

Module 5: S3 Assignment - 3

You have been asked to:

1. Now, make the same bucket to be Static website host and upload an index.html and error.html page
2. Also, add a lifecycle rule for the bucket:
 - a. Transition from Standard to Standard-IA in 60 days
 - b. Expiration in 200 days.

Open the bucket that we created before.

Amazon S3

Successfully created bucket "for-assignment"
To upload files and folders, or to configure additional bucket settings choose [View details](#).

Get hands-on guidance on how to get started with S3 Intelligent-Tiering and experience automatic storage cost savings. [View tutorial](#)

Amazon S3 > Buckets

Account snapshot
Storage lens provides visibility into storage usage and activity trends. [Learn more](#) [View Storage Lens dashboard](#)

Buckets (1) [Info](#)
Buckets are containers for data stored in S3. [Learn more](#)

Find buckets by name

	Name	AWS Region	Access	Creation date
	for-assignment	US East (N. Virginia) us-east-1	Objects can be public	December 23, 2022, 23:39:11 (UTC+05:30)

© 2022, Amazon Web Services India Private Limited or its affiliates. [Privacy](#) [Terms](#) [Cookie preferences](#)

Now click on properties.

The screenshot shows the Amazon S3 console interface. The left sidebar contains navigation options like Buckets, Access Points, and Storage Lens. The main content area is titled 'for-assignment' and has tabs for Objects, Properties, Permissions, Metrics, Management, and Access Points. The 'Properties' tab is selected, showing a table of objects. The table has columns for Name, Type, Last modified, Size, and Storage class. Two objects are listed: 'Module 4_VPC Assignment - 1_compressed.pdf' and 'Module 4_VPC Assignment - 2_compressed.pdf'. The footer of the console shows the URL 'https://s3.console.aws.amazon.com/s3/buckets/for-assignment?region=us-east-1&tab=properties' and copyright information for Amazon Web Services India Private Limited.

Name	Type	Last modified	Size	Storage class
Module 4_VPC Assignment - 1_compressed.pdf	pdf	December 23, 2022, 23:40:06 (UTC+05:30)	538.6 KB	Standard
Module 4_VPC Assignment - 2_compressed.pdf	pdf	December 23, 2022, 23:40:05 (UTC+05:30)	646.8 KB	Standard

Scroll down and select edit on Static website hosting.

The screenshot shows the Amazon S3 console interface with the 'Static website hosting' settings for the bucket 'for-assignment'. The settings are displayed in a list with 'Edit' buttons. The 'Static website hosting' setting is currently disabled. A blue banner at the top of the settings area reads: 'Get hands-on guidance on how to get started with S3 Intelligent-Tiering and experience automatic storage cost savings.' The footer of the console shows the URL 'https://s3.console.aws.amazon.com/s3/buckets/for-assignment?region=us-east-1&tab=properties' and copyright information for Amazon Web Services India Private Limited.

Get hands-on guidance on how to get started with S3 Intelligent-Tiering and experience automatic storage cost savings. [View tutorial](#)

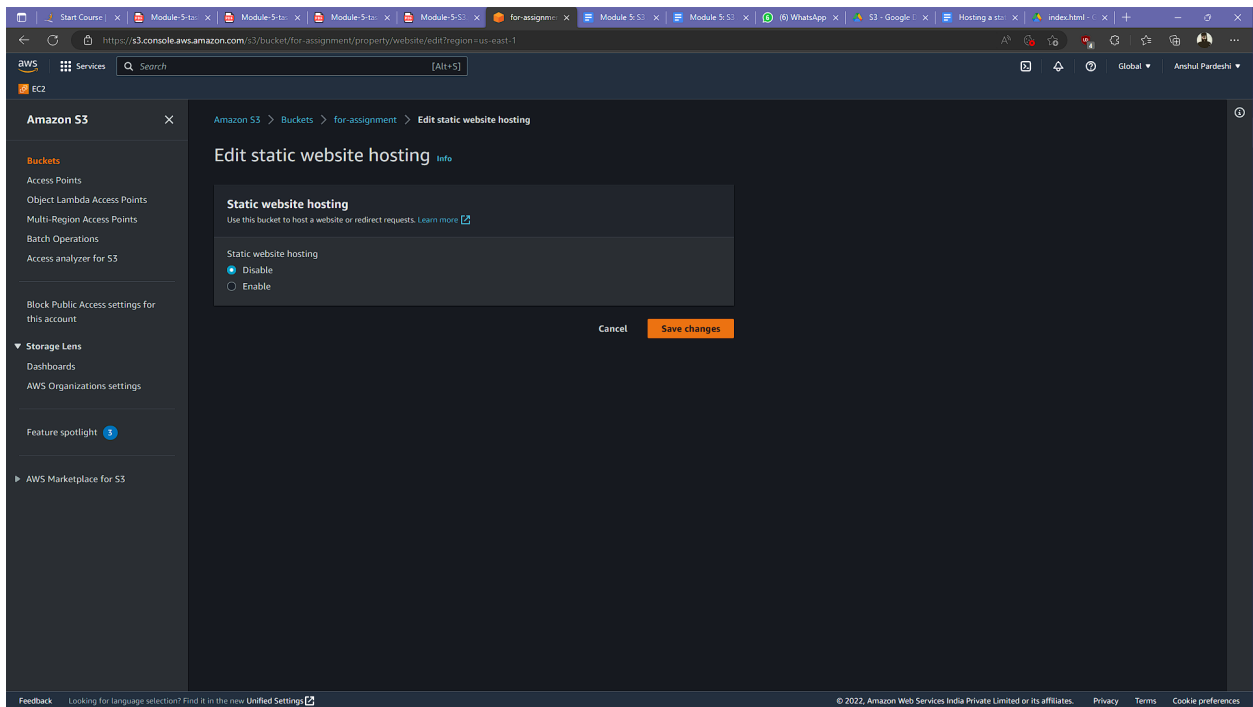
Transfer acceleration
Use an accelerated endpoint for faster data transfers. [Learn more](#)
Transfer acceleration: Disabled

Object Lock
Store objects using a write-once-read-many (WORM) model to help you prevent objects from being deleted or overwritten for a fixed amount of time or indefinitely. [Learn more](#)
Object Lock: Disabled
Amazon S3 currently does not support enabling Object Lock after a bucket has been created. To enable Object Lock for this bucket, contact Customer Support.

