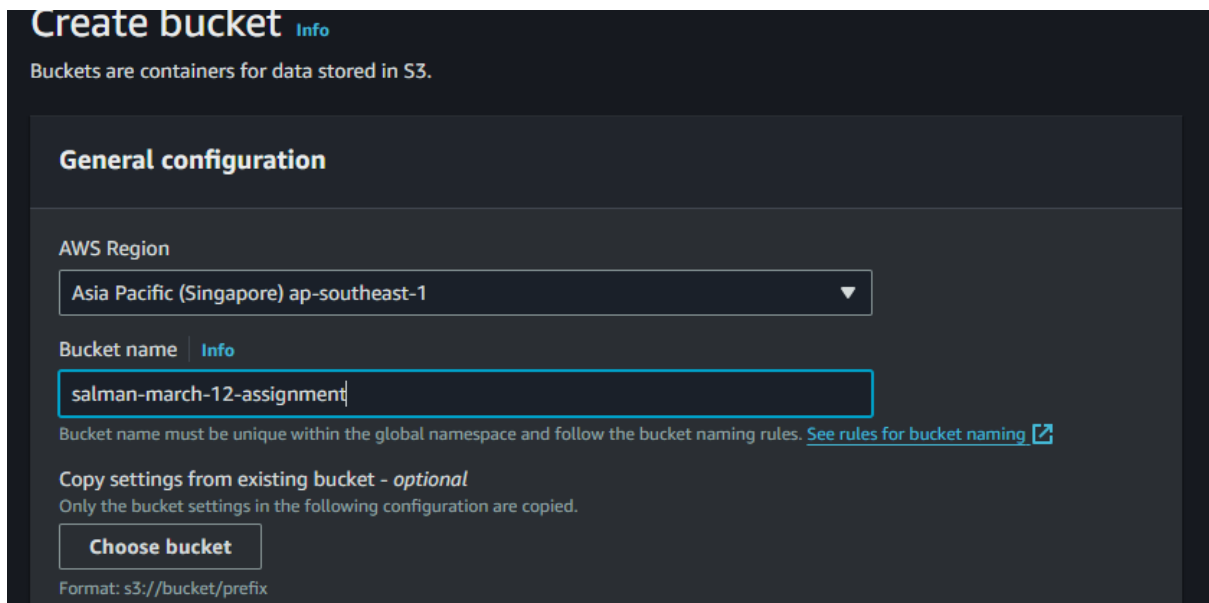# Module 6: S3 Bucket Creation Assignment

Problem Statement:

You work for XYZ Corporation. Their application requires a storage service that can store files and publicly share them if required. Implement S3 for the same.

Tasks To Be Performed:

1. Create an S3 Bucket for file storage.
2. Upload 5 objects with different file extensions.

1. Creating S3 Bucket

Create bucket Info

Buckets are containers for data stored in S3.

General configuration

AWS Region

Asia Pacific (Singapore) ap-southeast-1 ▼

Bucket name Info

salman-march-12-assignment

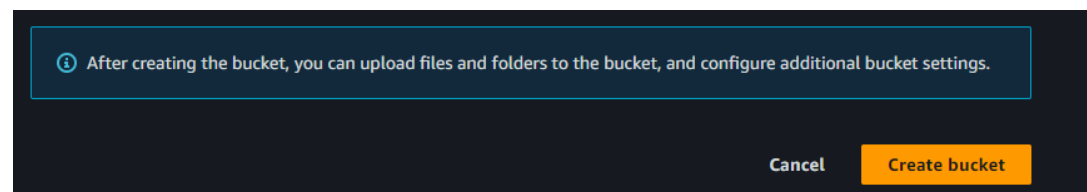Bucket name must be unique within the global namespace and follow the bucket naming rules. See rules for bucket naming ⬈

Copy settings from existing bucket - *optional*
Only the bucket settings in the following configuration are copied.

