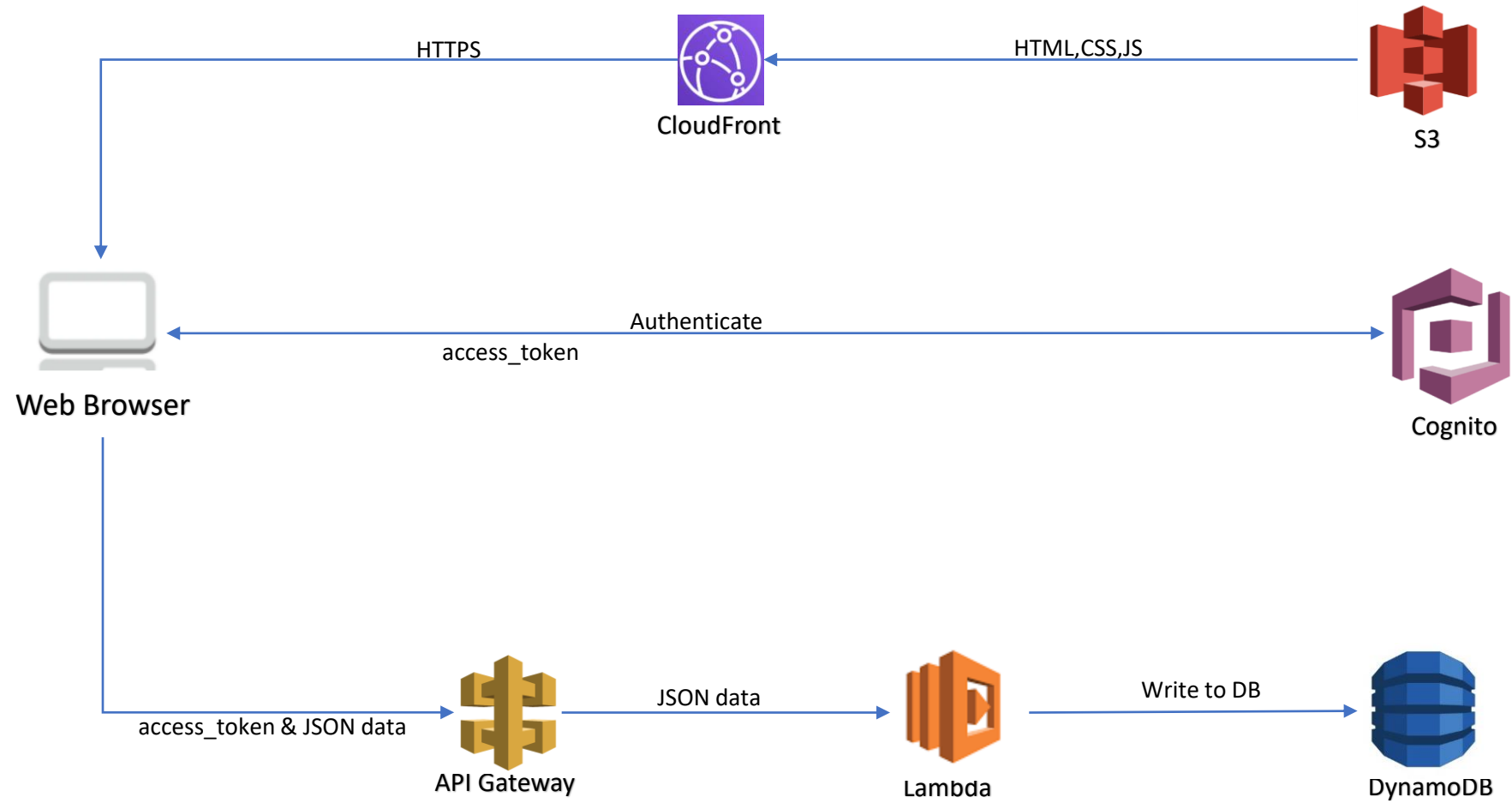


Use the serverless technology to build up a feedback website for a book publishing company.

## Basic Architecture



# Deploying website in S3 Bucket

Create a S3 bucket and enable the static webhosting and upload the files html,css,js files which are required

Amazon S3

► **Account snapshot**  
Storage lens provides visibility into storage usage and activity trends. [Learn more](#)

**Buckets (1)** [Info](#)  
Buckets are containers for data stored in S3. [Learn more](#)

Find buckets by name

	Name	AWS Region
<input type="radio"/>	s3serverlesspal	Asia Pacific (Singapore) ap-southeast-1

Amazon S3 > s3serverlesspal > Edit static website hosting

**Edit static website hosting** [Info](#)

**Static website hosting**  
Use this bucket to host a website or redirect requests. [Learn more](#)

Static website hosting  
☐ Disable  
☒ Enable

Hosting type  
☒ Host a static website  
Use the bucket endpoint as the web address. [Learn more](#)  
☐ Redirect requests for an object  
Redirect requests to another bucket or domain. [Learn more](#)

ⓘ For your customers to access content at the website endpoint, you must make all your content publicly readable. To do so, you can edit the S3 Block Public Access settings for the bucket. For more information, see [Using Amazon S3 Block Public Access](#)

**Index document**  
Specify the home or default page of the website.

**Error document - optional**  
This is returned when an error occurs.

**Redirection rules - optional**  
Redirection rules, written in JSON, automatically redirect webpage requests for specific content. [Learn more](#)

