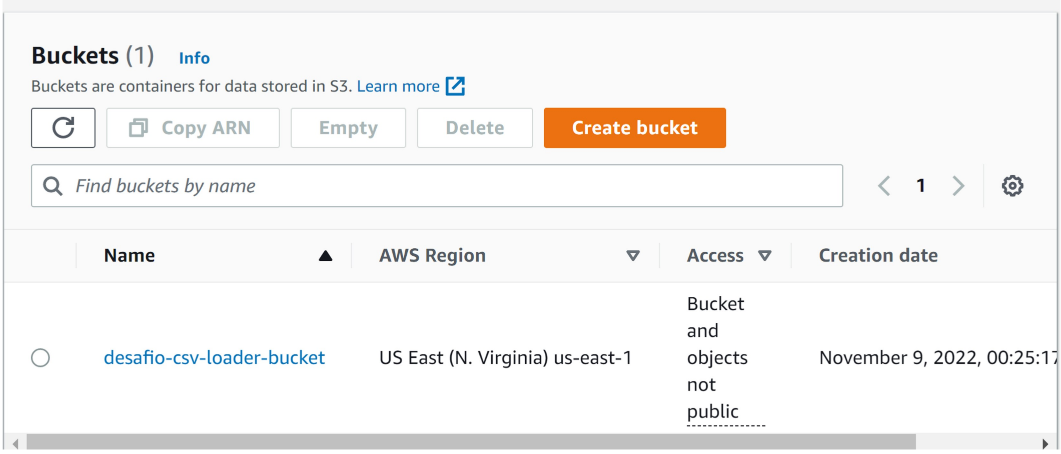
a) Desafio 3 (primera parte)S3 + Lambda

miércoles, 9 de noviembre de 2022 00:21

Creamos un bucket privado simple

BucketS3_csv:

- Name: xxxx-csv-loader-bucket
- Privado



Buckets (1)

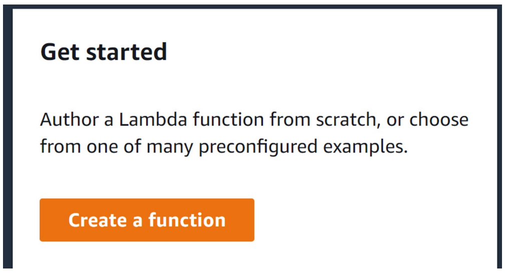
Buckets are containers for data stored in S3. Learn more

	Name	AWS Region	Access	Creation date
○	desafio-csv-loader-bucket	US East (N. Virginia) us-east-1	Bucket and objects not public	November 9, 2022, 00:25:17

Creamos una function en Lambda:

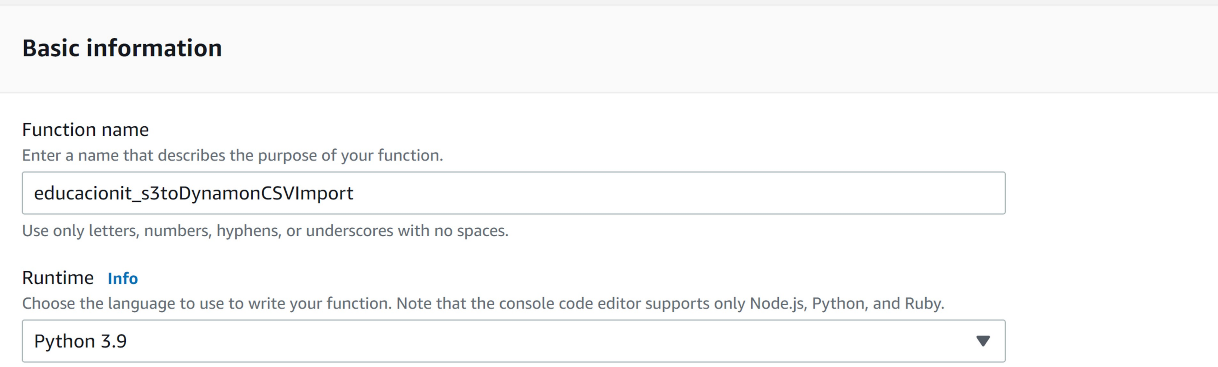
Lambda:

- Runtime: Python 3.9
- Name: **educacionit_s3toDynamonCSVImport**
- Role: LabRole
- Region: us-east-1
- Código: https://bootcamp-educacionit.s3.amazonaws.com/lambda_function.py
- **Trigger**:
  - S3
  - Bucket arn: arn:aws:s3:::xxxxx-csv-loader-bucket
  - Event type: s3:ObjectCreated:Put
  - Suffix: .csv



Get started

Author a Lambda function from scratch, or choose from one of many preconfigured examples.