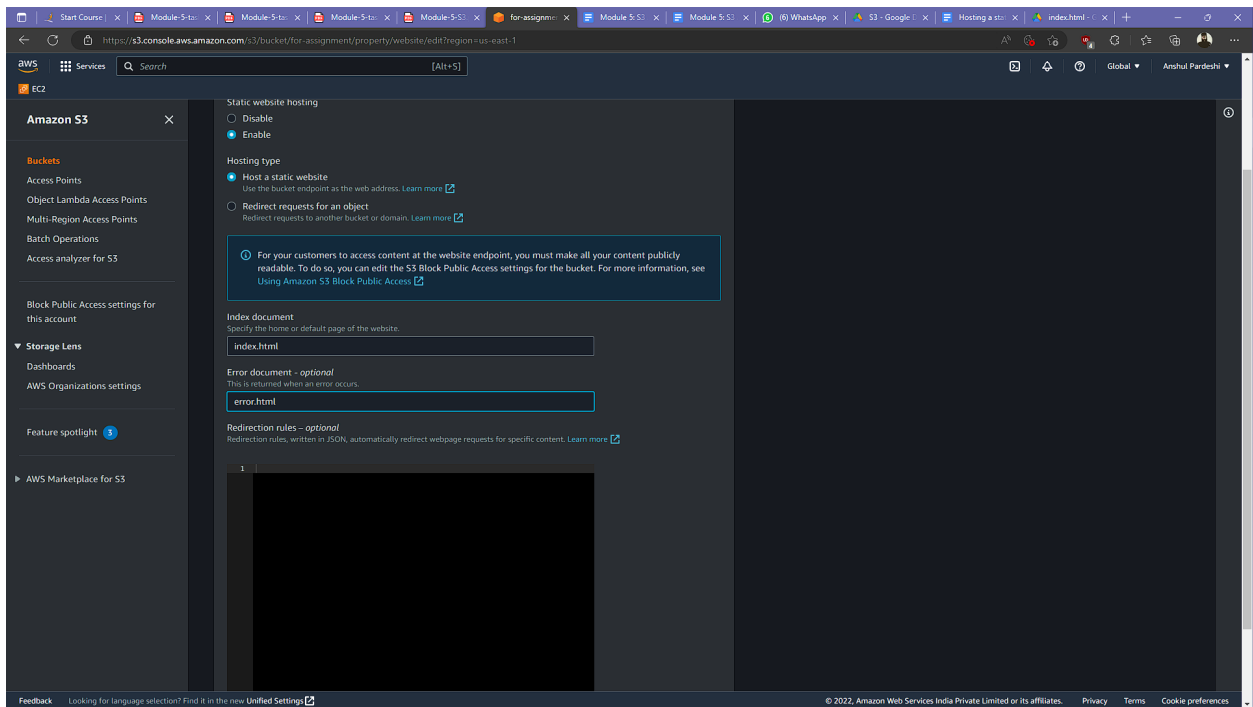
Requester pays
When enabled, the requester pays for requests and data transfer costs, and anonymous access to this bucket is disabled. [Learn more](#)
Requester pays: Disabled

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

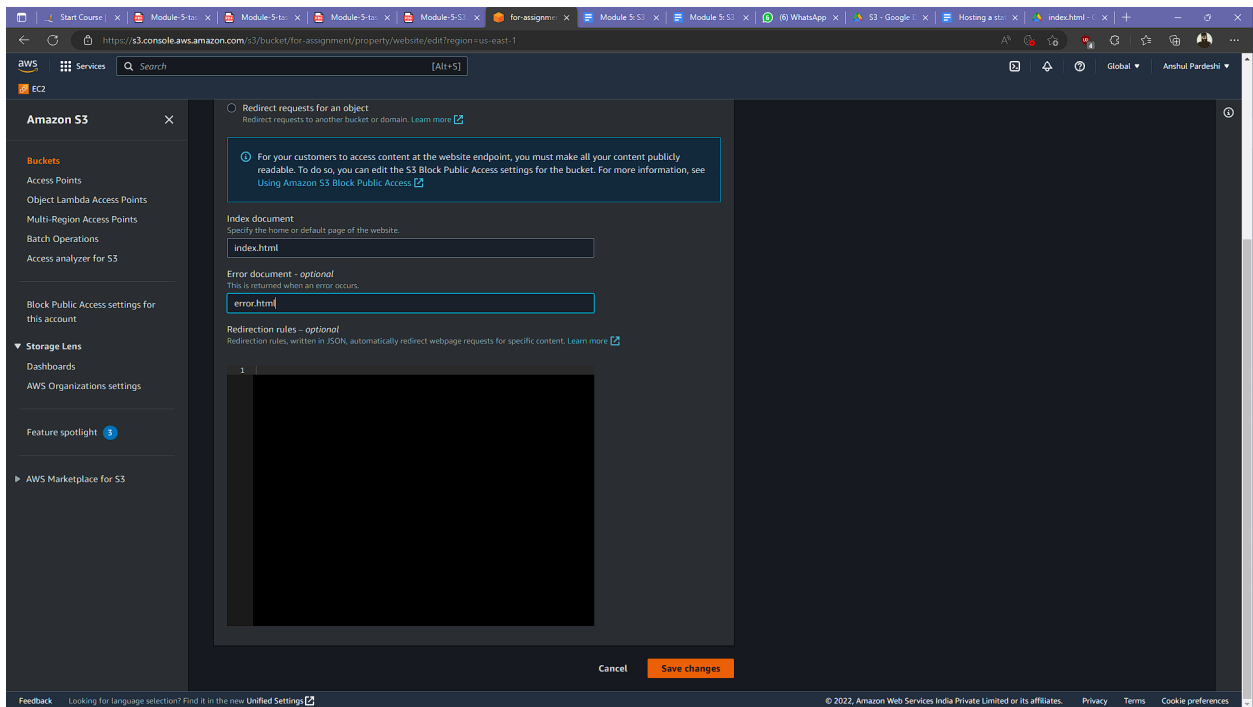
Click on enable.



