

**Try CloudWatch Logs Insights**

CloudWatch Logs insights allows you to search and analyze your logs using a new, purpose-built query language. To learn more, read [the AWS blog](#) or visit [our documentation](#).

[Try Logs Insights](#)**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](#)

☐ View as text

Actions ▾

[Create Metric Filter](#)

Clear

1m

30m

1h

12h

Custom



▶	Timestamp	Message
		No older events at this moment. <a href="#">Retry</a>
▶	2021-02-27T22:29:05.250+05:30	START RequestId: 5cfb1d9f-d365-4973-bb0d-2af0d5004e86 Version: \$LATEST
▶	2021-02-27T22:29:05.251+05:30	mybucketforjson
▶	2021-02-27T22:29:05.251+05:30	employee.json
▶	2021-02-27T22:29:05.251+05:30	{ 'Records': [ { 'eventVersion': '2.1', 'eventSource': 'aws:s3', 'awsRegion': 'ap-south-1', 'eventTime': '2021-02-27T16:58:53.206Z', ...
▶	2021-02-27T22:29:05.252+05:30	END RequestId: 5cfb1d9f-d365-4973-bb0d-2af0d5004e86
▶	2021-02-27T22:29:05.252+05:30	REPORT RequestId: 5cfb1d9f-d365-4973-bb0d-2af0d5004e86 Duration: 0.55 ms Billed Duration: 1 ms Memory Size: 128 MB Max Memory Used...
		No newer events at this moment. Auto retry paused. <a href="#">Resume</a>

s3-json-dynamodb

Throttle

Qualifiers ▼

Actions ▼

jsontest ▼

Test

Actions ▼

Function code [Info](#)

File Edit Find View Go Tools Window

Test ▼

Deploy

Changes not deployed

Environment

Go to Anything (Ctrl P)

s3-json-dynamodb

lambda\_function.py

Execution results

Response

"congrats"

Function Logs

START RequestId: d63d7575-3508-4fcf-bee2-c1625f356322 Version: \$LATEST

mybucketforjson

emp.json

END RequestId: d63d7575-3508-4fcf-bee2-c1625f356322

REPORT RequestId: d63d7575-3508-4fcf-bee2-c1625f356322 Duration: 0.32 ms Billed Duration: 1 ms Memory Size: 128 MB Max Memory Used: 76 MB Init Duration: 350.09 ms

Request ID

d63d7575-3508-4fcf-bee2-c1625f356322

Status: Succeeded | Max memory used: 76 MB | Time: 0.32 ms

# s3-json-dynamodb

Throttle

Qualifiers ▼

Actions ▼

jsontest ▼

Test

Function code [Info](#)

Actions ▼

File Edit Find View Go Tools Window

Test ▼

Deploy

Changes not deployed



Go to Anything (Ctrl P)

Environment

▼ s3-json-dynamodb ⚙  
    ▶ lambda\_function.py

lambda\_function × Execution results × ⌵

```
1 import boto3
2 import json
3
4 s3_client = boto3.client('s3')
5 dynamodb = boto3.resource('dynamodb')
6
7 def lambda_handler(event, context):
8     bucket = event['Records'][0]['s3']['bucket']['name']
9     json_filename = event['Records'][0]['s3']['object']['key']
10    print(bucket)
11    print(json_filename)
12    return "congrats"
```

DynamoDB

Dashboard

Tables

Backups

Reserved capacity

Preferences

DAX

Dashboard

Clusters

Subnet groups

Parameter groups

Events

Try the preview of the new console

The preview of the new DynamoDB console is now available  
We are redesigning the DynamoDB console. The preview of the new console is a work in progress, but we encourage you to [try it](#) and [let us know what you think](#).

Kinesis Data Streams for DynamoDB is now available  
You now can capture item-level changes in your DynamoDB tables as a Kinesis data stream and start taking advantage of Kinesis services to build advanced streaming applications.

Create tableDelete table

Filter by table name

Choose a table ...