Basic information

Function name

Enter a name that describes the purpose of your function.

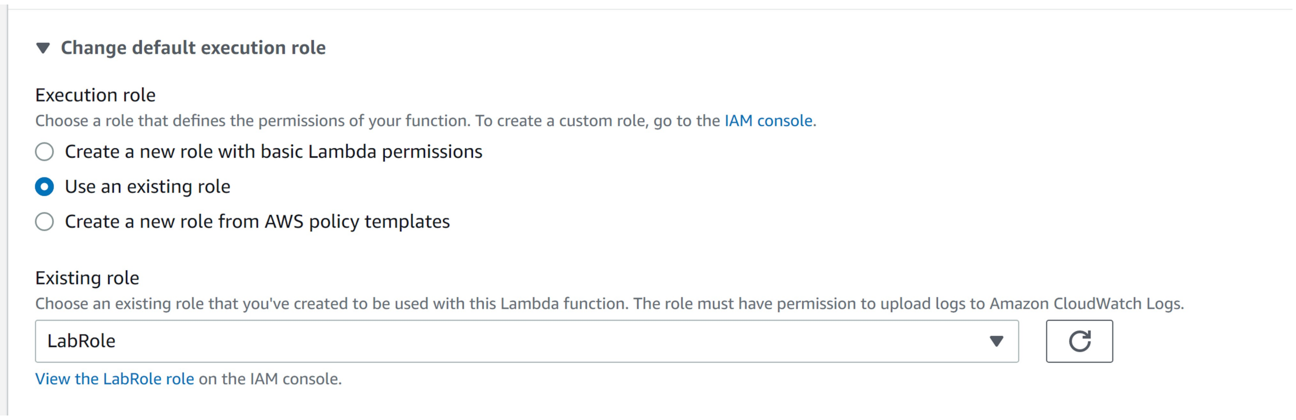
educacionit_s3toDynamonCSVImport

Use only letters, numbers, hyphens, or underscores with no spaces.

Runtime

Choose the language to use to write your function. Note that the console code editor supports only Node.js, Python, and Ruby.

Python 3.9



▼ Change default execution role

Execution role

Choose a role that defines the permissions of your function. To create a custom role, go to the IAM console.

○ Create a new role with basic Lambda permissions

● Use an existing role

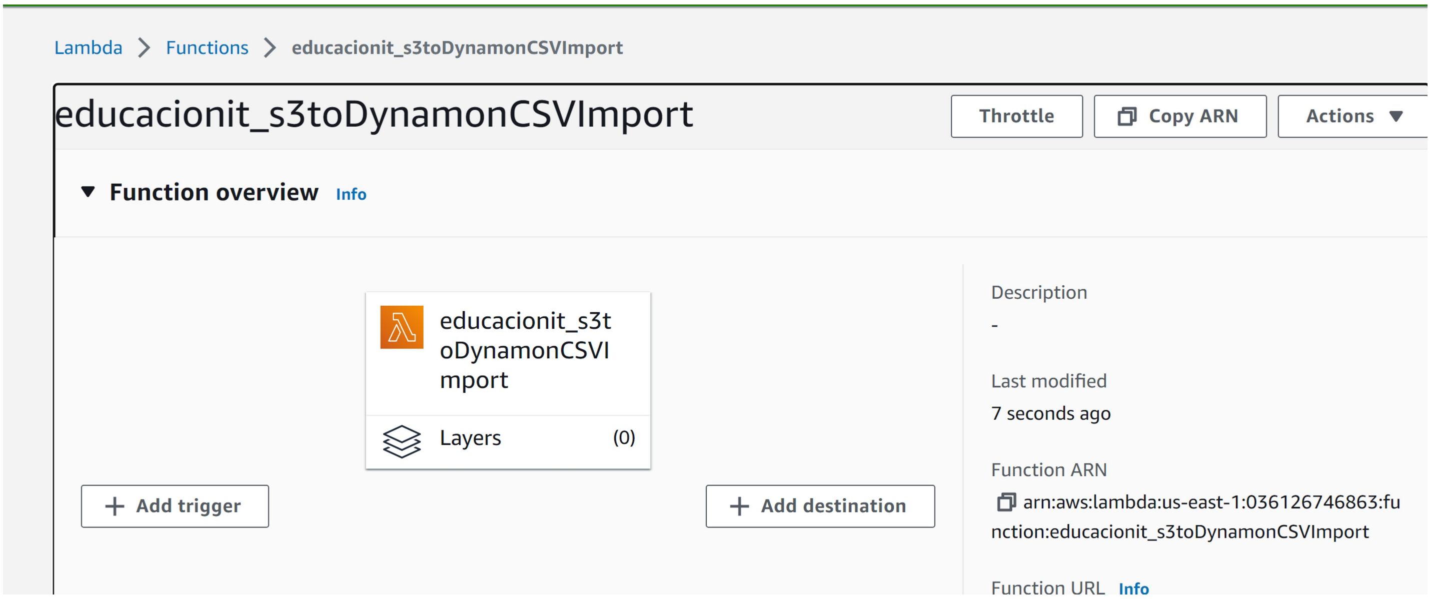
○ Create a new role from AWS policy templates