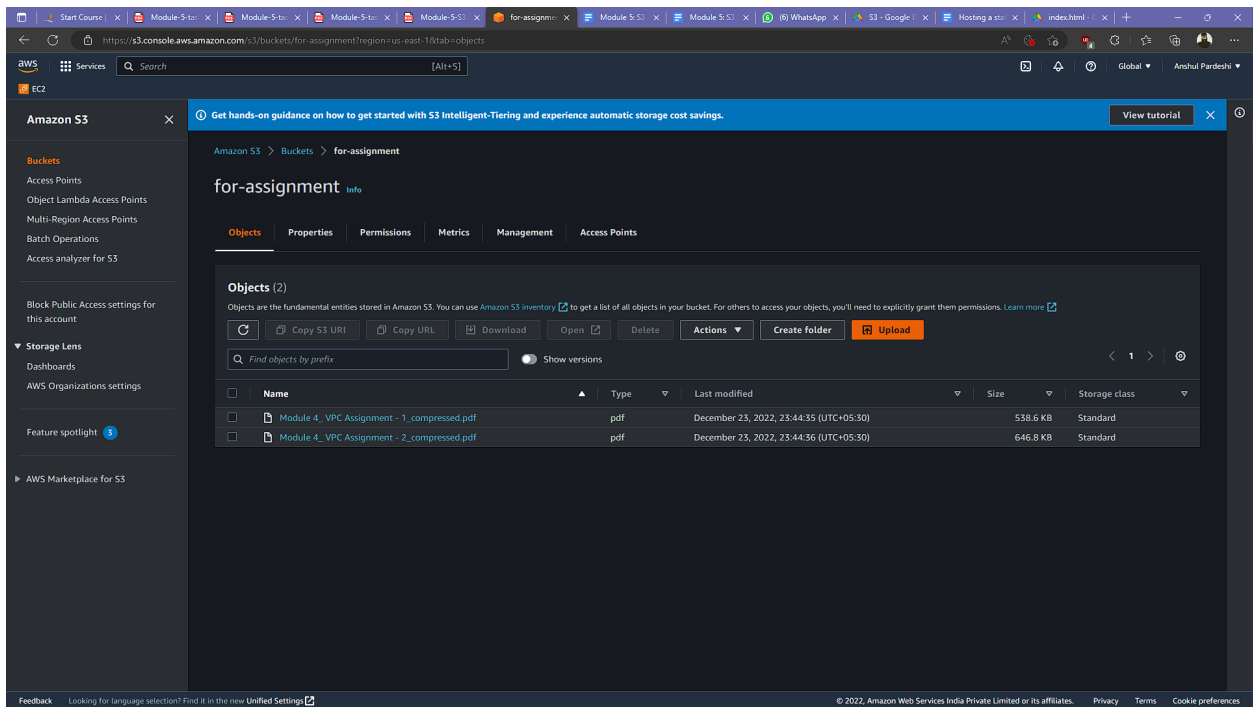
Name index document as 'index .html' and error document as 'error.html'



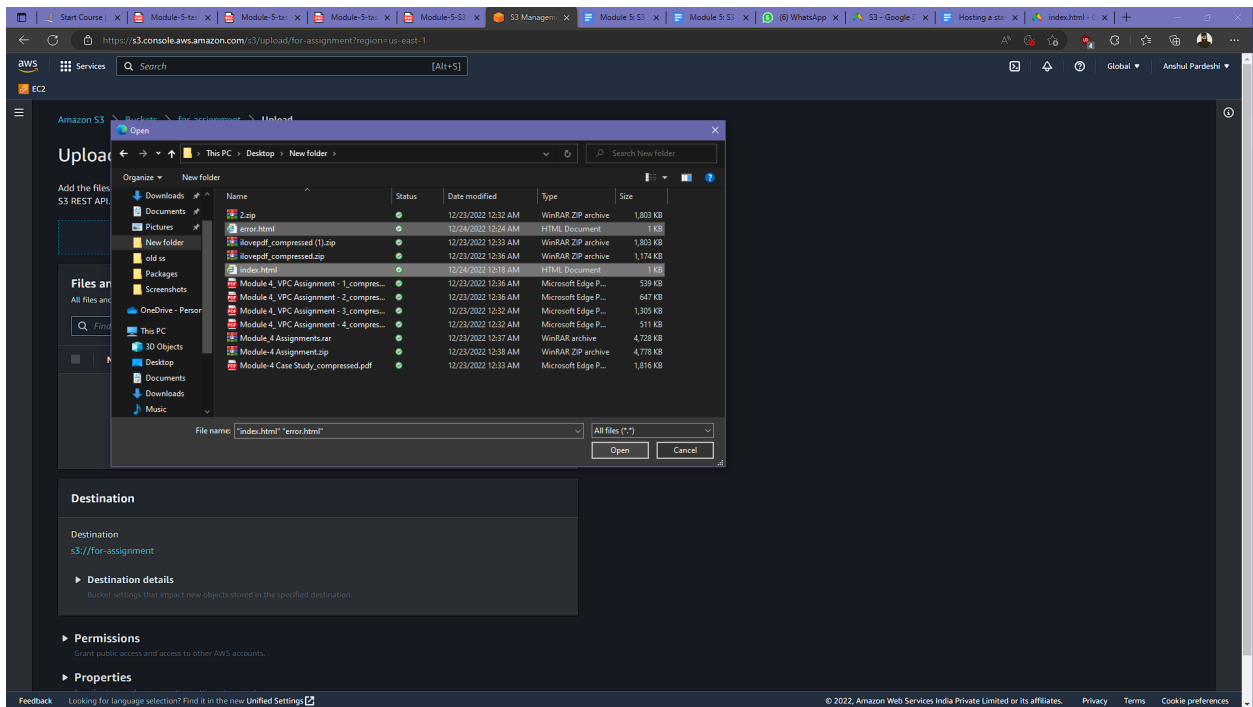
Click on save changes.



