

AWS

# Deploy Static Website

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Ratchada Jududom

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## Create S3 bucket

1. Create a new bucket namely “ratchadj-cloud-developer” and upload file into this bucket.

Amazon S3 > ratchadj-cloud-developer

Overview Properties Permissions Public Management

Q Type a prefix and press Enter to search. Press ESC to clear.

Upload + Create folder Download Actions

Asia Pacific (Singapore)

Name	Last modified	Size	Storage class
css	--	--	--
img	--	--	--
vendor	--	--	--
README.txt	Jul 31, 2019 10:28:43 AM GMT+0700	382.0 B	Standard
index.html	Jul 31, 2019 10:28:43 AM GMT+0700	6.1 KB	Standard

Viewing 1 to 5

2. Enable static website hosting properties

Amazon S3 > ratchadj-cloud-developer

Overview Properties Permissions Public Management

### Versioning

Keep multiple versions of an object in the same bucket.

[Learn more](#)

Disabled

### Server access logging

Set up access log records that provide details about access requests.

[Learn more](#)

Disabled

### Static website hosting

Host a static website, which does not require server-side technologies.

[Learn more](#)

☒ Bucket hosting

### Object-level logging

Record object-level API activity using the CloudTrail data events feature (additional cost).

[Learn more](#)

Disabled

### Default encryption

Automatically encrypt objects when stored in Amazon S3

[Learn more](#)

Disabled

3. Configure bitbucket permission to be “public”. In this case we deploy static website, we need to allow all access file in bucket.

The screenshot shows the Amazon S3 console interface for the bucket 'ratchadj-cloud-developer'. The 'Permissions' tab is selected, and the 'Bucket Policy' button is highlighted. Below the tabs, there are buttons for 'Block public access', 'Access Control List', 'Bucket Policy', and 'CORS configuration'. The 'Bucket Policy editor' section shows the ARN 'arn:aws:s3::ratchadj-cloud-developer' and a text area with a JSON policy. The policy is as follows:

```
1 {
2   "Version": "2012-10-17",
3   "Statement": [
4     {
5       "Sid": "AddPerm",
6       "Effect": "Allow",
7       "Principal": "*",
8       "Action": "s3:GetObject",
9       "Resource": "arn:aws:s3::ratchadj-cloud-developer/*"
10    }
11  ]
12 }
```

At the bottom, there are links for 'Documentation' and 'Policy generator'.

4. Testing by accessing index.html, click Object URL section.

The screenshot shows the Amazon S3 console interface for the object 'index.html' in the bucket 'ratchadj-cloud-developer'. The 'Object URL' section is expanded, showing the following details:

- Owner:** ratchadj.cloud.developer
- Last modified:** Jul 31, 2019 10:28:43 AM GMT+0700
- Etag:** 4c5284618c882269e5d55d51933f8fba
- Storage class:** Standard
- Server-side encryption:** None
- Size:** 6.1 KB
- Key:** index.html
- Object URL:** <https://ratchadj-cloud-developer.s3-ap-southeast-1.amazonaws.com/index.html>

# Cloudfront

Create a cloudfront service and apply this cloudfront with S3.

CloudFront

Distributions

What's new

▼ Reports & analytics

Cache statistics

Monitoring

Alarms

Popular objects

Top referrers

Usage

Viewers

▼ Security

Origin access identity

Public key

Field-level encryption

CloudFront Distributions > E2THL3237FWT8F

General

Origins and Origin Groups

Behaviors

Error Pages

Restrictions

Invalidations

Tags

Origins

Create Origin

Edit

Delete

Origin Domain Name and Path	Origin ID	Origin Type	Origin Access Identity	Origin Protocol Policy	HT
<input type="checkbox"/> ratchadj-cloud-developer.s3.amazonaws.com	S3-ratchadj-cloud-developer	S3 Origin	-	-	-

Origin Groups

Create an origin group to provide rerouting during a failover event. You can associate an origin group with a cache behavior to have requests routed from a primary origin to a secondary origin for failover. You must have two origins for your distribution before you can create an origin group. Please note that with an origin group, you can only use GET, HEAD, and OPTIONS HTTP methods in your cache behavior. [Learn more](#)

Create Origin Group

Edit

Delete

Origin Group ID	Origins	Failover criter
You don't have any origin groups. To create one, choose Create Origin Grou		

Just checking page load after apply cloudfront service.