1

## Bucket policy

The bucket policy, written in JSON, provides access to the objects stored in the bucket. Bucket policies don't apply to o

```
{
  "Version": "2012-10-17",
  "Id": "Policy1633422029171",
  "Statement": [
    {
      "Sid": "2",
      "Effect": "Allow",
      "Principal": {
        "AWS": "arn:aws:iam::cloudfront:user/CloudFront Origin Access Identity EAU9BCRLTONEM"
      },
      "Action": "s3:GetObject",
      "Resource": "arn:aws:s3:::s3serverlesspal/*"
    }
  ]
}
```

## Note:

- S3 bucket to be linked with Cloud front to Implement https.
- To make web accessible only through cloud front set the bucket policy as mentioned above

# Deploying website in S3 Bucket

s3serverlesspal [Info](#)

Publicly accessible

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](#)

[Refresh](#) [Copy S3 URI](#) [Copy URL](#) [Download](#) [Open](#) [Delete](#) [Actions](#) [Create folder](#) [Upload](#)

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	<a href="#">FeedbackForm/</a>	Folder	-	-	-
<input type="checkbox"/>	<a href="#">index.html</a>	html	October 5, 2021, 14:12:02 (UTC+05:30)	705.0 B	Standard

### Objects (5)

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

[Refresh](#) [Copy S3 URI](#) [Copy URL](#) [Download](#) [Open](#) [Delete](#) [Actions](#) [Create folder](#)

<input type="checkbox"/>	Name	Type	Last modified
<input type="checkbox"/>	<a href="#">css/</a>	Folder	-
<input type="checkbox"/>	<a href="#">Fail.html</a>	html	October 16, 2021, 02:16:00 (UTC+05:30)
<input type="checkbox"/>	<a href="#">Feedback.html</a>	html	October 16, 2021, 01:14:27 (UTC+05:30)
<input type="checkbox"/>	<a href="#">Feedformhandler.js</a>	js	October 16, 2021, 02:15:49 (UTC+05:30)
<input type="checkbox"/>	<a href="#">sucess.html</a>	html	October 16, 2021, 02:16:05 (UTC+05:30)

## Note:

- Feedback.html – feedback form.
- Feedformhandler.js – get data from the form and access token from Cognito and sends to api gateway

# Deploying up CloudFront for https

## Settings

**Origin domain**  
Choose an AWS origin, or enter your origin's domain name.

**Origin path - optional** [Info](#)  
Enter a URL path to append to the origin domain name for origin requests.

**Name**  
Enter a name for this origin.

**S3 bucket access** [Info](#)  
Use a CloudFront origin access identity (OAI) to access the S3 bucket.

☐ Don't use OAI (bucket must allow public access)

☒ Yes use OAI (bucket can restrict access to only CloudFront)

**Origin access identity**  
Select an existing origin access identity (recommended) or create a new identity.

**Bucket policy**  
Update the S3 bucket policy to allow read access to the OAI.

☐ No, I will update the bucket policy

☒ Yes, update the bucket policy

**Add custom header - optional**  
CloudFront includes this header in all requests that it sends to your origin.

## Edit behavior

### Settings

**Path pattern** [Info](#)

**Origin and origin groups**

**Compress objects automatically** [Info](#)

☐ No

☒ Yes

**Viewer**

**Viewer protocol policy**

☐ HTTP and HTTPS

☒ Redirect HTTP to HTTPS

☐ HTTPS only

**Allowed HTTP methods**

☐ GET, HEAD

☐ GET, HEAD, OPTIONS

☒ GET, HEAD, OPTIONS, PUT, POST, PATCH, DELETE

**Cache HTTP methods**  
GET and HEAD methods are cached by default.

☐ OPTIONS

**Restrict viewer access**  
If you restrict viewer access, viewers must use CloudFront signed URLs or signed cookies to access your content.

☒ No

☐ Yes

**Cache key and origin requests**  
We recommend using a cache policy and origin request policy to control the cache key and origin requests.

☒ Cache policy and origin request policy (recommended)

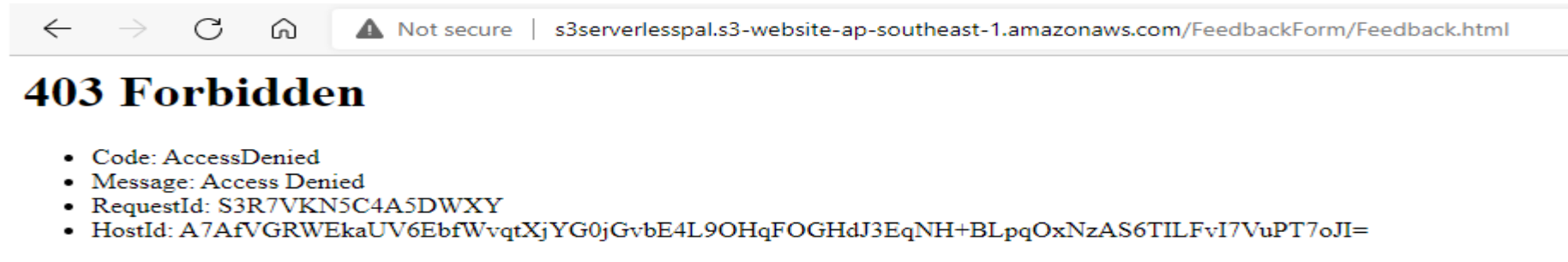
Note: ensure below mentioned points are selected

- Yes use OAI (bucket can restrict access to only CloudFront)
- Redirect HTTP to HTTPS

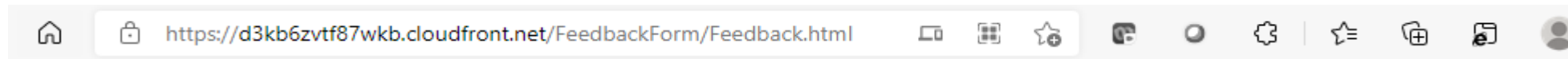
Did not use CNAME used default ssl certificate of CloudFront is used.