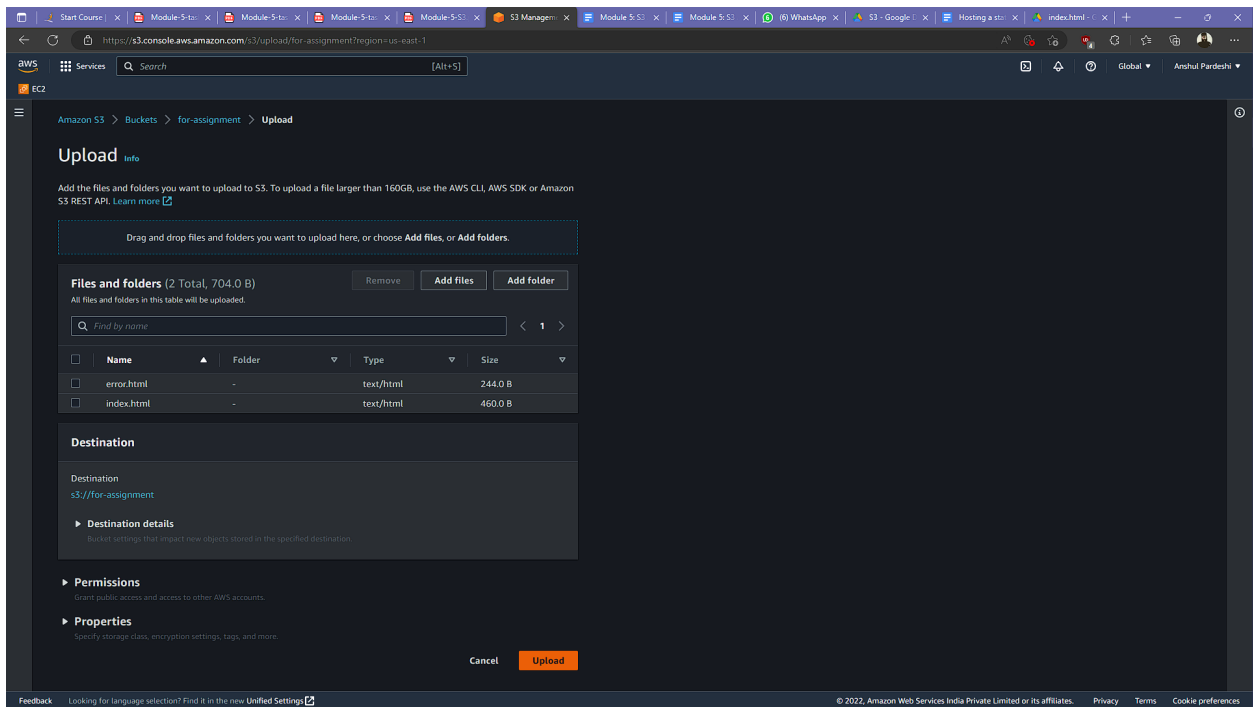
Now upload 'index.html' and 'error.html' files which I had them already.



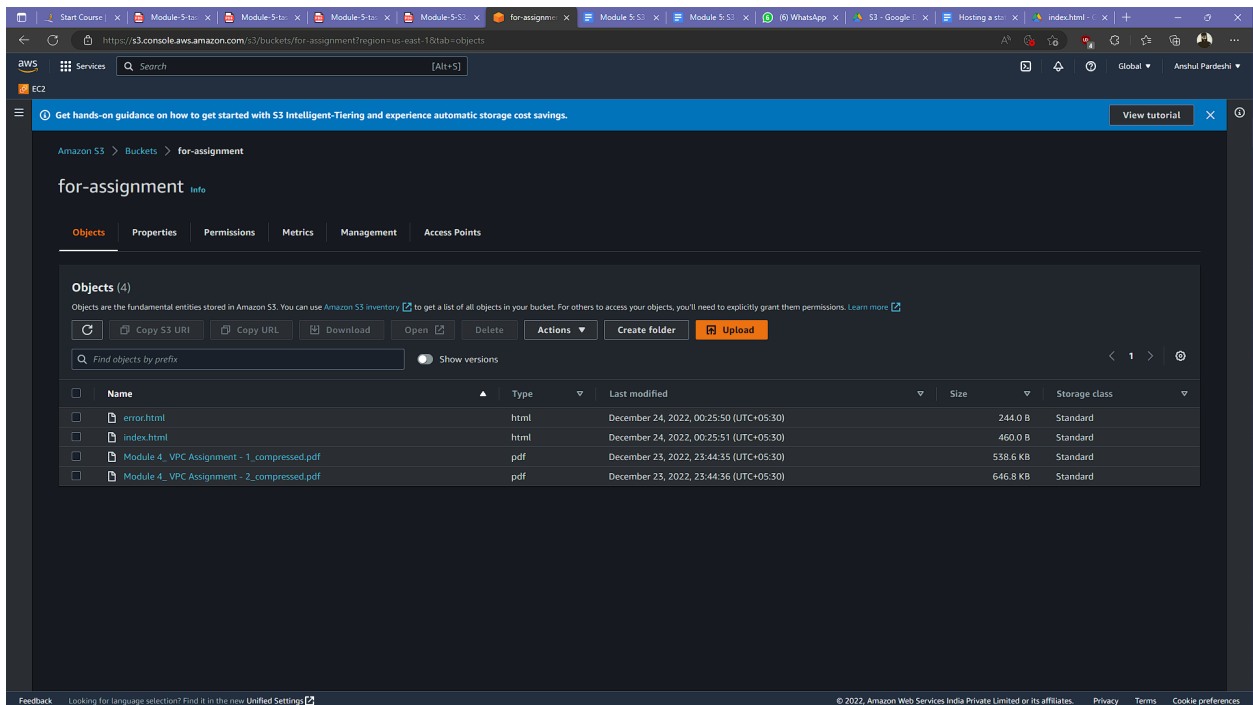
These are the files to be uploaded.



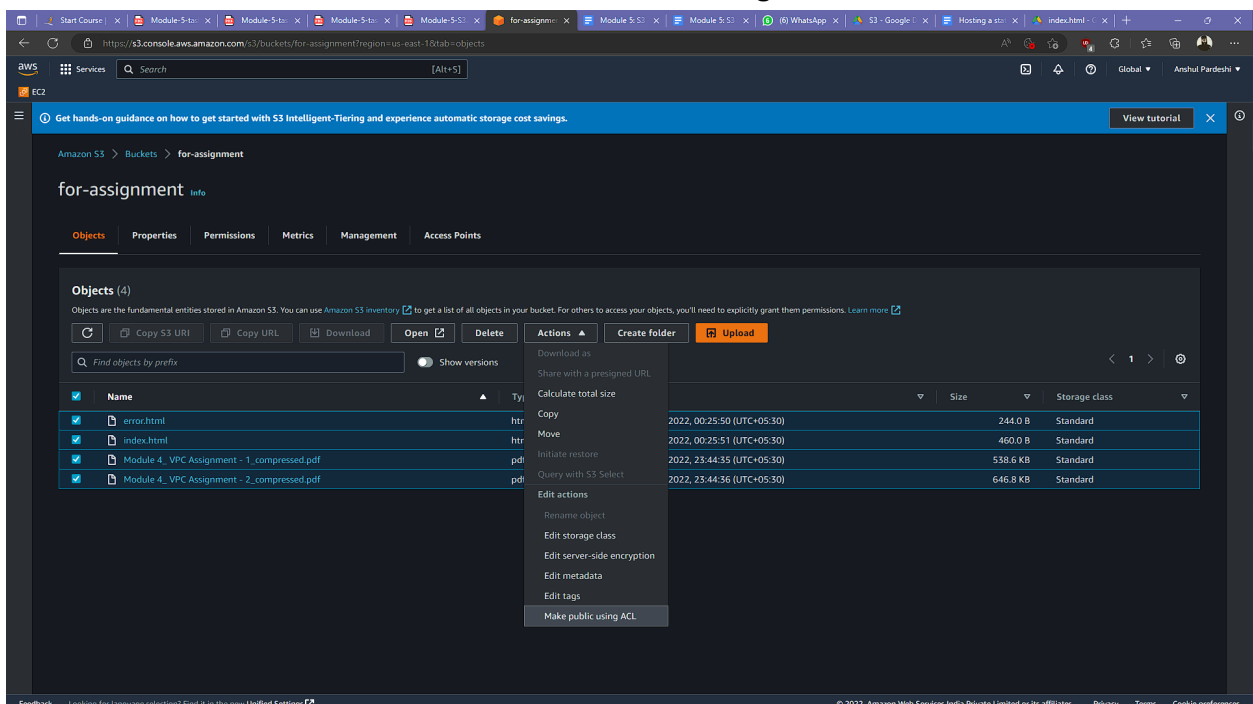
Click on upload.



