

Assignment No: 6

Problem Statement: Upload a static website on S3.

Solution:

1.Go to S3 and click on create bucket option.

2.Put a name to the bucket and click on ACLs enabled option.

The screenshot shows the AWS S3 'Create bucket' console. The 'General configuration' section includes the AWS Region (Asia Pacific (Mumbai) ap-south-1), Bucket type (General purpose selected), Bucket name (archak890bucket), and Copy settings from existing bucket - optional (Choose bucket). The 'Object Ownership' section shows ACLs enabled selected, with a warning that recommends disabling ACLs unless needed for control access.

3. Then uncheck the block all public access checkbox and click on create bucket.

The screenshot shows the 'Block Public Access settings for this bucket' section. It includes a warning about enforcing object ownership and a list of checkboxes for blocking public access. The 'Block all public access' checkbox is unchecked. Below the checkboxes is a warning about turning off block all public access and a checkbox for acknowledging the settings. The 'Bucket Versioning' section at the bottom shows 'Disable' selected.

Tags - optional (0)

You can use bucket tags to track storage costs and organize buckets. [Learn more](#)

No tags associated with this bucket.

[Add tag](#)

Default encryption [Info](#)

Server-side encryption is automatically applied to new objects stored in this bucket.

Encryption type [Info](#)

☒ Server-side encryption with Amazon S3 managed keys (SSE-S3)

☐ Server-side encryption with AWS Key Management Service keys (SSE-KMS)

☐ Dual-layer server-side encryption with AWS Key Management Service keys (DSSE-KMS)

Secure your objects with two separate layers of encryption. For details on pricing, see [DSSE-KMS pricing](#) on the Storage tab of the [Amazon S3 pricing page](#).

Bucket Key

Using an S3 Bucket Key for SSE-KMS reduces encryption costs by lowering calls to AWS KMS. S3 Bucket Keys aren't supported for DSSE-KMS. [Learn more](#)

☐ Disable

☒ Enable

► **Advanced settings**

① After creating the bucket, you can upload files and folders to the bucket, and configure additional bucket settings.

[Cancel](#) [Create bucket](#)

4.Hence a public bucket is created.

5.Then go to the permission section of the created bucket and edit the Access Control List to provide access to everyone.

Edit access control list (ACL) [Info](#)

Grant basic read/write permissions to other AWS accounts. [Learn more](#)

Grantee	Objects	Bucket ACL
Bucket owner (your AWS account) Canonical ID: 694778dc35c5ea771816c1288fd5b78e977fe144644ed505a60 d034c1e75515	<input checked="" type="checkbox"/> List <input checked="" type="checkbox"/> Write	<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"/> List <input type="checkbox"/> Write	<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"/> List <input type="checkbox"/> Write	<input type="checkbox"/> Read <input type="checkbox"/> Write
S3 log delivery group Group: http://acs.amazonaws.com/groups/S3/LogDelivery	<input type="checkbox"/> List <input type="checkbox"/> Write	<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 the objects in this bucket. [Learn more](#)

☒ I understand the effects of these changes on my objects and buckets.

Access for other AWS accounts

No other AWS accounts associated with the resource.

[Add grantee](#)

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

Successfully edited access control list.

archak890bucket [Info](#)

Objects | Properties | **Permissions** | Metrics | Management | Access Points

Permissions overview

Access finding

Access findings are provided by IAM external access analyzers. Learn more about [How IAM analyzes findings work](#).

[View analyzer for ap-south-1](#)

6.Now click on upload option in the bucket.

7.Add the files(.html files) into the bucket.

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 (2 total, 266.0 B) Remove Add files Add folder

All files and folders in this table will be uploaded.

<input checked="" type="checkbox"/>	Name	Folder	Type	Size
<input checked="" type="checkbox"/>	home.html	-	text/html	156.0 B
<input checked="" type="checkbox"/>	index.html	-	text/html	110.0 B

Destination [info](#)

Destination
s3://archak890bucket

Destination details
Bucket settings that impact new objects stored in the specified destination.

Permissions
Grant public access and access to other AWS accounts.

Properties
Specify storage class, encryption settings, tags, and more.