## Testing the website

Without https and direct access to s3



With https & through cloud Front



## Architecting a website using the Serverless Technology

### FEEDBACK FORM

Dear Customer,

Thank you for buying our Newbook - ServerlessServer from our Stores.We would like to know how we performed. Please spare some moments to give us your valuable feedback as it will help us in improving our service.

# Creating Cognito User Pool

## Which app clients will have access to this user pool?

The app clients that you add below will be given a unique ID and an optional secret key to access this user pool.

access-webFeedback

App client id

emcb41pdfhne7pacncrjrf2t

App client secret

3tgsgmbvglii0svv25gf3mj5o8f2kuas9dm5guopin21omg0gfg

Refresh token expiration

30 days and 0 minutes

Must be between 60 minutes and 3650 days

Access token expiration

0 days and 60 minutes

Must be between 5 minutes and 1 day. Cannot be greater than refresh token expiration

ID token expiration

0 days and 60 minutes

Must be between 5 minutes and 1 day. Cannot be greater than refresh token expiration

### Auth Flows Configuration

☐ Enable username password auth for admin APIs for authentication (ALLOW\_ADMIN\_USER\_PASSWORD\_AUTH) [Learn more.](#)

☐ Enable lambda trigger based custom authentication (ALLOW\_CUSTOM\_AUTH) [Learn more.](#)

☐ Enable username password based authentication (ALLOW\_USER\_PASSWORD\_AUTH) [Learn more.](#)

☐ Enable SRP (secure remote password) protocol based authentication (ALLOW\_USER\_SRP\_AUTH) [Learn more.](#)

☒ Enable refresh token based authentication (ALLOW\_REFRESH\_TOKEN\_AUTH) [Learn more.](#)

### Security configuration

Prevent User Existence Errors [Learn more.](#)

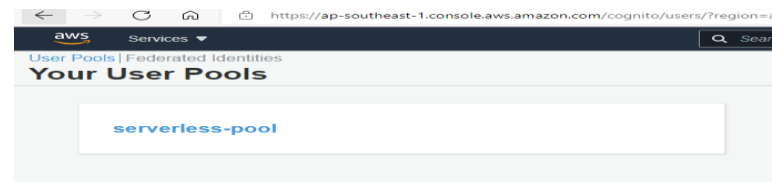
☐ Legacy  
☒ Enabled (Recommended)

Advanced token settings

☐ Enable token revocation

Enabling this feature adds new claims to access and id tokens, thereby increasing their size. [Learn more.](#)

[Set attribute read and write permissions](#)



Pool Id ap-southeast-1\_sxW61XDJE

Pool ARN arn:aws:cognito-idp:ap-southeast-1:440802768035:userpool/ap-southeast-1\_sxW61XDJE

Estimated number of users 3

Required attributes email

Alias attributes none

Username attributes none

Enable case insensitivity? Yes

Custom attributes [Choose custom attributes...](#)

Minimum password length 8

Password policy uppercase letters, lowercase letters, special characters, numbers

User sign ups allowed? Users can sign themselves up

FROM email address Default

Email Delivery through Amazon SES No

Note: You have chosen to have Cognito send emails on your behalf. Best practices suggest for production User Pools due to a daily email limit. [Learn more about email best practices.](#)

MFA [Enable MFA...](#)

Verifications Email

Advanced security [Enable advanced security...](#)

## Creating Cognito User Pool

### What domain would you like to use?

Type a domain prefix to use for the sign-up and sign-in pages that are hosted by Amazon Cognito. The prefix must be unique across the selected AWS Region. Domain names can only contain lower-case letters, numbers, and hyphens. [Learn more about domain prefixes.](#)

#### Amazon Cognito domain

Prefixed domain names can only contain lower-case letters, numbers, and hyphens. [Learn more about domain prefixes.](#)

Domain prefix

https:// paltest001

.auth.ap-southeast-1.amazoncognito.com

Delete domain

#### Your own domain

This domain name needs to have an associated certificate in [AWS Certificate Manager \(ACM\)](#). You also need the ability to add an alias record to the domain's hosted zone after it's associated with this user pool. [Learn more about using your own domain.](#)

Use your domain

[Go to summary](#)

[Customize UI](#)



# Creating Cognito User Pool

## App client access-webFeedback

ID emcb41pdfhcne7pacncrjrf2t

### Enabled Identity Providers

☒ Select all

☒ Cognito User Pool

### Sign in and sign out URLs

Enter your callback URLs below that you will include in your sign in and sign out requests. Each field can contain multiple URLs by entering a comma after each URL.

