I created my first web app on cloud using AWS Amplify. And, it changed the way i think about web apps now, all i had to do was to write all my styling (CSS), and logic (JS) in index.html (HTML) file, and upload it here. AWS amplify deployed and hosted my web app seamlessly.

Give feedback   Support   Docs

my_fist_cloud_app

App ID: d1z9673rwuoblm

Visit deployed URL ⧉

- 📄 Overview
- ☁️ Hosting ⌄
- 📊 Monitoring ⌄
- ⚙️ App settings ⌄

▼ Get to production

0 of 3 steps complete

1 **Add a custom domain**

Use your own custom domain with free HTTPS to provide a secure, friendly URL for your app.

Add custom domain

2 **Enable firewall protections**

Web traffic restrictions for Amplify Hosting are offered by AWS Web Application Firewall (WAF).

Enable firewall

3 **Connect new branches**

Connect another branch from your Git repository to set up multiple environments.

Connect a new branch

Branches 1

🔍 Search...

➕ Add branch

my_branch
Deployed ⊘

Deploy updates   ★ Production branch

Domain
https://my-branch.d1z9673rwuoblm.amplifyapp.com

Last deployment
46 minutes ago

my_fist_cloud_app «

▤ Overview

☁ Hosting ∧

Access control

Build notifications

Custom domains

Custom headers and cache

Firewall

Rewrites and redirects

📊 Monitoring ∨

⚙ App settings ∧

General settings

Branch settings

General settings

my_fist_cloud_app

✎ Edit

App name
my_fist_cloud_app

Platform
WEB

Production branch URL
https://my-branch.d1z9673rwuoblm.amplifyapp.com

App ARN
arn:aws:amplify:us-east-2:633697711385:apps/d1z9673rwuoblm

Created at
11/7/2025, 2:14:55 PM

Framework
-

Updated at
11/7/2025, 2:14:55 PM

Delete app

🗑 Delete app

Once an app is deleted it cannot be recovered.

My app was up and running, but there was no backend code there, so i had 2 options either to host a [node.JS](#) backend OR, go serverless! I wrote my backend logic in python in a Lambda function. And deployed that Lambda function on AWS, and made sure it works by testing it.

aws · · · Q Search · · · [Option+S] · · · United States (Ohio) ▼

Lambda > Functions > mysecondfunction

Code   Test   Monitor   Configuration   Aliases   Versions

Code source Info

Open in Visual Studio Code ↗   Upload from ▼

← →   🔍 mysecondfunction

EXPLORER   ···   🐍 lambda_function.py ✕

∨ MYSECONDFUNCTION   🐍 lambda_function.py
🐍 lambda_function.py

```
15    def lambda_handler(event, context):
22
23
24        # extract values from the event object we got from the Lambda service and store in a variable
25        name = event['firstname'] +' '+ event['lastname']
26    # write name and time to the DynamoDB table using the object we instantiated and save response in a variable
27        response = table.put_item(
28            Item={
29                'ID': name,
30                'LatestGreetingTime':now
```

∨ DEPLOY ✓ Current

Deploy (⇧⌘U)

Test (⇧⌘I)

PROBLEMS   OUTPUT   CODE REFERENCE LOG   TERMINAL   Tasks ▼

mysecondfunction

Throttle | Copy ARN | Actions ▾

▾ Function overview Info

Export to Infrastructure Composer | Download ▾

Diagram | Template

λ **mysecondfunction**

⬚ Layers (0)

🔲 **API Gateway**

＋ Add trigger

＋ Add destination

Description
-

Last modified
1 hour ago

Function ARN
📋 arn:aws:lambda:us-east-2:633697711385:function:mysecondfunction

Function URL Info
-

Code | Test | Monitor | Configuration | Aliases | Versions

Code source Info

Open in Visual Studio Code ↗ | Upload

← → 🔍 mysecondfunction

☰ EXPLORER ⋯ | 🐍 lambda_function.py ✕

Amazon
API Gateway

I passed test payload, and the result was Status 200 (OK), but i wanted my app to be able to send a payload to this function now. So, i created an API using API gateway, where i then created a POST method using Lambda integration (and selected the lambda fnc i created earlier). Enabled CORS. Deployed the API, tested it and copied the invoke URL to then include in my web app.

API Gateway

APIs

Custom domain names

Domain name access associations

VPC links

Usage plans

API keys

Client certificates

Settings

APIs (1/1)

Delete   **Create API**

🔍 Find APIs

	Name ▲	Description ▽	ID ▽	Protocol ▽	API endpoint type ▽	Created ▽
○	**myfirstAPI**		03pygpsvr1	REST	Edge-optimized	2025-11-07

aws

⊞ 🔍 Search   [Option+S]

United States (Ohio) ▼

☰ Lambda > Functions > mysecondfunction

ⓘ 🕐

API Gateway

+ Add destination

📋 arn:aws:lambda:us-east-2:633697711385:function:mysecondfunction

Function URL | Info

-

+ Add trigger

| Code | Test | Monitor | **Configuration** | Aliases | Versions |

General configuration

Triggers (1) Info   🔄 (Fix errors) (Edit) (Delete) (**Add trigger**)

Triggers

🔍 Find triggers   ‹ 1 ›

Permissions

Destinations

☐ | **Trigger**

Function URL

Environment variables

Tags

VPC

☐

API Gateway: **myfirstAPI**
arn:aws:execute-api:us-east-2:633697711385:03pygpsvr1/*/POST/
API endpoint: **https://03pygpsvr1.execute-api.us-east-2.amazonaws.com/stg/**