Choose bucket

Format: s3://bucket/prefix

2. Click Create

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

Cancel   **Create bucket**

3. Created Successfully

3. Click Add Files

Files and folders (5 Total, 6.2 MB)

Name	Folder	Type	Size	Status	Error
253.aac	-	audio/vnd.dlna.adts	625.7 KB	⊘ Succeeded	-
Salman.pem	-	-	1.6 KB	⊘ Succeeded	-
Vpc and Peering Conn...	-	application/vnd.openx...	5.5 MB	⊘ Succeeded	-
12 Mar S3 CLI.txt	-	text/plain	87.0 B	⊘ Succeeded	-
12 Mar S3 CLI.pdf	-	application/pdf	32.1 KB	⊘ Succeeded	-

5.   Now We Can See 5 Different File Extensions and the Assignment Task 1 Finshed

Objects (5) Info

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

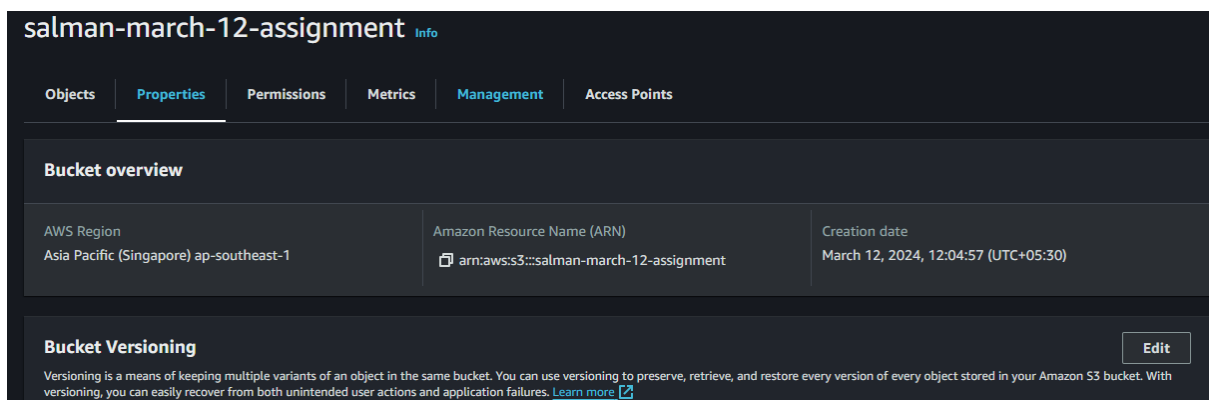| Name	Type	Last modified	Size	Storage class
12 Mar S3 CLI.pdf	pdf	March 12, 2024, 12:10:47 (UTC+05:30)	32.1 KB	Standard
12 Mar S3 CLI.txt	txt	March 12, 2024, 12:10:47 (UTC+05:30)	87.0 B	Standard
253.aac	aac	March 12, 2024, 12:10:44 (UTC+05:30)	625.7 KB	Standard
Salman.pem	pem	March 12, 2024, 12:10:44 (UTC+05:30)	1.6 KB	Standard
Vpc and Peering Connection Assignment.docx	docx	March 12, 2024, 12:10:46 (UTC+05:30)	5.5 MB	Standard

Module 6: S3 Bucket Versioning Assignment

Problem Statement:

You work for XYZ Corporation. Their application requires a storage service that can store files and publicly share them if required. Implement S3 for the same.

Tasks To Be Performed:

1. Enable versioning for the bucket created in task 1.
2. Re-upload any 2 files already uploaded to verify if versioning works.

1. Now Need to Enable Versioning For Bucket (Task-2 Continue) and Go to Properties we find Bucket Versioning and Click Edit

