

AWS Cloud Practical

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1. Static Website Hosting in S3

- Create two files locally
 - i. index.html – the main page
 - ii. error.html – page shown for 404 or errors
- Upload these two files in the S3 bucket.

The screenshot shows the 'Upload: status' page in the Amazon S3 console. At the top, there is a summary box with the following information:

Destination	Succeeded	Failed
s3://s3-web-host-bucket	✓ 2 files, 69.0 B (100.00%)	✗ 0 files, 0 B (0%)

Below the summary, there are two tabs: 'Files and folders' (selected) and 'Configuration'. The 'Files and folders' tab displays a table of uploaded files:

Name	Folder	Type	Size	Status	Error
error.html ↗	-	text/html	30.0 B	✓ Succeeded	-
index.html ↗	-	text/html	39.0 B	✓ Succeeded	-

- Enable the Static website hosting option in Properties and enter the index document and Error documents name

≡ [Amazon S3](#) > [Buckets](#) > [s3-web-host-bucket](#) > 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 ↗](#)

i 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.

index.html

Error document - optional

This is returned when an error occurs.

error.html

- Add this policy in the bucket policy to allow read access for everyone

≡ [Amazon S3](#) > [Buckets](#) > [s3-web-host-bucket](#) > Edit bucket policy



Edit bucket policy [Info](#)

Bucket policy

[Policy examples ↗](#)

The bucket policy, written in JSON, provides access to the objects stored in the bucket. Bucket policies don't apply to objects owned by other accounts. [Learn more ↗](#)

Bucket ARN

arn:aws:s3:::s3-web-host-bucket

Policy

```

1  {
2      "Version": "2012-10-17",
3      "Statement": [
4          {
5              "Sid": "PublicReadGetObject",
6              "Effect": "Allow",
7              "Principal": "*",
8              "Action": "s3:GetObject",
9              "Resource": "arn:aws:s3:::s3-web-host-bucket/*"
10         }
11     ]
12 }
13

```

[Edit statement](#)

[Select a statement](#)

Select an existing statement in the policy or add a new statement.

[+ Add new statement](#)

- Copy the Endpoint URL from Static website hosting and open in the browser we will see our index.html page

Static website hosting

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

We recommend using AWS Amplify Hosting for static website hosting
Deploy a fast, secure, and reliable website quickly with AWS Amplify Hosting. Learn more about [Amplify Hosting](#) or [View your existing Amplify apps](#)

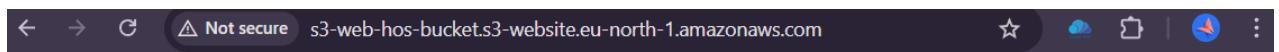
S3 static website hosting
Enabled

Hosting type
Bucket hosting

Bucket website endpoint
When you configure your bucket as a static website, the website is available at the AWS Region-specific website endpoint of the bucket. [Learn more](#)
<http://s3-web-host-bucket.s3-website.eu-north-1.amazonaws.com>



Welcome to My Static Website



404 Not Found

- Code: NoSuchBucket
- Message: The specified bucket does not exist
- BucketName: s3-web-hos-bucket
- RequestId: 54QHXS8SNZ1SV4BS
- HostId: TD4d7leyPnsomeJyL8bfOciY4dkD9SdQi3e+dpMkbU5ZZWZC6/8wKurkDl17TN+6r42PVxjjpGM=

- **S3 Static website hosting** allows a bucket to serve HTML content directly via a website endpoint. Files like index.html and error.html were uploaded, public read access was enabled, and the website endpoint was used to verify proper access.