Cancel Upload

Upload succeeded
For more information, see the **Files and folders** table. Close

Upload: status Close

After you navigate away from this page, the following information is no longer available.

Summary

Destination
s3://archak890bucket

Succeeded
2 Files, 266.0 B (100.00%)

Failed
0 Files, 0 B (0%)

Files and folders | **Configuration**

Files and folders (2 total, 266.0 B) Find by name

Name	Folder	Type	Size	Status	Error
home.html	-	text/html	156.0 B	Succeeded	-
index.html	-	text/html	110.0 B	Succeeded	-

8. Now edit the Access Control List for both the uploaded files by providing public access to everyone.

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: 6545796b355a5ea77181dc1288f655078a977f144644a6d925a60db34c1e75515	<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"/> Read	<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.

Access for other AWS accounts
No other AWS accounts associated with the resource.
Add grantee

Specified objects

Name	Type	Last modified	Size
home.html	html	February 16, 2025, 19:34:11 (UTC+05:30)	156.0 B

Cancel Save changes

Amazon S3 > Buckets > archak890bucket > index.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: 6545790c35c3ea77181dc1288f55078e977a144644cd505a60 ab34c1475515	<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"/> Read	<input checked="" type="checkbox"/> Read <input checked="" 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.

Access for other AWS accounts
No other AWS accounts associated with the resource.
[Add grantee](#)

Specified objects

Name	Type	Last modified	Size
index.html	html	February 16, 2025, 19:34:11 (UTC+05:30)	110.0 B

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

9. Now go to the bucket properties and enable static website hosting option thereby provide the name of the index file on the index document block and click on save changes.

Amazon S3 > Buckets > archak890bucket > 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](#)

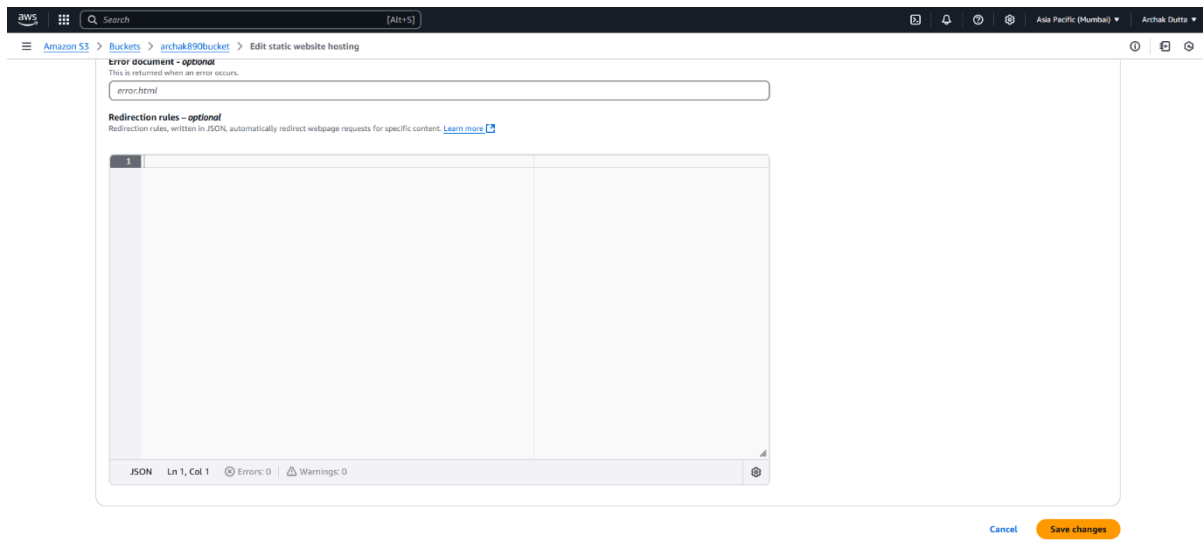
i For your customers to access content at the website endpoint, you must make all your content publicly readable. To do so, you can edit the S3 Block Public Access settings for the bucket. For more information, see [Using Amazon S3 Block Public Access](#)

Index document
Specify the home or default page of the website.

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

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

1



10. So a static website is uploaded on AWS server and the link of the website is created in bucket website endpoint option under the static website hosting.