salman-march-12-assignment Info

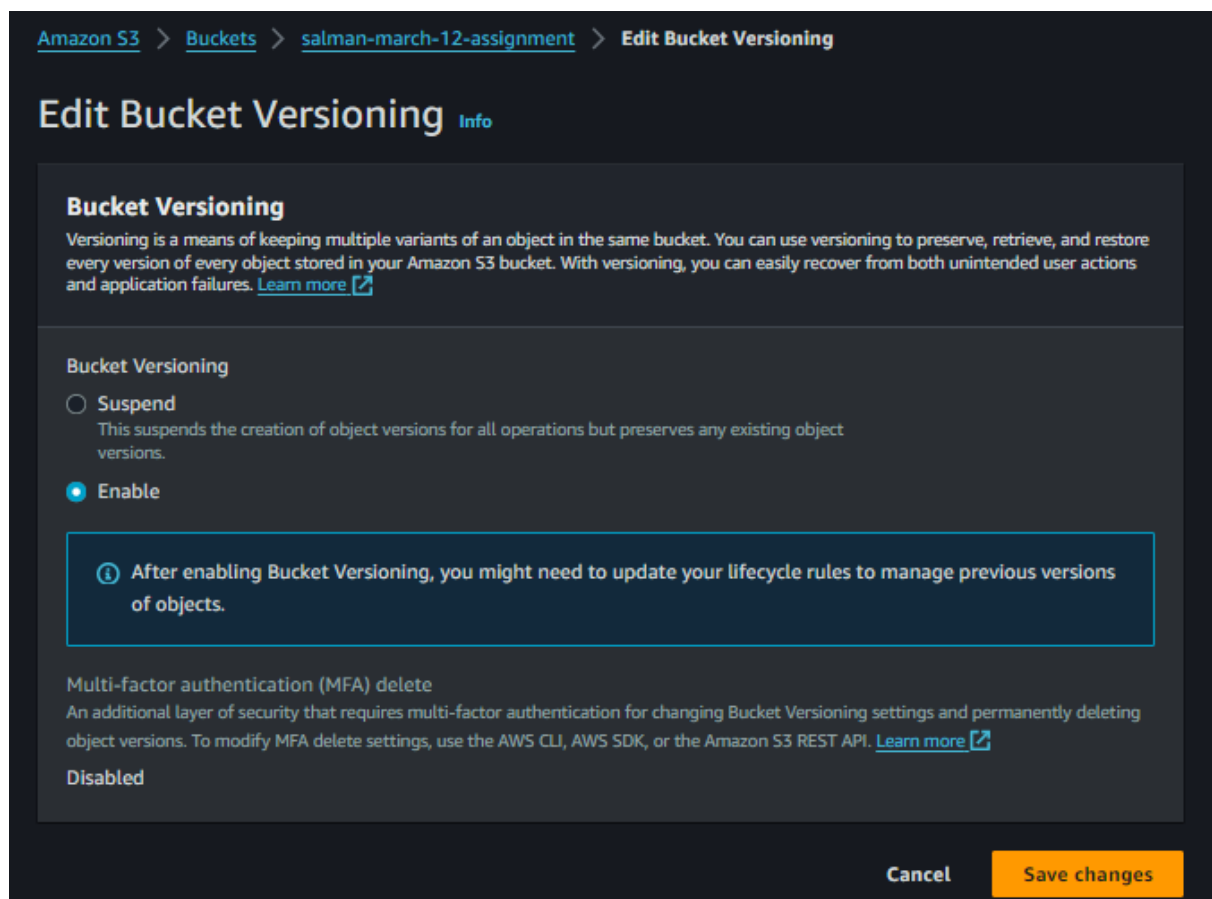| Objects	Properties	Permissions	Metrics	Management	Access Points

Bucket overview

AWS Region	Amazon Resource Name (ARN)	Creation date
Asia Pacific (Singapore) ap-southeast-1	arn:aws:s3:::salman-march-12-assignment	March 12, 2024, 12:04:57 (UTC+05:30)

Bucket Versioning   [Edit]

Versioning is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore every version of every object stored in your Amazon S3 bucket. With versioning, you can easily recover from both unintended user actions and application failures. Learn more

2. Select Suspend to Enable and Click Save Changes

3. After Enable it will Visible Versioning Option and Button and Also we can I Upload Same File its not overwritten Because of Enabled Version so Its New Version for newly added File and old one was null because on that time we are not enable it versioning. So Versioning works Now Assignment Task-2 Completed

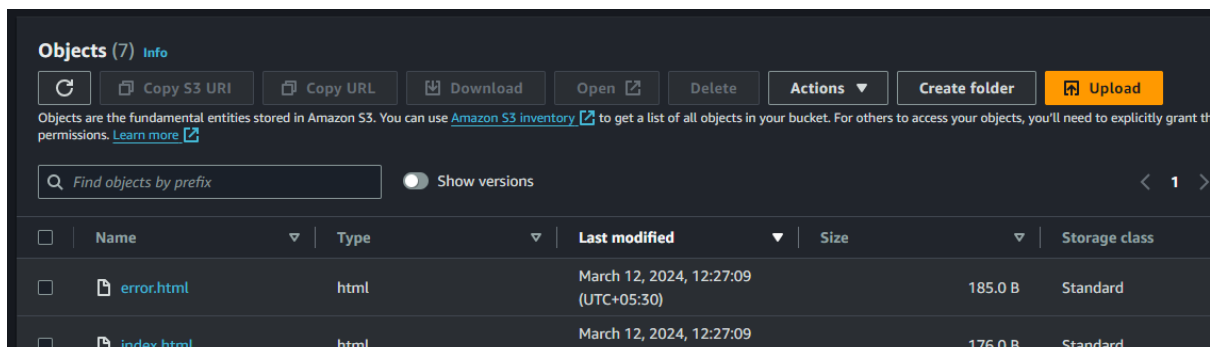# Module 6: S3 Website Hosting Assignment

Problem Statement:

You work for XYZ Corporation. Their application requires a storage service that can store files and publicly share them if required. Implement S3 for the same.