#### Callback URL(s)

<https://d3kb6zvtf87wkb.cloudfront.net/FeedbackForm/Feedback.html>

#### Sign out URL(s)

<https://www.example.com/signout>

### OAuth 2.0

Select the OAuth flows and scopes enabled for this app. [Learn more about flows and scopes.](#)

#### Allowed OAuth Flows

☐ Authorization code grant ☒ Implicit grant ☐ Client credentials

#### Allowed OAuth Scopes

☒ phone ☒ email ☒ openid ☒ aws.cognito.signin.user.admin ☒ profile

### Hosted UI

The hosted UI provides an OAuth 2.0 authorization server with built-in webpages that can be used to sign up and sign in users using the domain you created. [Learn more about the hosted UI](#)

[Launch Hosted UI](#) 

### Note:

- In callback URL specify the page after login to be should , in our case it is feedback.html
- select implicit grant, to get the access\_token in the url. Which will be passed to api gateway
- In the project we will using Hosted UI which is provided by aws.

# Testing Cognito

Sign up with a new account

Username

Testuser

Email

rpalaani30@gmail.com

Password

.....

- ✓ Password must contain a lower case letter
- ✓ Password must contain an upper case letter
- ✓ Password must contain a special character
- ✓ Password must contain a number
- ✓ Password must contain at least 8 characters

Sign up

Already have an account? [Sign in](#)

We have sent a code by email to r\*\*\*@g\*\*\*.com.  
Enter it below to confirm your account.

Verification Code

.....

Confirm Account

Didn't receive a code? [Resend it](#)

Users

Groups

Import users

Create user

User name

Search for value...

Username	Enabled	Account status	Email	Email verified	Phone number verified	Updated	Created
palaani	Enabled	CONFIRMED	rpalaani30@gmail.com	true	-	Oct 14, 2021 6:17:59 PM	Oct 14, 2021 6:17:03 PM
rpalaani	Enabled	CONFIRMED	rpalaani30@gmail.com	true	true	Oct 15, 2021 1:56:07 PM	Oct 12, 2021 10:04:04 AM
rpalaanidiya	Enabled	FORCE_CHANGE_PASSWORD	rpalaani30@gmail.com	true	true	Oct 12, 2021 10:04:42 AM	Oct 12, 2021 10:04:42 AM
testuser	Enabled	CONFIRMED	rpalaani30@gmail.com	true	-	Oct 15, 2021 10:56:53 PM	Oct 15, 2021 10:55:55 PM

https://d3kb6zvtf87wkb.cloudfront.net/FeedbackForm/Feedback.html#id\_token=eyJraWQjOiUcL0c2Y2pKb1JzZWWE5Zzd5b1JBbTRzUFFyV3Fud1ZGeDRBQjRCNnZjWjXICND0iLCJhbGciOiSUzI1NiJ9.eyJhdF9oYX...

Architecting a website using the Serverless Technology

FEEDBACK FORM

Dear Customer,

Thank you for buying our Newbook - ServerlessServer from our Stores. We would like to know how we performed. Please spare some moments to give us your valuable feedback as it will help us in improving

Response type = token. – access\_token

## Create DynamoDB Table

### Tables (1) [Info](#)

<input type="checkbox"/>	Name	Status	Partition key	Sort key	Indexes	Read capacity mode
<input type="checkbox"/>	TblServerless	Active			0	Provisioned with auto scaling (1)

### TblServerless

[Overview](#)[Indexes](#)[Monitor](#)[GL](#)

#### General information

Partition key  
FeedbackID (String)

Indexes  
0 globals, 0 locals

Replication Regions  
0 Regions

Amazon Resource Name (ARN)  
 arn:aws:dynamodb:ap-southeast-1:4408027

#### Attributes

☒ View DynamoDB JSON

```
1 {
2   "FeedbackID": {
3     "s": "rp30@gmail.com1634330907167"
4   },
5   "UserExp": {
6     "s": "4"
7   },
8   "emailId": {
9     "s": "rp30@gmail.com"
10  },
11  "CovidManagment": {
12    "s": "4"
13  },
14  "Suggestion": {
15    "s": "syggestion2"
16  },
17  "StaffAttitude": {
18    "s": "4"
19  }
20 }
```

## Testing Table

Completed Read capacity units consumed: 0.5

#### Items returned (1)

<input type="checkbox"/>	FeedbackID	CovidMa...	emailId	StaffAtti...	Suggestion	UserExp
<input type="checkbox"/>	pal@gmail.com16343...	4	pal@gmail...	1	test	3

# Create Lambda function



## Lambda function to access DynamoDB

### IAM Role for Lambda function

**i** New feature to generate a policy based on CloudTrail events.  
AWS uses your CloudTrail events to identify the services and actions used and generate a least privileged policy that you can attach to this role.

Roles > Accessdynamodb

#### Summary

Role ARN	arn:aws:iam::440802768035:role/Accessdynamodb 
Role description	Allows Lambda functions to call AWS services on your behalf.   <a href="#">Edit</a>
Instance Profile ARNs	
Path	/
Creation time	2021-10-12 17:01 UTC+0530
Last activity	2021-10-16 02:23 UTC+0530 (Today)
Maximum session duration	1 hour <a href="#">Edit</a>

#### Permissions

#### Trust relationships

#### Tags

#### Access Advisor

#### Revoke sessions

▼ Permissions policies (2 policies applied)

#### Attach policies

Policy name ▼	Policy type ▼
▶  AWSLambdaBasicExecutionRole	AWS managed policy
▼ DynamoPolicy	Inline policy

This policy defines some actions, resources, or conditions that do not provide permissions. To grant access, policies must have an action that has an applicable resource or condition. For details, choose **Show remaining**. [Learn more](#)

Policy summary

{ } JSON

Edit policy

Filter

Service ▼

Access level

Resource

Request

Allow (1 of 297 services) [Show remaining](#) 296

DynamoDB	Full: List, Write, Tagging Limited: Read	Multiple	None
----------	------------------------------------------	----------	------

# Create Lambda function

Lambda > Functions > writeDyanmodbpal > Edit basic settings

## Edit basic settings

### Basic settings [Info](#)

#### Description - optional

#### Memory (MB) [Info](#)

Your function is allocated CPU proportional to the memory configured.