Existing role

Choose an existing role that you've created to be used with this Lambda function. The role must have permission to upload logs to Amazon CloudWatch Logs.

LabRole

View the LabRole role on the IAM console.



Lambda > Functions > educacionit_s3toDynamonCSVImport

educacionit_s3toDynamonCSVImport

▼ Function overview Info

educacionit_s3toDynamonCSVImport

Layers (0)

Description

-

Last modified

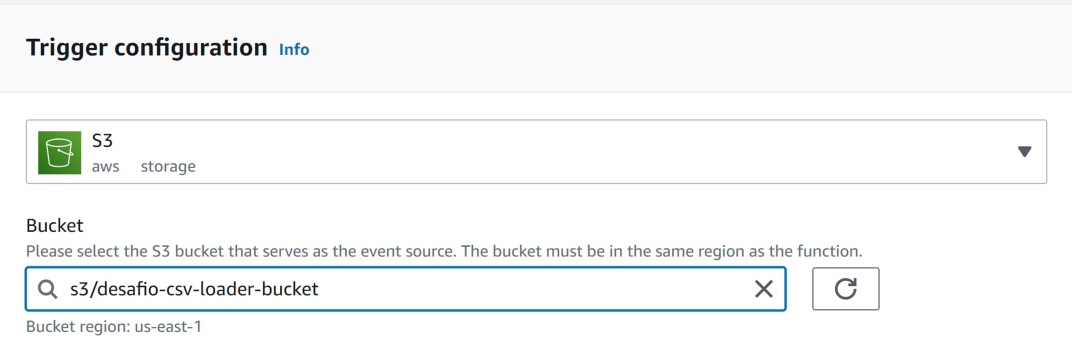
7 seconds ago

Function ARN

arn:aws:lambda:us-east-1:036126746863:function:educacionit_s3toDynamonCSVImport

Function URL Info

Sumamos un Trigger con un evento en S3 de PUT de 1 min.



Trigger configuration Info

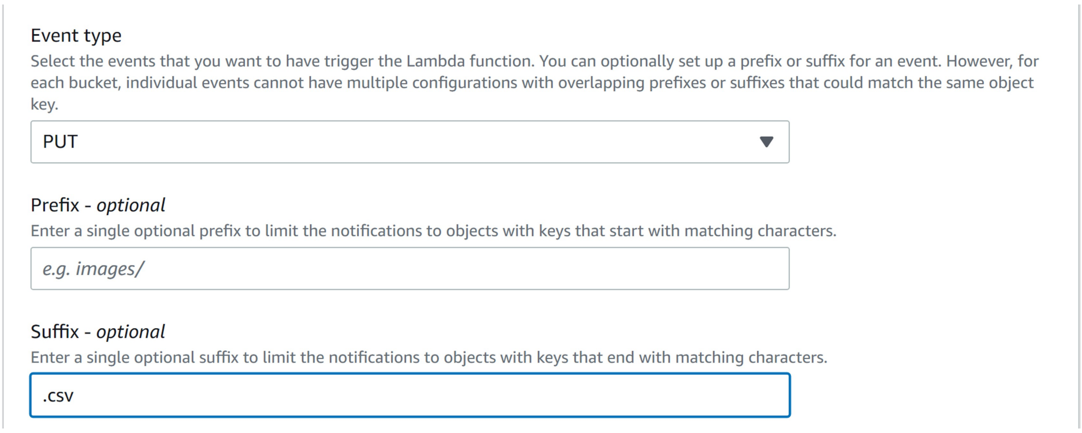
S3
aws storage

Bucket

Please select the S3 bucket that serves as the event source. The bucket must be in the same region as the function.