Actions

Name

employee

employeeClose

OverviewItemsMetricsAlarmsCapacityIndexesGlobal TablesBackupsContributor InsightsTriggersMore

Create itemActions

Scan: [Table] employee: emp\_id

Viewing 1 to 1 items

Scan

[Table] employee: emp\_id

Add filter

Start search

emp_id	emp_name	location
111	tejas	{ "S" : "mysore" }, { "S" : "delhi" }

# mybucketforjson

- Objects
- Properties
- Permissions
- Metrics
- Management
- Access Points

## Objects (2)

Objects are the fundamental entities stored in Amazon S3. For others to access your objects, you'll need to explicitly grant them permissions. [Learn more](#)

☐ List versions

Refresh

Delete

Actions

Create folder

Upload

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	emp.csv	csv	February 27, 2021, 23:25:59 (UTC+05:30)	54.0 B	Standard
<input type="checkbox"/>	emp.json	json	February 27, 2021, 23:11:51 (UTC+05:30)	115.0 B	Standard

← → ↺ 🏠 [https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/csv\\_s3\\_dynamodb?newFunction=true&tab=configuration](https://ap-south-1.console.aws.amazon.com/lambda/home?region=ap-south-1#/functions/csv_s3_dynamodb?newFunction=true&tab=configuration) 🔍 📌 ⚙️

**aws** Services ▾ 🔍 Search for services, features, marketplace products, and docs [Alt+S] 📌 pavan ▾ Mumbai ▾ Support ▾

🟢 Successfully created the function **csv\_s3\_dynamodb**. You can now change its code and configuration. To invoke your function with a test event, choose "Test".

## csv\_s3\_dynamodb

Throttle Qualifiers ▾ Actions ▾ csvtest ▾ Test

### Function code [info](#)

File Edit Find View Go Tools Window Test ▾ Deploy **Changes deployed** 🔄 ⚙️

Go to Anything (Ctrl P)

Environment

- csv\_s3\_dynamodb ⚙️
  - lambda\_function.py

**lambda\_function.py** Execution results ×

```
1 import boto3
2 s3_client = boto3.client('s3')
3
4 dynamodb = boto3.resource('dynamodb')
5 table = dynamodb.Table('employees')
6
7 def lambda_handler(event, context):
8     bucket = event['Records'][0]['s3']['bucket']['name']
9     csv_filename = event['Records'][0]['s3']['object']['key']
10    resp = s3_client.get_object(Bucket=bucket, Key=csv_filename)
11    data = resp['Body'].read().decode('utf-8')
12    employees = data.split("\n")
13    for emp in employees:
14        print(emp)
15        emp_data = emp.split(",")
16        table.put_item(
17            Item = {
18                "id": emp_data[0],
19                "name": emp_data[1],
20                "location": emp_data[2]
21            }
22        )
```

🟢 Successfully created the function **csv\_s3\_dynamodb**. You can now change its code and configuration. To invoke your function with a test event, choose "Test".

# csv\_s3\_dynamodb

Throttle Qualifiers ▾ Actions ▾ csvtest ▾ Test

File Edit Find View Go Tools Window

Test ▾ Deploy **Changes deployed**

🔍 Go to Anything (Ctrl P)

Environment

- 📁 csv\_s3\_dynamodb ⚙️
  - 📄 lambda\_function.py

📄 lambda\_function × Execution result × 🟢

Status: **Succeeded** | Max memory used: 78 MB | Time: 485.20 ms

## Execution results

### Response

null

### Function Logs

START RequestId: 4b03d621-499a-4eaa-b79f-d2c332f9a8c7 Version: \$LATEST  
1,pavan,bangalore  
2,kalyan,hyderabad  
3,nikhil,mumbai  
END RequestId: 4b03d621-499a-4eaa-b79f-d2c332f9a8c7  
REPORT RequestId: 4b03d621-499a-4eaa-b79f-d2c332f9a8c7 Duration: 485.20 ms Billed Duration: 486 ms Memory Size: 128 MB Max Memory Used: 78 MB Init Duration: 369.20 ms