Tasks To Be Performed:

1. Use the created bucket in the previous task to host static websites, upload an index.html file and error.html page.

2. Add a lifecycle rule for the bucket:
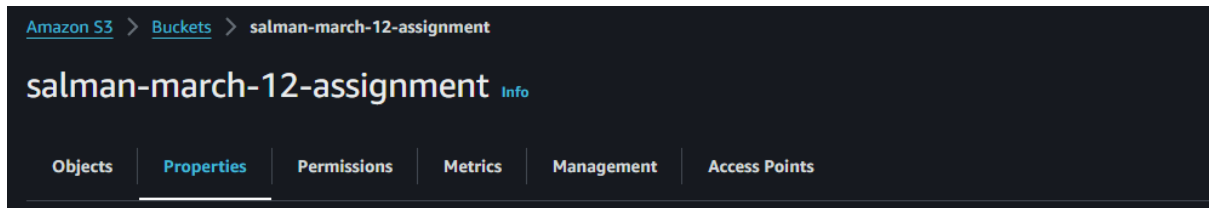   a. Transition from Standard to Standard-IA in 60 days
   b. Expiration in 200 days

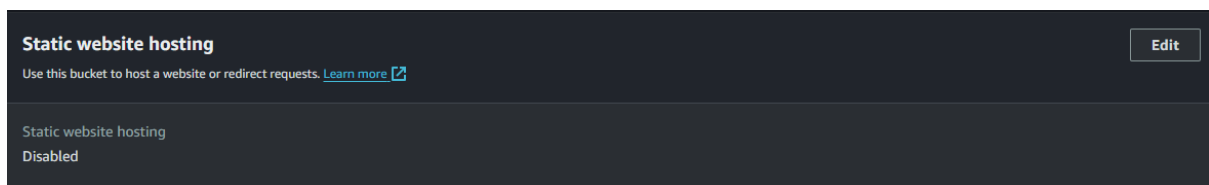1. Uploaded html file which name as index.html and error.html

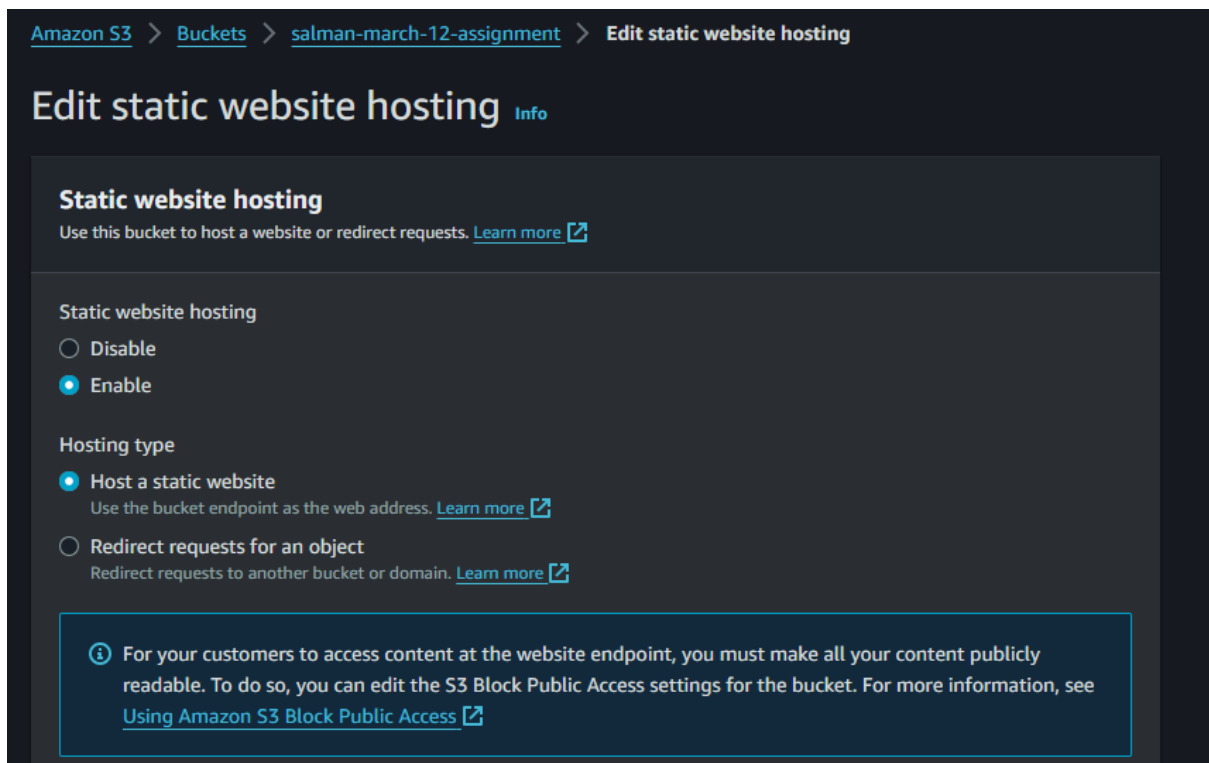|	Name	Type	Last modified	Size	Storage class
☐	error.html	html	March 12, 2024, 12:27:09 (UTC+05:30)	185.0 B	Standard
☐	index.html	html	March 12, 2024, 12:27:09 (UTC+05:30)	176.0 B	Standard

