

Deploy Static Website on AWS

The following images are stored in the `assets` folder.

Please note, I didn't use the provided student-ready starter code. Instead, I've uploaded my own content.

Create S3 Bucket

Create bucket

1

Name and region

2

Configure options

3

Set permissions

4

Review

Name and region

Bucket name ⓘ

madooei-cloudnd-project1

Region

Canada (Central) ▾

Copy settings from an existing bucket

You have no buckets0 Buckets ▾

Create

Cancel

Next

Create bucket

✓

Name and region

✓

Configure options

3

Set permissions

4

Review

Note: You can grant access to specific users after you create the bucket.

Block public access (bucket settings)

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, or both. In order to ensure that public access to all your S3 buckets and objects is blocked, turn on Block *all* public access. These settings apply only to this bucket. AWS recommends that you turn on Block *all* public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to your buckets or objects within, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#)

☐

Block *all* public access

Turning this setting on is the same as turning on all four settings below. Each of the following settings are independent of one another.

☐

Block public access to buckets and objects granted through *new* access control lists (ACLs)

S3 will block public access permissions applied to newly added buckets or objects, and prevent the creation of new public access ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 resources using ACLs.

☐

Block public access to buckets and objects granted through *any* access control lists (ACLs)

S3 will ignore all ACLs that grant public access to buckets and objects.

☐

Block public access to buckets and objects granted through *new* public bucket policies

S3 will block new bucket policies that grant public access to buckets and objects. This setting doesn't change any existing policies that allow public access to S3 resources.

☐

Block public and cross-account access to buckets and objects through *any* public bucket policies

Previous

Next

Upload files to S3 Bucket

1

Select files

2

Set permissions

3

Set properties

4

Review

6 Files

Size: 157.6 KB

Target path: madooei-cloudnd-project1

To upload a file larger than 80 GB, use the AWS CLI, AWS SDK, or Amazon S3 REST API. [Learn more](#)

+ Add more files

css

2 Objects - 1.8 KB

x

img

1 Objects - 139.2 KB

x

js

2 Objects - 2.9 KB

x

index.html

- 13.7 KB

x

Upload

Next

Secure Bucket via IAM

| | | |
|------------|------------|-----------------------|
| Overview | Properties | Permissions Public |
| Management | | |

Block public access

Access Control List

Bucket Policy

Public

CORS configuration



This bucket has public access

You have provided public access to this bucket. We highly recommend that you never grant any kind of public access to your S3 bucket.

Bucket policy editor ARN: arn:aws:s3:::madooei-cloudnd-project1

Type to add a new policy or edit an existing policy in the text area below.

Delete

Cancel

Save

```

1  {
2    "Version": "2012-10-17",
3    "Statement": [
4      {
5        "Sid": "AddPerm",
6        "Effect": "Allow",
7        "Principal": "*",
8        "Action": [
9          "s3:GetObject"
10       ],
11       "Resource": [
12         "arn:aws:s3:::madooei-cloudnd-project1/*"
13       ]
14     }
15   ]
16 }
```

Configure S3 Bucket

Static website hosting

Endpoint : <http://madooei-cloudnd-project1.s3-website.ca-central-1.amazonaws.com>

☒ Use this bucket to host a website [Learn more](#)

Index document [i](#)

index.html

Error document [i](#)

index.html

Redirection rules (optional) [i](#)

☐ Redirect requests [i](#) [Learn more](#)

☐ Disable website hosting

Cancel

Save

Distribute Website via CloudFront

Create Distribution



Origin Settings

Origin Domain Name

Origin Path

Origin ID

Restrict Bucket Access ☐ Yes
☒ No

Origin Custom Headers

| Header Name |
|----------------------|
| <input type="text"/> |

Default Cache Behavior Settings

| Path Pattern | Default (*) |
|---|--|
| Viewer Protocol Policy | <input checked="" type="radio"/> HTTP and HTTPS <input type="radio"/> Redirect HTTP to HTTPS <input type="radio"/> HTTPS Only |
| Allowed HTTP Methods | <input checked="" type="radio"/> GET, HEAD <input type="radio"/> GET, HEAD, OPTIONS <input type="radio"/> GET, HEAD, OPTIONS, PUT, POST, PATCH |
| Field-level Encryption Config | <input type="text"/> |
| Cached HTTP Methods | GET, HEAD (Cached by default) |
| Cache Based on Selected Request Headers | <input type="text" value="None (Improves Caching)"/> |

[Learn More](#)

The website is accessible through

- <https://d1jmktkm0kw4x0.cloudfront.net/index.html> or,
- <http://madooei-cloudnd-project1.s3.ca-central-1.amazonaws.com/index.html>