### Request ID

4b03d621-499a-4eaa-b79f-d2c332f9a8c7

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https://ap-south-1.console.aws.amazon.com/dynamodb/home?region=ap-south-1#tables:selected=employees;tab=items

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📶

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Services ▾

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🔔

pavan ▾

Mumbai ▾

Support ▾

DynamoDB

Dashboard

Tables

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Reserved capacity

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DAX

Dashboard

Clusters

Subnet groups

Parameter groups

Events

Try the preview of the new console

Create table

Delete table

🔍

Filter by table name

✕

Choose a table ... ▾

Actions ▾

Name ▾

employee

employees

employees

Close

Overview

Items

Metrics

Alarms

Capacity

Indexes

Global Tables

Backups

Contributor Insights

Triggers

More ▾

Create item

Actions ▾

Scan: [Table] employees: id

^

Viewing 1 to 3 items

Scan ▾

[Table] employees: id ▾

^

➕ Add filter

Start search

id ⓘ

↕

location

↕

name

↕

1

bangalore

pavan

2

hyderabad

kalyan

3

mumbai

nikhil

Scanned with CamScanner



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## Log events

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☐ View as text



Actions ▼

Create Metric Filter

Filter events

Clear

1m

30m

1h

12h

Custom



Timestamp	Message
No older events at this moment. <a href="#">Retry</a>	
2021-02-27T22:51:06.652+05:30	START RequestId: 7ef2370f-1515-484c-a14c-12786525825c Version: \$LATEST
2021-02-27T22:51:07.165+05:30	An error occurred (ValidationException) when calling the PutItem operation: One or more parameter values were invalid: Missing t...
2021-02-27T22:51:07.184+05:30	END RequestId: 7ef2370f-1515-484c-a14c-12786525825c
2021-02-27T22:51:07.184+05:30	REPORT RequestId: 7ef2370f-1515-484c-a14c-12786525825c Duration: 530.96 ms Billed Duration: 531 ms Memory Size: 128 MB Max Memor...
2021-02-27T22:52:12.341+05:30	START RequestId: 7ef2370f-1515-484c-a14c-12786525825c Version: \$LATEST
2021-02-27T22:52:12.758+05:30	An error occurred (ValidationException) when calling the PutItem operation: One or more parameter values were invalid: Missing t...
2021-02-27T22:52:12.764+05:30	END RequestId: 7ef2370f-1515-484c-a14c-12786525825c
2021-02-27T22:52:12.764+05:30	REPORT RequestId: 7ef2370f-1515-484c-a14c-12786525825c Duration: 420.96 ms Billed Duration: 421 ms Memory Size: 128 MB Max Memor...
2021-02-27T22:54:23.926+05:30	START RequestId: 7ef2370f-1515-484c-a14c-12786525825c Version: \$LATEST
2021-02-27T22:54:24.326+05:30	END RequestId: 7ef2370f-1515-484c-a14c-12786525825c
2021-02-27T22:54:24.326+05:30	REPORT RequestId: 7ef2370f-1515-484c-a14c-12786525825c Duration: 398.23 ms Billed Duration: 399 ms Memory Size: 128 MB Max Memor...
2021-02-27T22:54:25.169+05:30	START RequestId: eb1ba424-8ea1-4feb-a48c-de774f3ddde4 Version: \$LATEST
2021-02-27T22:54:25.266+05:30	END RequestId: eb1ba424-8ea1-4feb-a48c-de774f3ddde4
2021-02-27T22:54:25.266+05:30	REPORT RequestId: eb1ba424-8ea1-4feb-a48c-de774f3ddde4 Duration: 95.28 ms Billed Duration: 96 ms Memory Size: 128 MB Max Memory ...
No newer events at this moment. Auto retry paused. <a href="#">Resume</a>	