

Assignment – 6

Problem Statement: -

Upload a static website on S3.

Steps for uploading a static website on S3: -

1. Open the **Amazon Web Services** (<https://aws.amazon.com/console/>) home page.
2. Log in your **AWS Management Console** account.
3. Go **Services** and click on **Storage**.
4. Next go to **S3** (*Scalable Storage in the Cloud*).
5. Create public bucket.
6. Upload webpages (E.g. - .HTML file) in public bucket.
7. After that, go bucket **Properties** and edit **Static website hosting** (*by default disabled*). **Enable Static website hosting** and specify the home or default page of the website. Continue with save changes.
8. Now give permission to webpages (*Make public using ACL*).
9. Copy index.html object URL.
10. Paste it on web browser and web browser open your website.

Some snapshots of above process: -

The screenshot shows the AWS S3 Buckets console. At the top, there's a header 'Buckets (1) Info' with a subtext 'Buckets are containers for data stored in S3. Learn more'. To the right are buttons: 'Refresh', 'Copy ARN', 'Empty', 'Delete', and 'Create bucket'. Below this is a search bar 'Find buckets by name' and navigation controls '< 1 >'. A table lists the bucket:

	Name	AWS Region	Access	Creation date
<input type="radio"/>	ab17staticwebsite	Asia Pacific (Mumbai) ap-south-1	Objects can be public	March 21, 2023, 21:05:59 (UTC+05:30)

Step 1: Create public bucket

The screenshot shows the 'Files and folders' section of the AWS S3 console. It indicates '2 Total, 421.0 B'. There's a search bar 'Find by name' and navigation controls '< 1 >'. A table lists the uploaded files:

Name	Folder	Type	Size	Status	Error
index.html	-	text/html	259.0 B	⊙ Succeeded	-
next.html	-	text/html	162.0 B	⊙ Succeeded	-

Step 2: Upload webpages

The screenshot shows the 'Static website hosting' settings for the bucket 'ab17staticwebsite'. The breadcrumb is 'Amazon S3 > Buckets > ab17staticwebsite'. The bucket name 'ab17staticwebsite' is followed by 'Info'. Below are tabs: 'Objects', 'Properties', 'Permissions', 'Metrics', 'Management', and 'Access Points'. The 'Static website hosting' section has a subtext 'Use this bucket to host a website or redirect requests. Learn more' and an 'Edit' button. The current status is 'Static website hosting Disabled'.

Step 3: Edit Static website hosting

ab17staticwebsite - S3 bucket

s3.console.aws.amazon.com/s3/bucket/ab17staticwebsite/property/website/edit?region=ap-south-1

Services Search [Alt+S]

Amazon S3 > Buckets > ab17staticwebsite > **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.

index.html

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

error.html

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

[Cancel](#) [Save changes](#)

Step 4: Enable and Specify default page

Static website hosting

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

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://ab17staticwebsite.s3-website.ap-south-1.amazonaws.com>

Step 5: Hosting enabled

Amazon S3 > Buckets > ab17staticwebsite > **Make public**

Make public Info

The make public action enables public read access in the object access control list (ACL) settings. [Learn more](#)

⚠ When public read access is enabled and not blocked by Block Public Access settings, anyone in the world can access the specified objects.

Specified objects

Find objects by name

Name	Type	Last modified	Size
index.html	html	March 21, 2023, 21:11:17 (UTC+05:30)	259.0 B
next.html	html	March 21, 2023, 21:11:18 (UTC+05:30)	162.0 B

[Cancel](#) [Make public](#)

Step 6: make public webpages

ab17staticwebsite - S3 bucket

s3.console.aws.amazon.com/s3/object/ab17staticwebsite?region=ap-south-1&prefix=index.html

Amazon S3 > Buckets > ab17staticwebsite > index.html

index.html Info

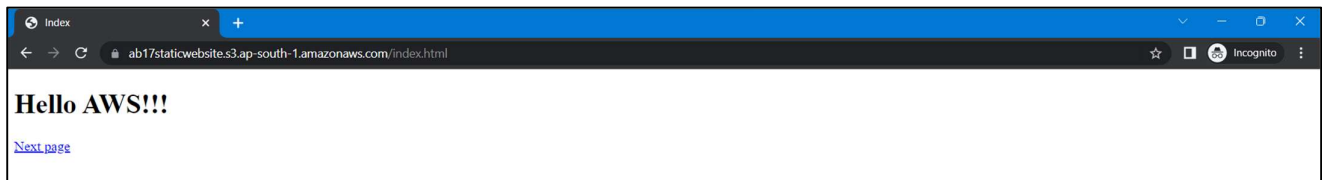
Copy S3 URI Download Open Object actions

Properties Permissions Versions

Object overview

Owner 45136996649c7101dd5206e5b54e514ef82fd5cec4ac8e8668d2ca5613fd173f	S3 URI s3://ab17staticwebsite/index.html
AWS Region Asia Pacific (Mumbai) ap-south-1	Amazon Resource Name (ARN) arn:aws:s3::ab17staticwebsite/index.html
Last modified March 21, 2023, 21:11:17 (UTC+05:30)	Entity tag (Etag) 8adc4c3cd4513f66513e1c4be12d79be
Size 259.0 B	Object URL Copied https://ab17staticwebsite.s3.ap-south-1.amazonaws.com/index.html
Type html	
Key index.html	

Step 7: Copy object URL



Hosting Index.HTML



Hosting Next.HTML