional
● Select target
Step 3 - optional
● Settings
Step 4
● **Review and create schedule**

Review and create schedule [Edit](#)

Step 1: Schedule detail

Schedule detail

Schedule name lambda-yalbani	Description -	Schedule group default
Time zone (UTC-06:00) America/Mexico_City	Occurrence Recurring	Start date and time -
End date and time -	Flexible time window 15 minutes	
Cron expression <div>0 2 * * ? *</div> <div>Minutes Hours Day of month Month Day of week Year</div>		

Next 10 trigger dates
Date and time are displayed in the selected time zone for which this schedule is set in UTC format, e.g., "Wed, Nov 9, 2022 09:00 (UTC - 08:00)"

Mon, 13 Oct 2025 02:00:00 (UTC-06:00)
Tue, 14 Oct 2025 02:00:00 (UTC-06:00)
Wed, 15 Oct 2025 02:00:00 (UTC-06:00)
Thu, 16 Oct 2025 02:00:00 (UTC-06:00)
Fri, 17 Oct 2025 02:00:00 (UTC-06:00)
Sat, 18 Oct 2025 02:00:00 (UTC-06:00)
Sun, 19 Oct 2025 02:00:00 (UTC-06:00)

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Buscar

03:59 p.m. 12/10/2025