s3/desafio-csv-loader-bucket

Bucket region: us-east-1



Event type

Select the events that you want to have trigger the Lambda function. You can optionally set up a prefix or suffix for an event. However, for each bucket, individual events cannot have multiple configurations with overlapping prefixes or suffixes that could match the same object key.

PUT

Prefix - *optional*

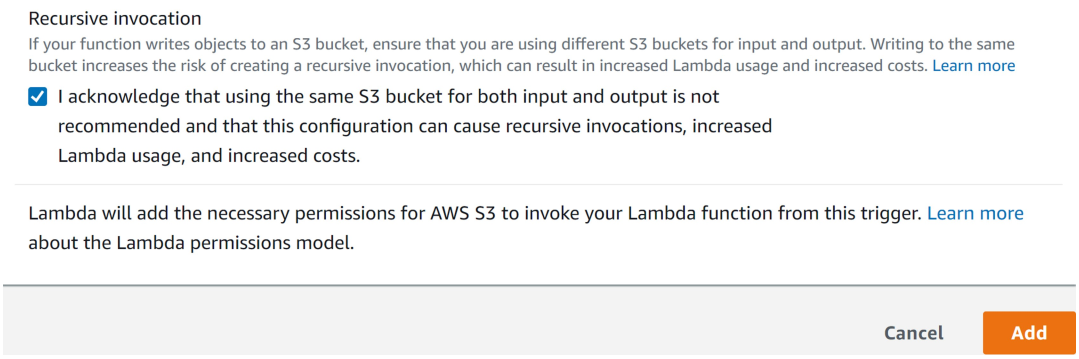
Enter a single optional prefix to limit the notifications to objects with keys that start with matching characters.

e.g. images/

Suffix - *optional*

Enter a single optional suffix to limit the notifications to objects with keys that end with matching characters.

.csv

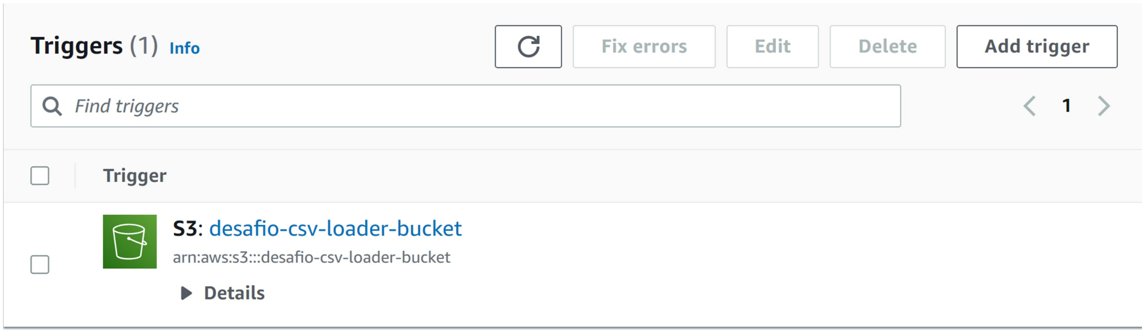


Recursive invocation

If your function writes objects to an S3 bucket, ensure that you are using different S3 buckets for input and output. Writing to the same bucket increases the risk of creating a recursive invocation, which can result in increased Lambda usage and increased costs. Learn more

☑ I acknowledge that using the same S3 bucket for both input and output is not recommended and that this configuration can cause recursive invocations, increased Lambda usage, and increased costs.

Lambda will add the necessary permissions for AWS S3 to invoke your Lambda function from this trigger. Learn more about the Lambda permissions model.