2. Now Go to ==Properties==

Amazon S3 > Buckets > **salman-march-12-assignment**

salman-march-12-assignment Info

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

3. Scroll down in the last we find ==static website hosting and click on edit==

Static website hosting   [Edit]
Use this bucket to host a website or redirect requests. Learn more ↗

Static website hosting
Disabled

4. Its ==Disable so enable it.==

Amazon S3 > Buckets > salman-march-12-assignment > **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 ↗

5. Upload static file which as index.html and upload error file if url is wrong then triggered that error file which I have uploaded

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 ⎘

6. Click Save Changes

Cancel   **Save changes**

7. Now Copy the URL

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://salman-march-12-assignment.s3-website-ap-southeast-1.amazonaws.com ⎘

8. Its showing error Because we are not given public Access

← → C ⚠ Not secure   salman-march-12-assignment.s3-website-ap-southeast-1.amazonaws.com

403 Forbidden

- Code: AccessDenied
- Message: Access Denied
- RequestId: GSKVSNHXCRP4YEX2
- HostId: dgrAPA81J7eCNgsR3ETFvvD56M4RJRVxlzE/OpQQX1WZmpZducBV7G/zldHSA7Sr1xCVrc6y4IE=

An Error Occurred While Attempting to Retrieve a Custom Error Document

- Code: AccessDenied
- Message: Access Denied

9. We Removed the Block all Public Access and click save changes.

10. Showing Again Same Error Because We have gave access to Bucket not the Objects Ownerships