MB

Set memory to between 128 MB and 10240 MB

#### Timeout

min  sec

#### Execution role

Choose a role that defines the permissions of your function. To create a custom role, go to the [IAM console](#).

- ☒ 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.

[View the Accessdynamodb role on the IAM console.](#)

Cancel

Save

```
File Edit Find View Go Tools Window Test Deploy Changes deployed

Go to Anything (Ctrl-P)

writeDyanmodbpal
  index.js

index.js
1 'use strict';
2
3 console.log('Loading function');
4 var AWS = require('aws-sdk');
5
6 var mydocumentClient = new AWS.DynamoDB.DocumentClient({region: 'ap-southeast-1'});
7
8
9 exports.handler = (event, context, callback) => {
10   console.log('check' + JSON.stringify(event, null, ' '));
11   var params = {
12     Item : {
13       "FeedbackID" : event.id,
14       "CovidManagment" : event.covid,
15       "emailId" : event.email,
16       "StaffAttitude": event.att,
17       "UserExp": event.userxp,
18       "Suggestion": event.sugg
19     },
20     TableName : process.env.TABLE_NAME
21   };
22   console.log('final', params);
23   mydocumentClient.put(params, function(err, data) {
24     if (err) {
25       console.log('Error putting item into dynamodb failed: ' + err);
26       context.done('error');
27     }
28     else {
29       console.log('great success: ' + JSON.stringify(data, null, ' '));
30       context.done(null, 'Done');
31     }
32   });
33 }
34
35
36
37 }
```

# Test Lambda function

Code

Test

Monitor

Configuration

Aliases

Versions

Test event

Delete

Format

Save changes

Test

Invoke your function with a test event. Choose a template that matches the service that triggers your function, or enter your event document in JSON.

☐ New event

☒ Saved event

Saved event

hello

↺

```
1 {
2   "id": "Testrun20",
3   "covid": "5",
4   "email": "NP30@gmail.com",
5   "att": "5",
6   "userxp": "4",
7   "sugg": "suggestion3"
8 }
```

Code

Test

Monitor

Configuration

Aliases

Execution result: succeeded (logs)

Details

Test event

Invoke your function with a test event. Choose a template that matches the service that triggers your function, or enter your event document in JSON.

☐ New event

☒ Saved event

Saved event

hello

```
1 {
2   "id": "Testrun20",
3   "covid": "5",
4   "email": "NP30@gmail.com",
5   "att": "5",
6   "userxp": "4",
7   "sugg": "suggestion3"
8 }
```

Filters

Run Reset

Completed Read capacity units consumed: 0.5

Items returned (2)

Find items

	Feedbac...	CovidMa...	emailId	StaffAtt...	Suggestion	UserExp
	Testrun20	5	NP30@gm...	5	suggestion3	4
	pal@gmail...	4	pal@gmail...	1	test	3

# Deploy API

## Create New REST API

APIs (1)


Find APIs


Actions Create API


< 1 > ⚙

Name	Description	ID	Protocol	Endpoint type	Created
writeDyanmodbpal-API	Created by AWS Lambda	3o5gx7bo2d	REST	Regional	2021-10-07

▼ Function overview Info

 writeDyanmodbpal

 Layers (0)

 API Gateway (2)

+ Add trigger

### Note:

- Created API from trigger option in lambda.
- Deployment I have kept default

## Deploy API

### Authorizers

Authorizers enable you to control access to your APIs using Amazon Cognito User Pools or a Lambda function.

[+ Create New Authorizer](#)

**cognito-auth**  
Authorizer ID: pm0oyq

Cognito User Pool  
serverless-pool - sxW61XDJE (ap-southeast-1)

Token Source	Token Validation
Authorization	-

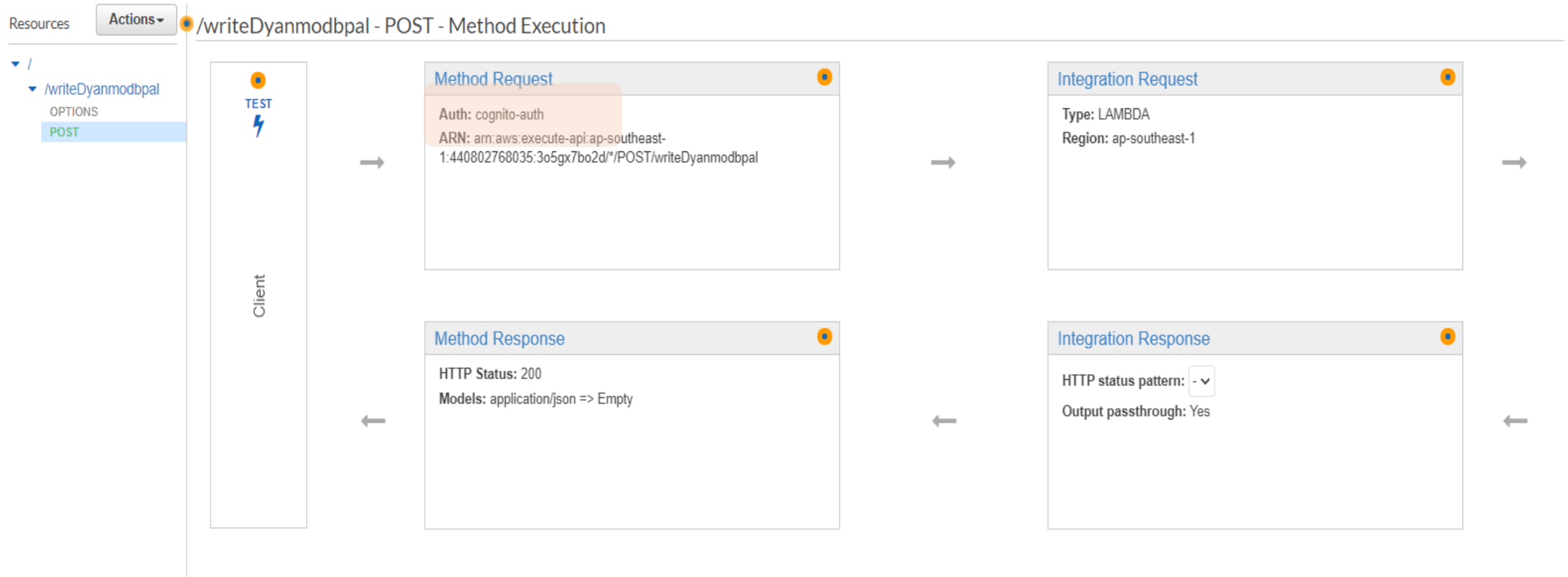
[Edit](#) [Test](#)