▶ **Details**

RDS databases

Monitoring and operations tools

API Gateway > APIs > Resources - myfirstAPI (03pygpsvr1)

API Gateway

APIs
Custom domain names
Domain name access associations
VPC links

▼ **API: myfirstAPI**

Resources
Stages
Authorizers
Gateway responses
Models
Resource policy
Documentation
Dashboard
API settings

Usage plans
API keys
Client certificates
Settings

Create resource

▢ /
   OPTIONS
   POST

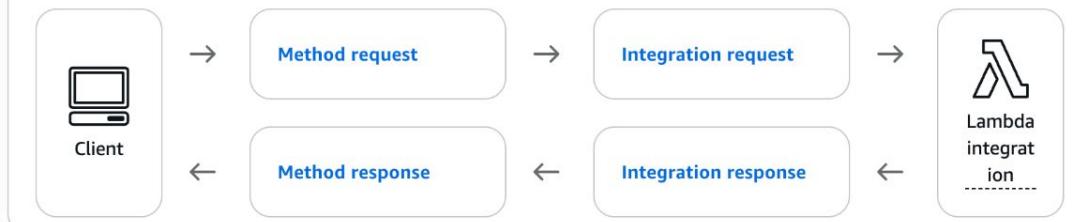
/ - POST - Method execution

Update documentation **Delete**

ARN
⧉ arn:aws:execute-api:us-east-2:633697711385:03pygpsvr1/*/POST/

Resource ID
4lerkugm8c

Client → Method request → Integration request → Lambda integration

Client ← Method response ← Integration response ← Lambda integration

---

Method request | Integration request | Integration response | Method response | Test

---

Method request settings

Edit

Authorization
NONE

API key required
False

Request validator
None

SDK operation name
Generated based on method and path

Request paths (0)

‹ 1 ›

Amazon DynamoDB

Now, the data that is being passed in the app, should be stored in database. As, the data is eventually going to the lambda function via API, we need to give permissions to our lambda function to access DB and then store our data in it.

aws | Search [Option+S]

United States (Ohio) ▼

DynamoDB > Tables

DynamoDB

Dashboard
Tables
Explore items
PartiQL editor
Backups
Exports to S3
Imports from S3
Integrations
Reserved capacity
Settings

▼ **DAX**
Clusters
Subnet groups
Parameter groups
Events

Tables (1) Info

Last updated
November 7, 2025, 15:59 (UTC-3:30)

Actions ▼ | Delete | **Create table**

🔍 Find tables

Filter by tag
Any tag key ▼

Filter by tag value
Any tag value ▼

◁ **1** ▷ ⚙

	Name ▲	Status ▼	Partition key ▼	Sort key ▼	Indexes ▼	Replication Regions ▼	Deletion protection ▼	Favorite ▼
☐	**myfirstappdb**	✓ Active	ID (S)	-	0	0	⊖ Off	☆

DynamoDB > Tables > myfirstappdb

DynamoDB

Dashboard

Tables

Explore items

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▼ DAX

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Tables (1)

Filter by tag
Any tag key ▼

Filter by tag value
Any tag value ▼

🔍 Find tables

< 1 > ⚙️

◉ myfirstappdb ⭐

myfirstappdb

Last updated
November 7, 2025, 15:59 (UTC-3:30)

🔄 ⭐ | Actions ▼ | **Explore table items**

< | **Settings** | Indexes | Monitor | Global tables | Backups | Exports and streams | >

ⓘ **Protect your DynamoDB table from accidental writes and deletes**
When you turn on point-in-time recovery (PITR), DynamoDB backs up your table data automatically so that you can restore to any given second in the preceding 1 to 35 days. Additional charges apply. Learn more ↗

Edit PITR ✕

General information Info

Get live item count

Partition key
ID (String)

Sort key
-

Capacity mode
On-demand

Table status
✓ Active

Alarms
✓ No active alarms

Point-in-time recovery (PITR) Info
⊖ Off

Item count
0

Table size
0 bytes

Average item size
0 bytes

Resource-based policy Info
⊖ Not active

Amazon Resource Name (ARN)
⧉ arn:aws:dynamodb:us-east-2:633697711385:table/myfirstappdb

Account ID: 6336-9771-1385 ▾

Eshita

United States (Ohio) ▾

DynamoDB

Dashboard

Tables

Explore items

PartiQL editor

Backups

Exports to S3

Imports from S3

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Reserved capacity

Settings

▼ DAX

Clusters

Subnet groups

Parameter groups

Events

Any tag value ▾

🔍 Find tables

‹ 1 › ⚙

◉ myfirstappdb ☆

◉ Scan   ○ Query

Select a table or index

Table - myfirstappdb ▾

Select attribute projection

All attributes ▾

▸ Filters – *optional*

Run   Reset

✓ **Completed** · Items returned: **3** · Items scanned: **3** · Efficiency: **100%** · RCUs consumed: **2**   ✕

Table: myfirstappdb - Items returned (3)   ↻ Actions ▾   Create item

Scan started on November 07, 2025, 15:59:40

‹ 1 › ⚙

	ID *(String)* ▽	LatestGreetingTime ▽
☐	Eshita Gupta	Fri, 07 Nov 2025 18:31:48 +0000
☐	Test Test	Fri, 07 Nov 2025 18:41:01 +0000
☐	Hi Me	Fri, 07 Nov 2025 18:41:19 +0000