HTML files has been uploaded.



Make both the html files public. Select the files and go in actions drop down menu and choose Make Public Using ACL.



Choose make public.

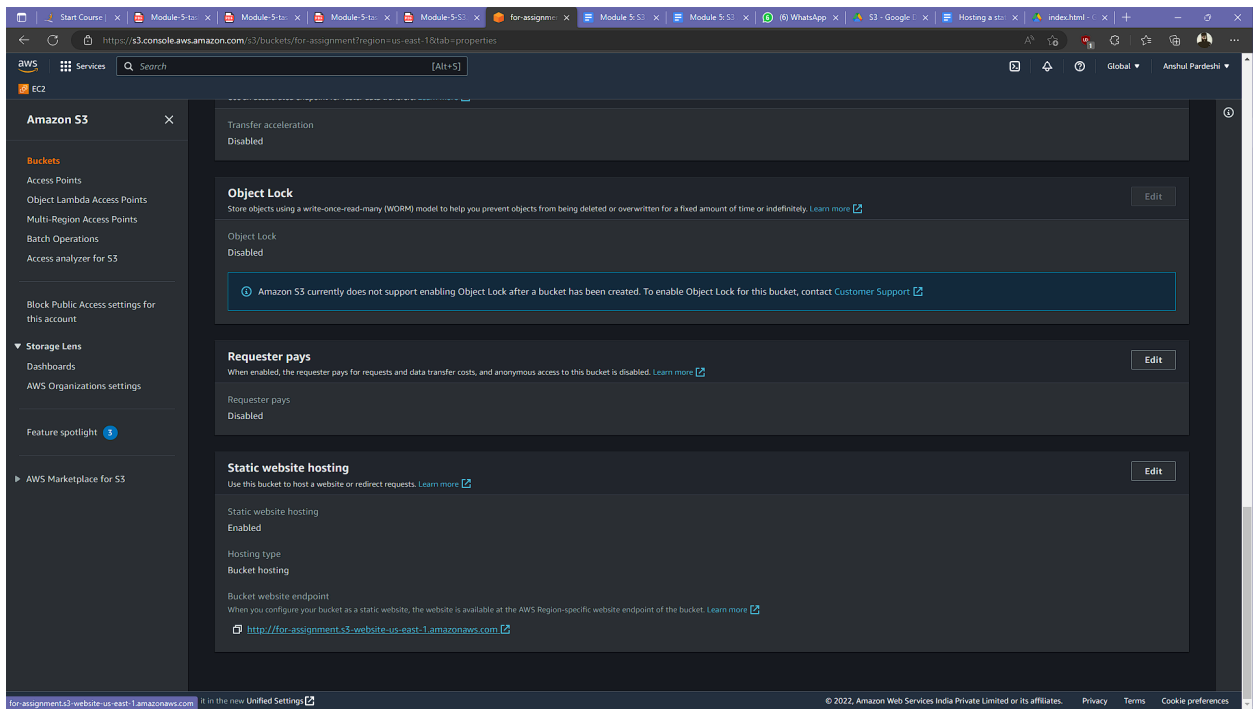
The screenshot shows the AWS S3 console interface. The breadcrumb navigation is 'Amazon S3 > Buckets > for-assignment > Make public'. The page title is 'Make public' with an 'Info' link. A warning message states: 'When public read access is enabled and not blocked by Block Public Access settings, anyone in the world can access the specified objects.' Below this is a section titled 'Specified objects' with a search bar and a table of objects. The table has columns for Name, Type, Last modified, and Size. The objects listed are 'error.html', 'index.html', and two PDF files. At the bottom of the table are 'Cancel' and 'Make public' buttons.

Name	Type	Last modified	Size
error.html	html	December 24, 2022, 00:25:50 (UTC+05:30)	244.0 B
index.html	html	December 24, 2022, 00:25:51 (UTC+05:30)	460.0 B
Module 4_VRC Assignment - 1_compressed.pdf	pdf	December 23, 2022, 23:44:35 (UTC+05:30)	539.6 KB
Module 4_VRC Assignment - 2_compressed.pdf	pdf	December 23, 2022, 23:44:36 (UTC+05:30)	646.8 KB

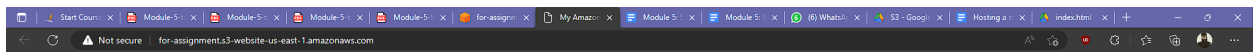
Now go in bucket properties and scroll down.

The screenshot shows the 'Properties' tab of the 'for-assignment' bucket. The left sidebar contains navigation links for Buckets, Access Points, Object Lambda Access Points, Multi-Region Access Points, Batch Operations, Access analyzer for S3, Storage Lens, Dashboards, AWS Organizations settings, Feature spotlight, and AWS Marketplace for S3. The main content area has tabs for Objects, Properties (selected), Permissions, Metrics, Management, and Access Points. The 'Bucket overview' section shows the AWS Region as 'US East (N. Virginia) us-east-1', the Amazon Resource Name (ARN) as 'arn:aws:s3:::for-assignment', and the Creation date as 'December 23, 2022, 23:39:11 (UTC+05:30)'. The 'Bucket Versioning' section shows 'Bucket Versioning' as 'Enabled' and 'Multi-factor authentication (MFA) delete' as 'Disabled'. The 'Tags' section shows '(0)' tags. The 'Default encryption' section is at the bottom.

Copy Bucket Endpoint URL and paste it in browser.