#### Note:

- Link to Cognito user pool.
- Token source give a name & Token validation will keep empty



# Deploy API



## Note:

- Post method to resource
- Method Request configure Auth to Cognito

# Deploy API

## Configure Integration Request

← Method Execution /writeDyanmodbpal - POST - Integration R

Provide information about the target backend that this method will call and whether the incom

Integration type ☒ Lambda Function ⓘ

☐ HTTP ⓘ

☐ Mock ⓘ

☐ AWS Service ⓘ

☐ VPC Link ⓘ

Use Lambda Proxy integration ☐ ⓘ

Lambda Region ap-southeast-1 ✎

Lambda Function writeDyanmodbpal ✎

Execution role ✎

Invoke with caller credentials ☐ ⓘ

Credentials cache Do not add caller credentials to cache key ✎

Use Default Timeout ☒ ⓘ

### HTTP Headers

#### Mapping Templates ⓘ

Request body passthrough ☐ When no template matches the request Content-Type header ⓘ

☒ When there are no templates defined (recommended) ⓘ

☐ Never ⓘ

Content-Type

application/json

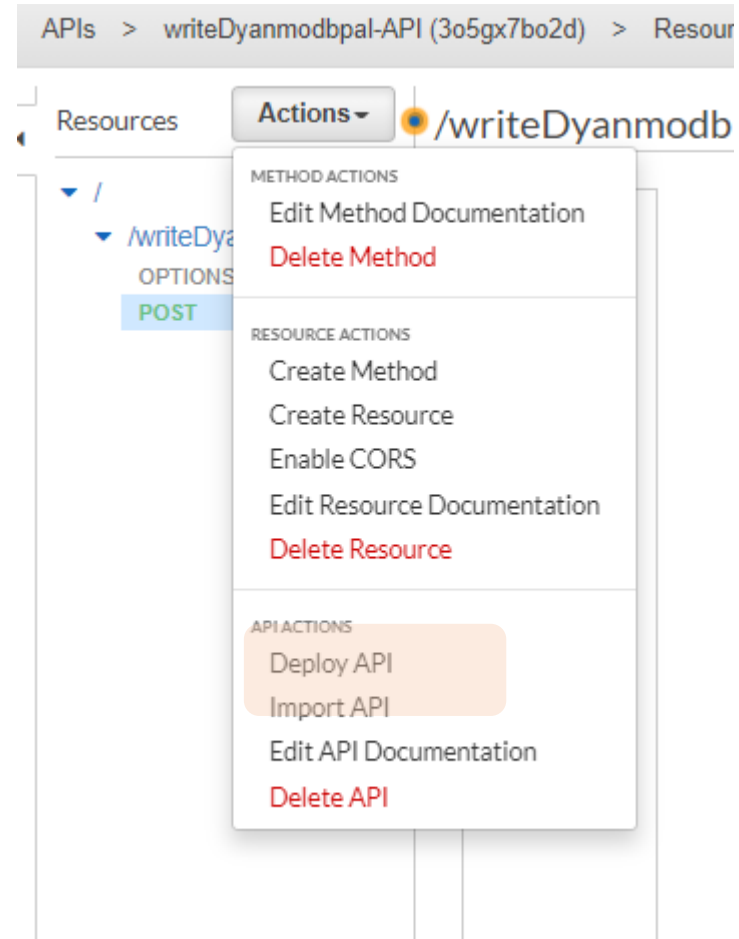
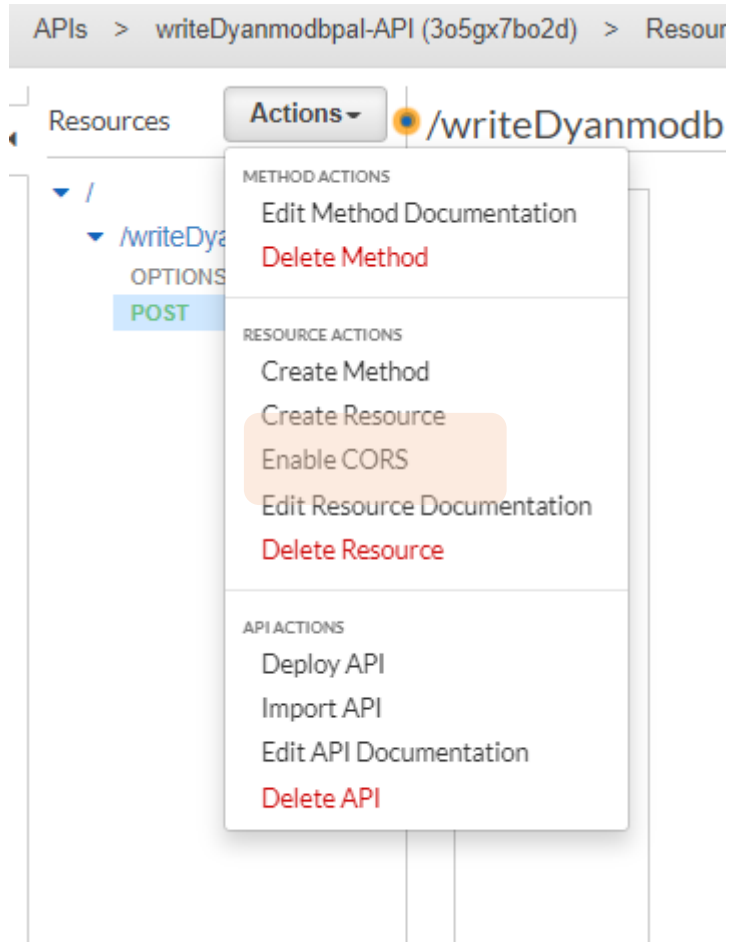
+ Add mapping template

