

Assignment : 6

Upload a static website on S3.

Step 1: Make two static HTML pages with first page containing Title and paragraph and other page containing link to page1 and Google or any other site.

Page:

```
Next.html - Notepad
File Edit Format View Help
<!DOCTYPE html>
<html>
<head>
<title>Next-Page</title>
</head>
<body>
<h1>This is Next</h1>
<p>This is a Next-Page</p>
</body>
</html>
```

Index:

```
index.html - Notepad
File Edit Format View Help
<!DOCTYPE html>
<html>
<head>
<title>Page Title</title>
</head>
<body>
<h1>This is a heading</h1>
<p>This is a paragraph</p>
<a href="https://www.google.co.in/">Google</a>
<a href="Next.html">Next-Page</a>
</body>
</html>
```

Step 2: Create a Public bucket (similar to which we've done in the previous assignment).

The screenshot shows the 'Create bucket' page in the AWS Management Console. The page is for the 'United States (N. Virginia)' region. Under 'General configuration', the 'AWS Region' is set to 'US East (N. Virginia) us-east-1'. The 'Bucket type' is set to 'General purpose'. The 'Bucket name' is 'awsbktstatic'. The 'Copy settings from existing bucket' section is optional. The page includes a 'CloudShell' button and a 'Feedback' link.

Step 3: Open the bucket and click on 'Upload'.

The screenshot shows the 'awsbktstatic' bucket view in the AWS Management Console. The 'Objects' tab is selected. The 'Objects (0)' section shows a table with columns: Name, Type, Last modified, Size, and Storage class. The table is empty, and a message states 'No objects. You don't have any objects in this bucket.' There is an 'Upload' button at the bottom of the table.

Step 4: Click on add files and select both the HTML files.

The screenshot shows the AWS S3 'Upload' page for the bucket 'awsbktstatic'. At the top, there's a header with the AWS logo, a search bar, and navigation links. Below the header, the breadcrumb trail is 'Amazon S3 > Buckets > awsbktstatic > Upload'. The main section is titled 'Upload' and includes a dashed box for dragging files. Below this, there's a 'Files and folders (0)' section with a search bar and a table. The table is currently empty, showing 'No files or folders' and 'You have not chosen any files or folders to upload.' To the right of the table are buttons for 'Remove', 'Add files', and 'Add folder'. Below the table is a 'Destination' section showing the path 's3://awsbktstatic'.

Upload [Info](#)

Add the files and folders you want to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDKs or Amazon S3 REST API. [Learn more](#)

Drag and drop files and folders you want to upload here, or choose [Add files](#) or [Add folder](#).

Files and folders (0) [Remove](#) [Add files](#) [Add folder](#)

All files and folders in this table will be uploaded.

Name	Folder	Type	Size
No files or folders			
You have not chosen any files or folders to upload.			

Destination [Info](#)

Destination
[s3://awsbktstatic](#)

Step 5: After the upload is successful, click on close and go to the S3 bucket.

The screenshot shows the AWS S3 'Upload' page after a successful upload. A green banner at the top says 'Upload succeeded' and 'For more information, see the Files and folders table.' Below this is a 'Summary' section with three columns: 'Destination' (s3://awsbktstatic), 'Succeeded' (2 files, 374.0 B (100.00%)), and 'Failed' (0 files, 0 B (0%)). Below the summary are two tabs: 'Files and folders' and 'Configuration'. The 'Files and folders' tab is active, showing a table with 2 files: 'index.html' and 'Next.html'. Both files are listed as 'Succeeded'.

[Upload succeeded](#)
For more information, see the [Files and folders](#) table.

Summary

Destination s3://awsbktstatic	Succeeded 2 files, 374.0 B (100.00%)	Failed 0 files, 0 B (0%)
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[Files and folders](#) [Configuration](#)

Files and folders (2 total, 374.0 B)

Name	Folder	Type	Size	Status	Error
index.html	-	text/html	231.0 B	Succeeded	-
Next.html	-	text/html	143.0 B	Succeeded	-

Step 6: In the S3 bucket, scroll down to the bottom where you'll find S3 Static Website Hosting, click on Edit.