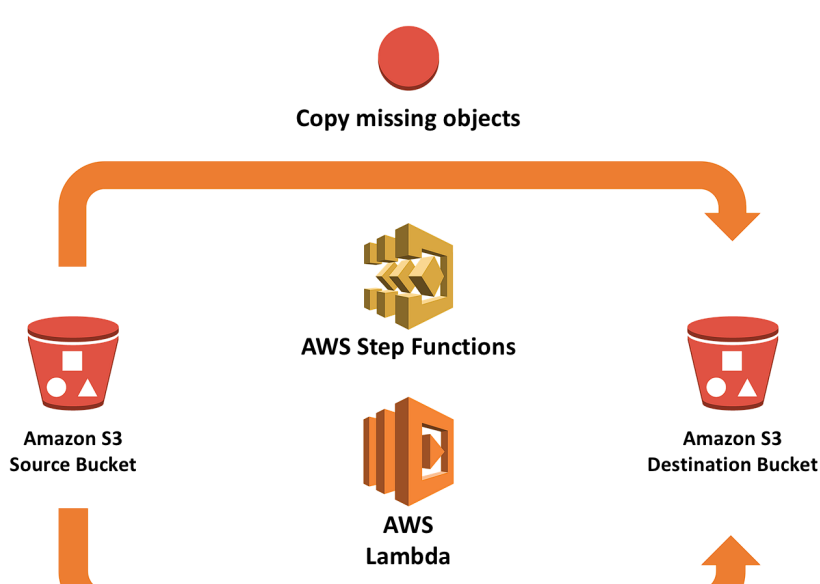


We can see Static Website Hosted in S3 bucket.

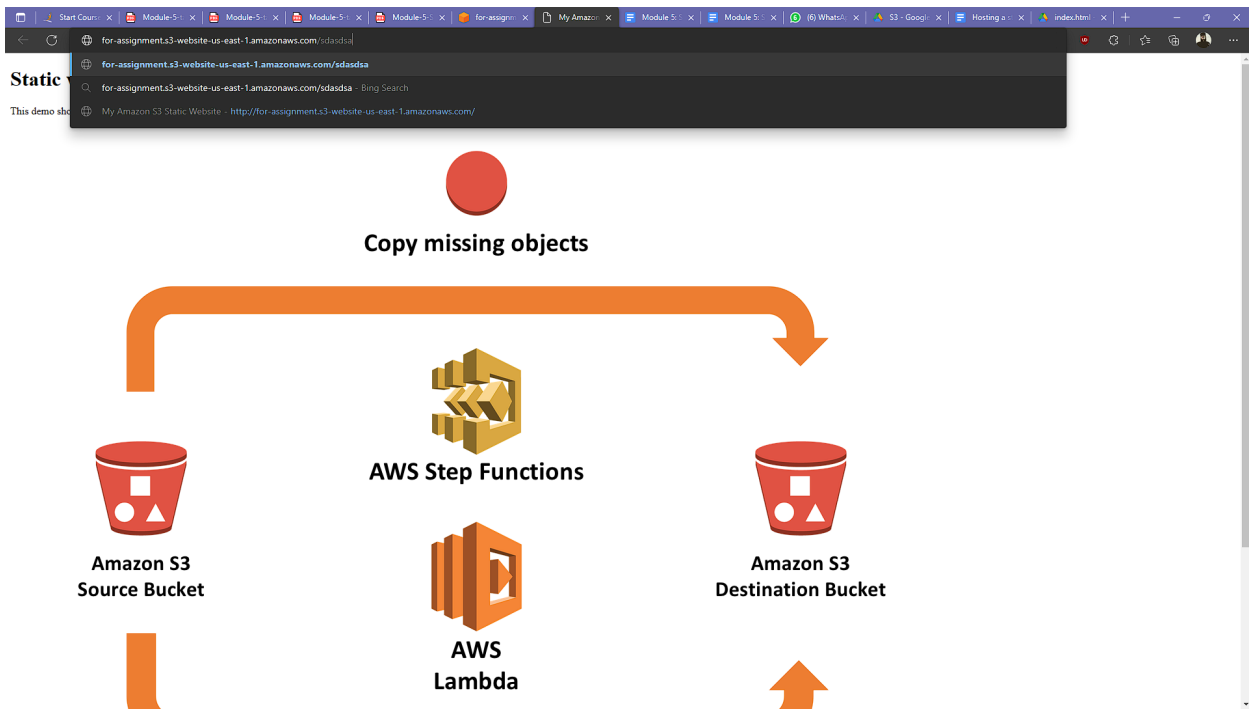


Static website hosting on an Amazon S3 bucket

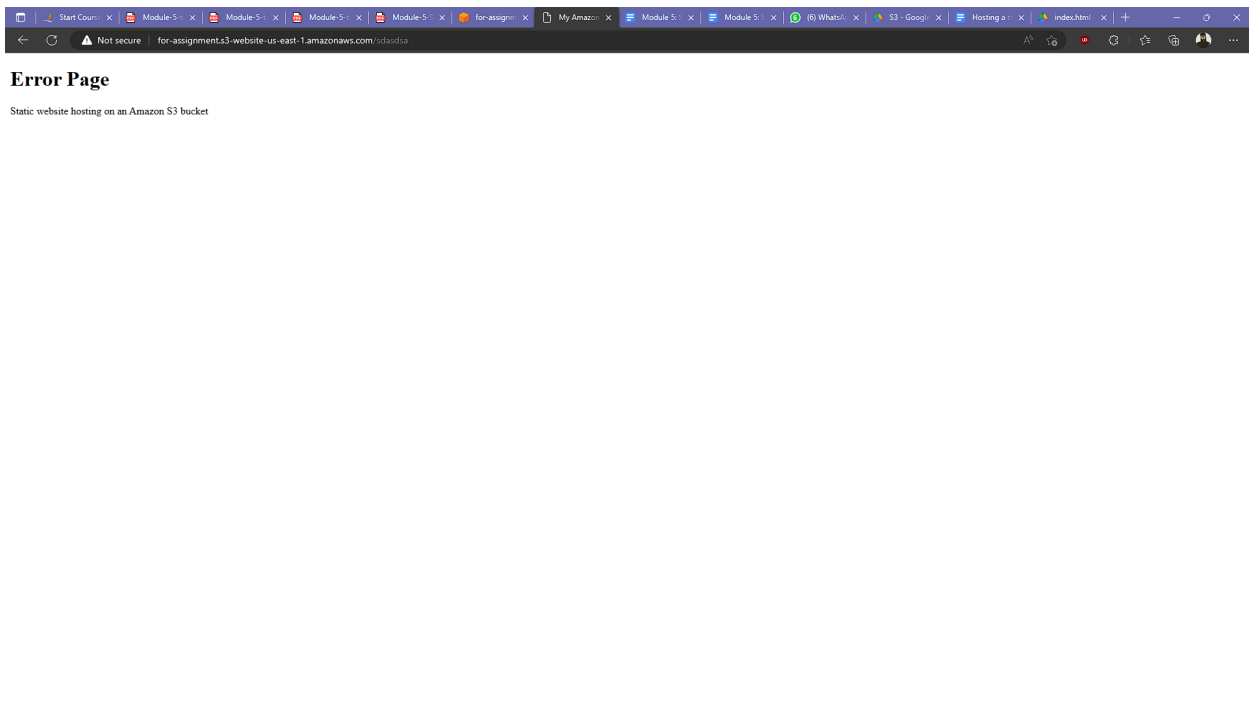
This demo shows how to host a static website on an Amazon S3 bucket