application/json

Generate template: ▾

```
1 {  
2   "id": "$input.path('id')",  
3   "covid": "$input.path('covid')",  
4   "email": "$input.path('email')",  
5   "att": "$input.path('att')",  
6   "userxp": "$input.path('userxp')",  
7   "sugg": "$input.path('sugg')"  
8 }
```

## Deploy API



Note:

➤ Ensure to enable CORS

# Test API

## Method Execution /writeDyanmodbpal - POST - Method Test

Make a test call to your method. When you make a test call, API Gateway skips authorization and directly invokes your method

### Path

No path parameters exist for this resource. You can define path parameters by using the syntax **{myPathParam}** in a resource path.

### Query Strings

**{writeDyanmodbpal}**

param1=value1&param2=value2

### Headers

**{writeDyanmodbpal}**

Use a colon (:) to separate header name and value, and new lines to declare multiple headers. eg. Accept:application/json.

### Stage Variables

No [stage variables](#) exist for this method.

### Request Body

```
1 {
2   "id": "TestrunAPI",
3   "covid": "5",
4   "email": "NP30@gmail.com",
5   "att": "5",
6   "userxp": "4",
7   "sugg": "suggestion3"
8 }
```

Request: /writeDyanmodbpal

Status: 200

Latency: 1403 ms

Response Body

"Done"

Response Headers

```
{"Access-Control-Allow-Origin":"*", "X-Amzn-Trace-Id":"Root=1-616a17db-c179f970ea6aa296f9569b09;Sampled=-Type":"application/json"}
```

### Logs

```
Execution log for request a445d8de-5842-45e2-9308-9c4f195f8413
Sat Oct 16 00:07:55 UTC 2021 : Starting execution for request: a445d8de-5842-45e2-9308-9c4f195f8413
Sat Oct 16 00:07:55 UTC 2021 : HTTP Method: POST, Resource Path: /writeDyanmodbpal
Sat Oct 16 00:07:55 UTC 2021 : Method request path: {}
Sat Oct 16 00:07:55 UTC 2021 : Method request query string: {}
Sat Oct 16 00:07:55 UTC 2021 : Method request headers: {}
Sat Oct 16 00:07:55 UTC 2021 : Method request body before transformations: {
  "id": "TestrunAPI",
  "covid": "5",
  "email": "NP30@gmail.com",
  "att": "5",
  "userxp": "4",
  "sugg": "suggestion3"
}
Sat Oct 16 00:07:55 UTC 2021 : Endpoint request URI: https://lambda.ap-southeast-1.amazonaws.com/2015-0
ons/arn:aws:lambda:ap-southeast-1:440802768035:function:writeDyanmodbpal/invocations
Sat Oct 16 00:07:55 UTC 2021 : Endpoint request headers: {X-Amz-Date=20211016T000755Z, x-amzn-apigatewa
5gx7bo2d, Accept=application/json, User-Agent=AmazonAPIGateway_3o5gx7bo2d, Host=lambda.ap-southeast-1.a
m, X-Amz-Content-Sha256=034093641f9cc9c79fcb9bfe551438594c22890a6b1e08042c2724a248d9adc8, X-Amzn-Trace-
```

Run

Reset

Completed Read capacity units consumed: 0.5

Items returned (3)

Find items

	Feedbac...	CovidMa...	emailid	StaffAtti...	Suggestion	UserExp
	TestrunAPI	5	NP30@gm...	5	suggestion3	4

## Test the Complete project

+

https://paltest001.auth.ap-southeast-1.amazonaws.com/login?client\_id=emcb41pdfhcne7pacncrjf2t&response\_type=token&scope=aws.cognito.signin.user.admin+email+openid+phone+profile&redirect\_uri=https://d3kb

Sign in with your username and password

Username

palaani

Password

.....