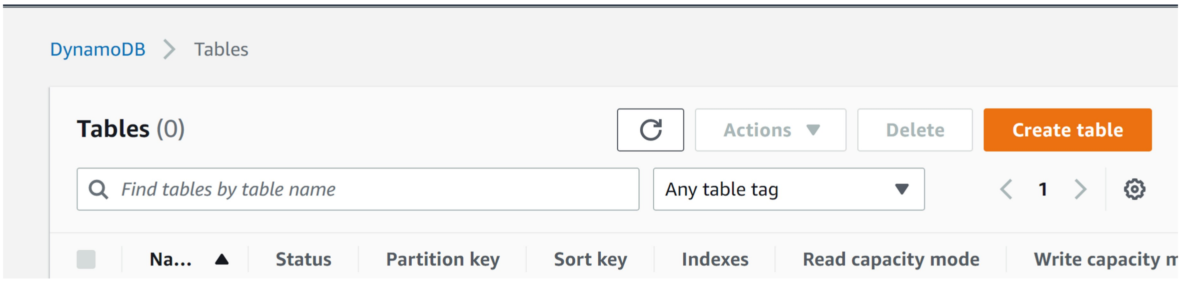


□	Trigger
□	S3: desafio-csv-loader-bucket arn:aws:s3:::desafio-csv-loader-bucket ▶ Details

Ahora creamos la tabla con DynamoDB

DynamoDB:

- Nombre: customer
- Primary key: CustomerID



□	Na... ▲	Status	Partition key	Sort key	Indexes	Read capacity mode	Write capacity m

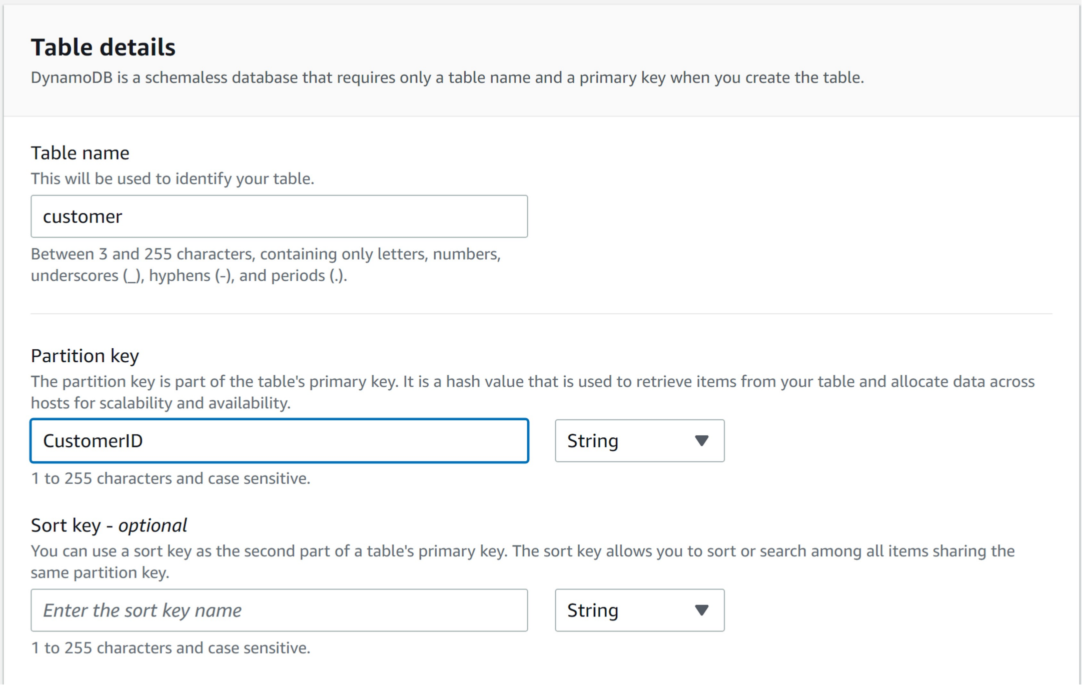


Table details

DynamoDB is a schemaless database that requires only a table name and a primary key when you create the table.

Table name

This will be used to identify your table.

customer

Between 3 and 255 characters, containing only letters, numbers, underscores (_), hyphens (-), and periods (.).

Partition key

The partition key is part of the table's primary key. It is a hash value that is used to retrieve items from your table and allocate data across hosts for scalability and availability.

CustomerID | String ▼

1 to 255 characters and case sensitive.

Sort key - *optional*

You can use a sort key as the second part of a table's primary key. The sort key allows you to sort or search among all items sharing the same partition key.

Enter the sort key name | String ▼

1 to 255 characters and case sensitive.