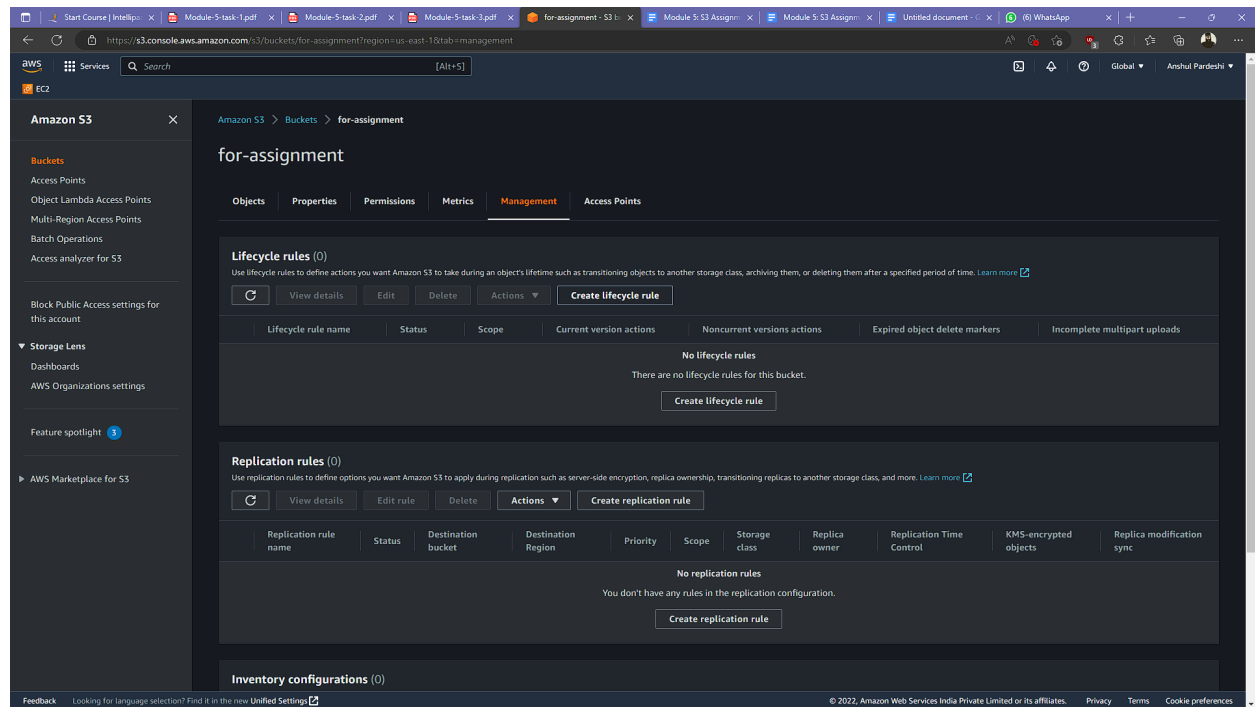
Now type /anything to see the error page.



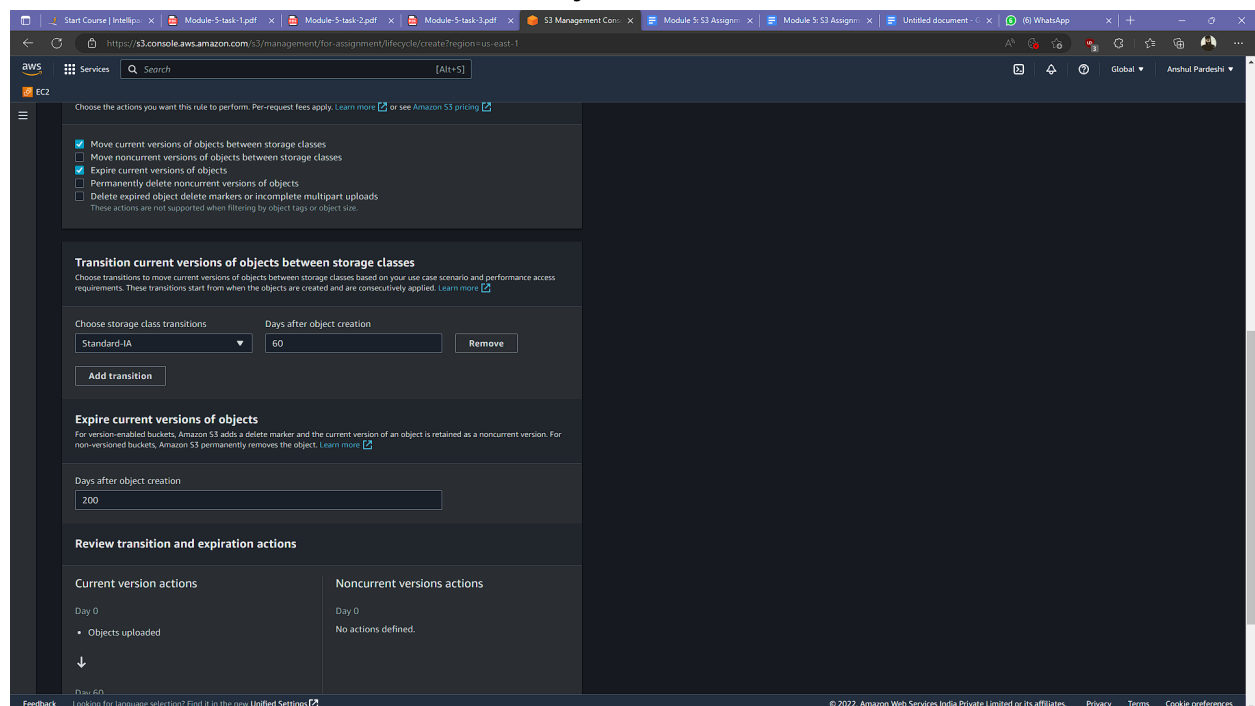
This is the error page.



For lifecycle policy go to management in the s3 bucket. And choose create lifecycle rule.