11. Again go to Permissions
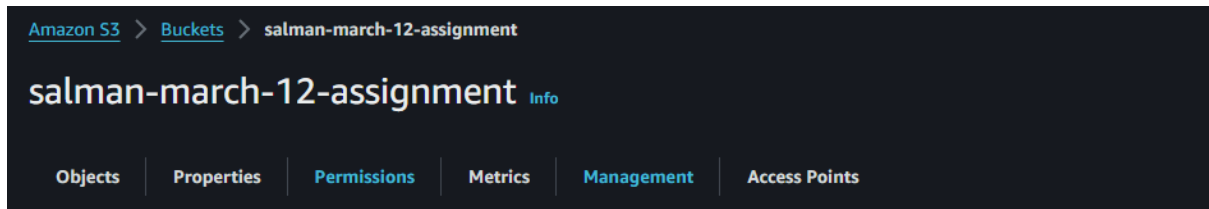
12. Scroll down and u will find Object Ownership and Click Edit
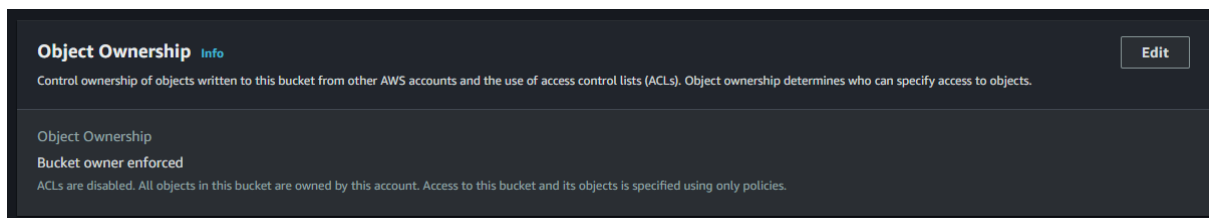
13. Enable ACLs(Access Control Lists) and Save Changes
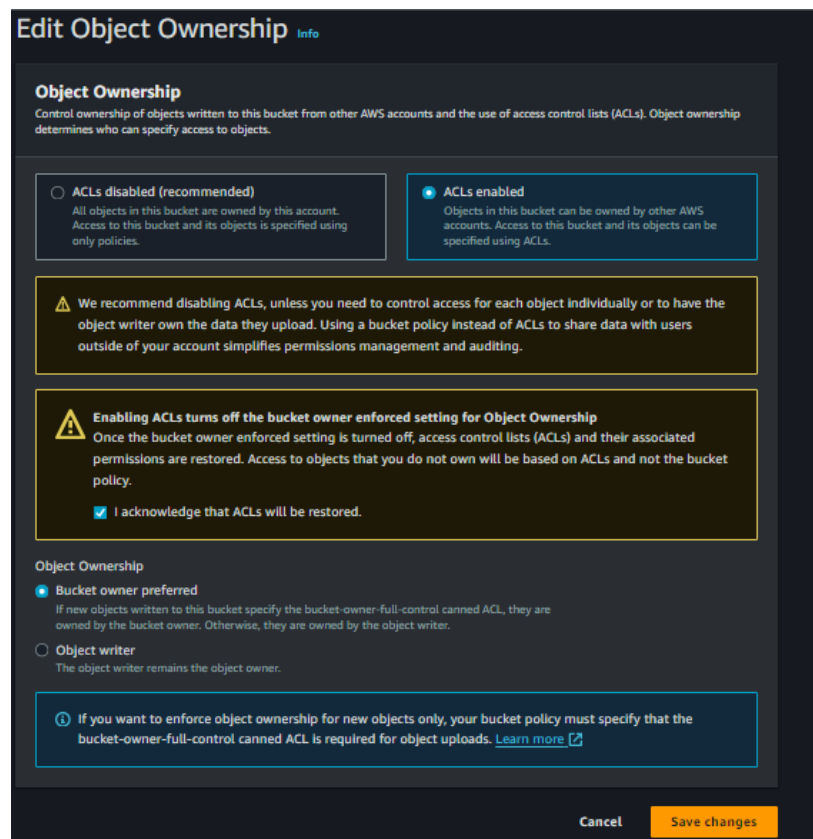
14. Now Select index and error html file and go to Actions and u will find Make Public Using ACL

15. And Click Make Public

16. Now Again go to <mark>Static Website Hosting Click Url</mark> and Now u able to see your website

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://salman-march-12-assignment.s3-website-ap-southeast-1.amazonaws.com ⧉

17. Our <mark>Static Website Open Successfully</mark>

← → C ⚠ Not secure   salman-march-12-assignment.s3-website-ap-southeast-1.amazonaws.com
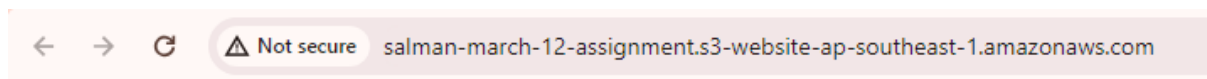
This website is hosted on a s3 bucket

18. After adding another thing in <mark>URL and search then its triggered Error.html Page</mark> Because we have Uploaded that too if any one change url then show that error page

← → C ⚠ Not secure   salman-march-12-assignment.s3-website-ap-southeast-1.amazonaws.com/adds
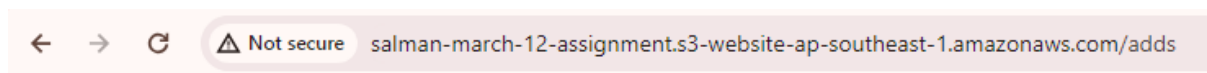
ERROR!!!!! Please verify if the URL is correct

19. Now Second Step ==Go Management== and ==Create Lifecycle Rule==

20. I Currently Selectly All Objects in the Bucket and Click Acknowledge

21. As Per Assignment We need to Select Move CV to Objects b/w SC and EC Versions of Objects

And Select Standard-1A and 60 days

22. And Expiration in 200 Days and Tree Also able To See.

Thank You