[Forgot your password?](#)

Sign in

Need an account? [Sign up](#)

# Test the Complete project

## Architecting a website using the Serverless Technology

### FEEDBACK FORM

Dear Customer,

Thank you for buying our Newbook - ServerlessServer from our Stores.We would like to know how we performed. Please spare some moments to give us your valuable feedback as it will help us in improving our service.

Please rate your service experience for the following parameters

Please enter your email id

1. Your overall experience with us ?

2. Friendliness and courtesy shown to you while buying the book

3. How well the store managed according to the covid norms

4. Any Other suggestions:

Submit

```
> aws > JS Feedformhandler.js > ready() callback > click() callback > data
1 $(document).ready(function()
2 {
3     // Handle form submission.
4     $("#submit").click(function(e)
5     {
6
7         //Get the access token from the url.
8         var access_token = new URLSearchParams(window.location.hash).get('access_token');
9
10        //to create uniqueID
11        var d = new Date();
12        var n = d.getTime();
13
14        //Getting the data from the form
15        var email = $("#email").val(),
16            userxp = $("#userxp").val(),
17            att = $("#att").val(),
18            covid = $("#covid").val(),
19            sugg = $("#sugg").val(),
20            feedid = email + n;
21
22        //forming json data
23        var data = JSON.stringify({
24            'id':feedid,
25            'covid':covid,
26            'email':email,
27            'att':att,
28            'userxp':userxp,
29            'sugg':sugg
30        });
31
32        //accessing API gateway to write DynamoDB
33        $.ajax({
34            type: 'POST',
35            url: 'https://3o5gx7bo2d.execute-api.ap-southeast-1.amazonaws.com/default/writeDyanmodbpal',
36            contentType: 'application/json',
37            headers: {"Authorization": access_token},
38            data: data,
39
40            success: function(res) {
41                location.replace("https://d3kb6zvtf87wkb.cloudfront.net/FeedbackForm/sucess.html")
42            },
43            error: function(jqxhr, status, exception) {
44                location.replace("https://d3kb6zvtf87wkb.cloudfront.net/FeedbackForm/Fail.html")
45            }
46        });
47    });
48 });
```

## Test the Complete project

ps://d3kb6zvtf87wkb.cloudfront.net/FeedbackForm/Feedback.html#id\_token=eyJraWQiOiJ0c2Y2pKb1JzZWE5Zzd5b1JBbTRzUFFyV3Fud1ZGeDRBQjRCNnZjWXICND0iLCJhbGciOiJSUzI1NiJ9.eyJhdF9oYXNk

### Architecting a website using the Serverless Technology

#### FEEDBACK FORM

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Please rate your service experience for the following parameters

Please enter your email id

Proje@gmail.com

1. Your overall experience with us ?

3 ▾

2. Friendliness and courtesy shown to you while buying the book

3 ▾

3. How well the store managed according to the covid norms

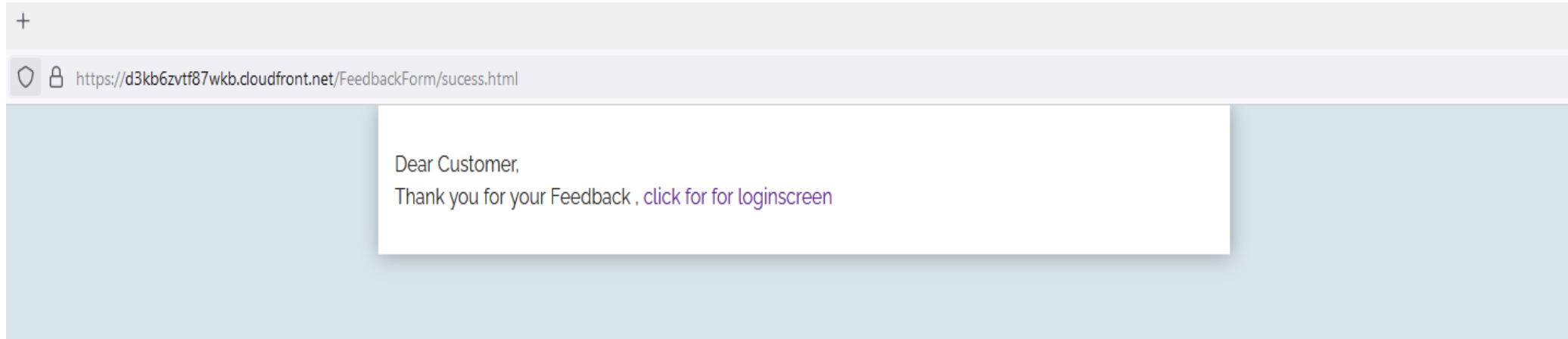
5 ▾

4. Any Other suggestions:

Test completed

Submit

## Test the Complete project



Run Reset

✓ Completed Read capacity units consumed: 0.5

**Items returned (4)** Actions ▼ Create item

<input type="checkbox"/>	FeedbackID ▼	CovidMa... ▼	emailId ▼	StaffAtti... ▼	Suggestion ▼	UserExp ▼
<input type="checkbox"/>	TestrunAPI	5	NP30@gmail.com	5	suggestion3	4
<input type="checkbox"/>	Testrun20	5	NP30@gmail.com	5	suggestion3	4
<input type="checkbox"/>	Proje@gmail.com1634343954682	5	Proje@gmail.com	3	Test compl...	3
<input type="checkbox"/>	pal@gmail.com1634330824059	4	pal@gmail.com	1	test	3



THANK YOU