The screenshot shows the AWS S3 bucket configuration page for 'awsbktstatic'. The breadcrumb trail is 'Amazon S3 > Buckets > awsbktstatic'. The page has several sections: 'Object Lock' (Disabled), 'Requester pays' (Disabled), and 'Static website hosting' (Disabled). The 'Static website hosting' section is highlighted, showing a recommendation to use AWS Amplify Hosting and a 'Create Amplify app' button. Below this is a section for 'S3 static website hosting' (Disabled).

Object Lock
Disabled

Requester pays
When enabled, the requester pays for requests and data transfer costs, and anonymous access to this bucket is disabled. [Learn more](#) [Edit](#)

Static website hosting [Edit](#)
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](#) [Create Amplify app](#)

S3 static website hosting
Disabled

Step 7: 'Enable' the Static website hosting and name the HTML file. Afterwards click on Save changes.

The screenshot shows the 'Edit static website hosting' page in the AWS console. The 'Static website hosting' section has the 'Enable' radio button selected. Under 'Hosting type', 'Host a static website' is selected. A blue information box states: '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.' The 'Index document' field contains 'index.html'.

Step 8: Now go to the index file and click on 'permissions' to edit the ACLs.

The screenshot shows the 'index.html' object page in the AWS console. The 'Permissions' tab is active, displaying the 'Access control list (ACL)'. The table lists three grantees: 'Object owner (your AWS account)' with 'Read' and 'Read, Write' permissions; 'Everyone (public access)' with no permissions; and 'Authenticated users group (anyone with an AWS account)' with no permissions.

Step 9: Check the boxes to make it public. After that click on save changes. And do the same for Next page.

The screenshot shows the 'Edit access control list' page in the AWS console. The 'Access control list (ACL)' table is updated: 'Object owner' has 'Read' and 'Write' permissions checked; 'Everyone (public access)' has 'Read' checked with a warning icon; and 'Authenticated users group' has 'Read' unchecked. A yellow warning box at the bottom states: 'When you grant access to the Everyone or Authenticated users group grantees, anyone in the world can access this object. I understand the effects of these changes on this object.' with a checked checkbox.

aws Search [Alt+S] United States (N. Virginia)

Amazon S3 Buckets awsbtstatic Next.html Edit access control list

Edit access control list Info

Access control list (ACL)
Grant basic read/write permissions to AWS accounts. [Learn more](#)

Grantee	Objects	Object ACL
Object owner (your AWS account) Canonical ID: e17798eb031ae7a306fcd339cd8041e5653ff11 42ecf756fd907ed1b82200cd	<input checked="" type="checkbox"/> Read	<input checked="" type="checkbox"/> Read <input checked="" type="checkbox"/> Write
Everyone (public access) Group: http://acs.amazonaws.com/groups/global/AllUsers	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Read	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Read <input type="checkbox"/> Write
Authenticated users group (anyone with an AWS account) Group: http://acs.amazonaws.com/groups/global/AuthenticatedUsers	<input type="checkbox"/> Read	<input type="checkbox"/> Read <input type="checkbox"/> Write

When you grant access to the Everyone or Authenticated users group grantees, anyone in the world can access this object. [Learn more](#)

☒ I understand the effects of these changes on this object.

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Step 10: Now navigate back to the bucket and copy the selected HTML page URL.

aws Search [Alt+S] United States (N. Virginia)

Amazon S3 Buckets awsbtstatic

awsbtstatic Info

Objects Metadata Properties Permissions Management Access Points

Object URL Copied

Objects (1/2) [Copy S3 URI](#) [Copy URL](#) [Download](#) [Open](#) [Delete](#) [Actions](#) [Create folder](#) [Upload](#)

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](#)

Find objects by prefix

	Name	Type	Last modified	Size	Storage class
<input checked="" type="checkbox"/>	index.html	html	February 24, 2025, 22:02:11 (UTC+05:30)	231.0 B	Standard
<input type="checkbox"/>	Next.html	html	February 24, 2025, 22:02:12 (UTC+05:30)	143.0 B	Standard

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Step 11: Open the incognito window and paste the copied URL.

New Incognito Tab

https://awsbktstatics3.us-east-1.amazonaws.com/index.html

Incognito

https://awsbktstatics3.us-east-1.amazonaws.com/index.html

https://awsbktstatics3.us-east-1.amazonaws.com/index.html - Google Search

You've gone Incognito

Others who use this device won't see your activity, so you can browse more privately. This won't change how data is collected by websites you visit and the services they use, including Google. Downloads, bookmarks and reading list items will be saved. [Learn more](#)

Chrome won't save:

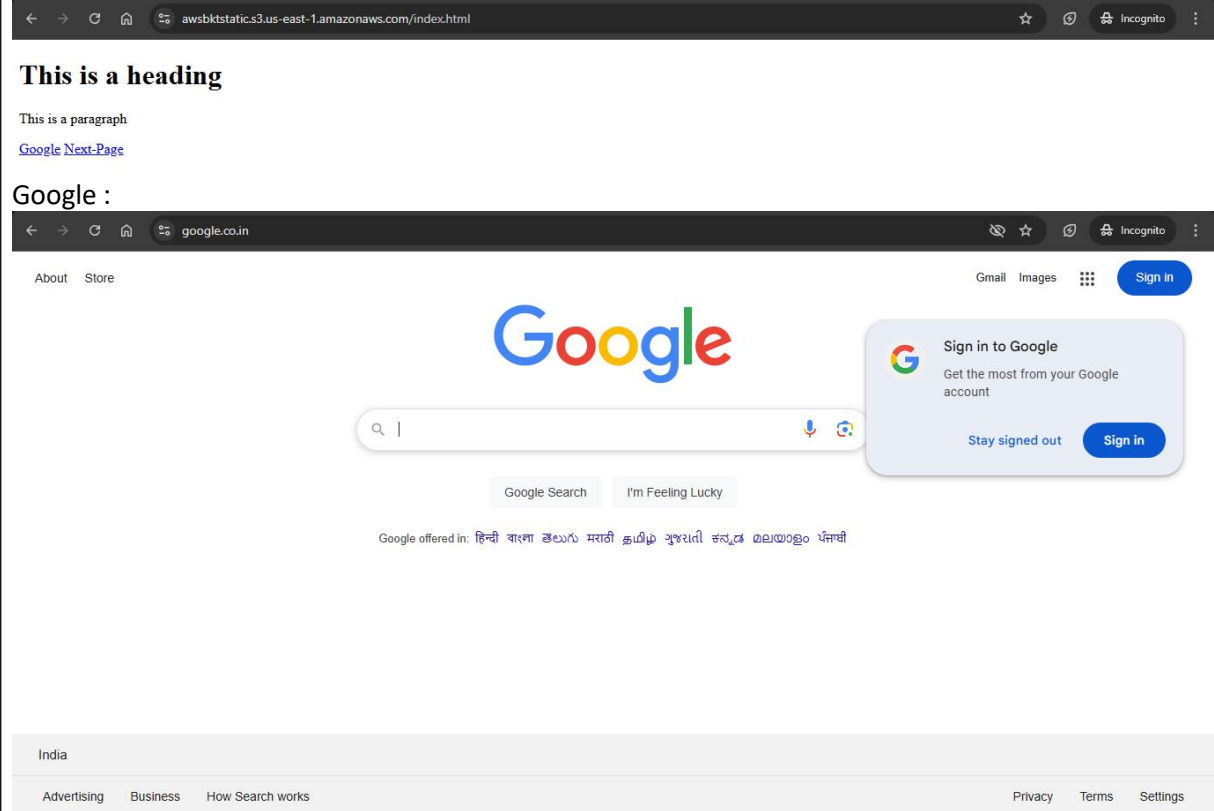
- Your browsing history
- Cookies and site data
- Information entered in forms

Your activity might still be visible to:

- Websites you visit
- Your employer or school
- Your internet service provider

Block third-party cookies
When on, sites can't use cookies that track you across the web. Features on some sites may break. ☒

Step 12: The webpage should open as follows.



Next-Page:



So, we've successfully uploaded a static website on S3 and executed it.