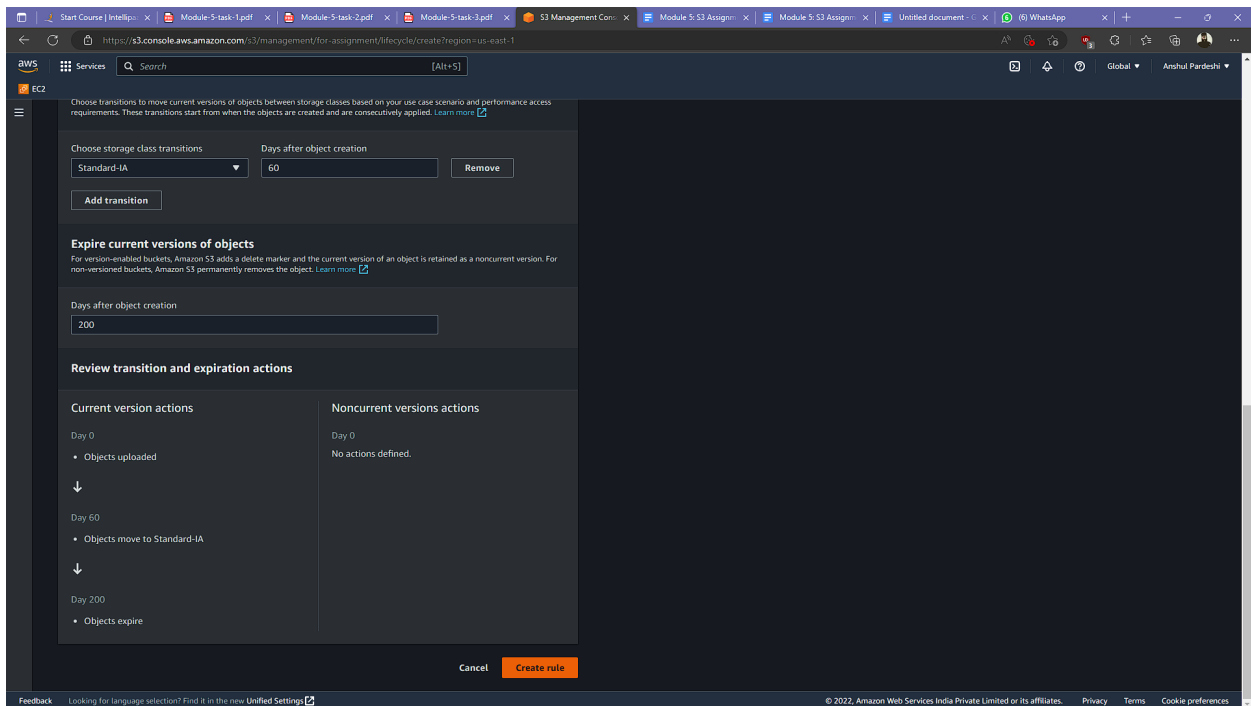


Choose 'Move current object between storage classes' as tick marked and 'Expire current objects' tick marked.

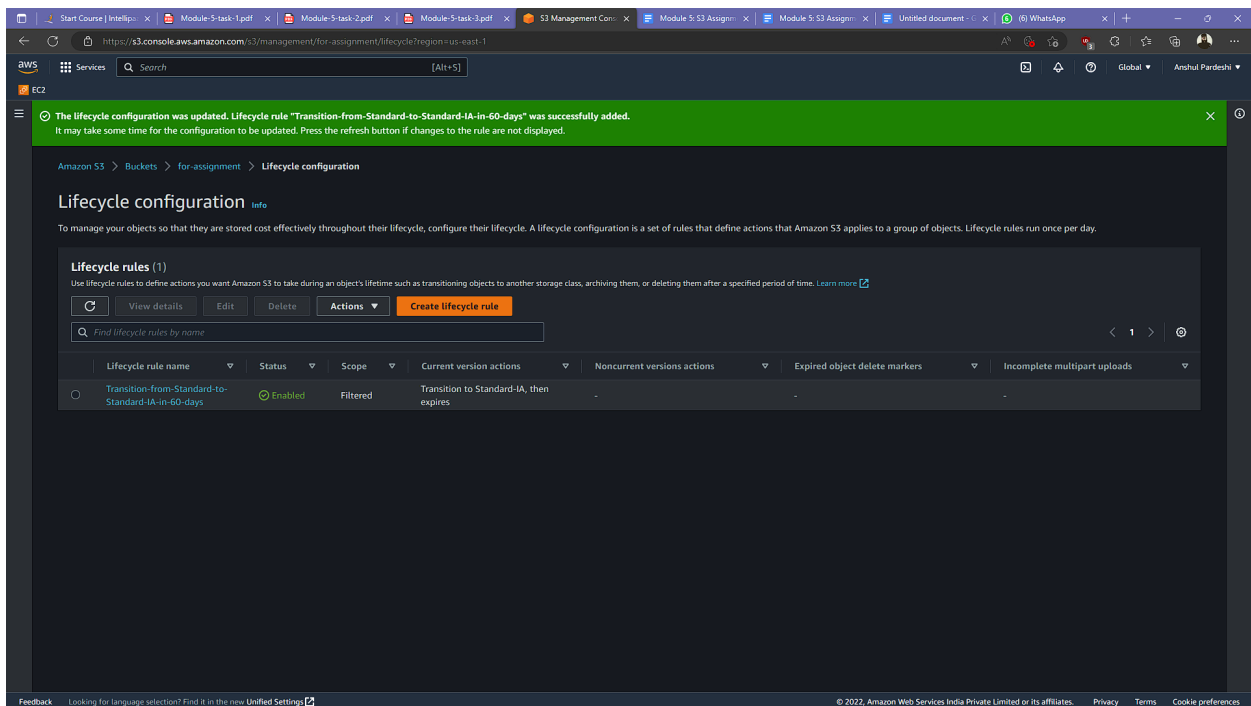


In the storage class transition select Standard IA and type 60 to choose after how many days you want to perform this action. It is 60 in this case.

In 'expire current version of object' Type 200 for this case. And select Create rule.



Lifecycle rule as needed has been created.



Content of:

index.html:

```
<!DOCTYPE html>
<html lang="en" dir="ltr">
  <head>
    <meta charset="utf-8">
    <title>My Amazon S3 Static Website</title>
  </head>
  <body>
    <h1>Static website hosting on an Amazon S3 bucket</h1>
    <p>This demo shows how to host a static website on an Amazon S3 bucket</p>
    
  </body>
</html>
```

Error.html:

```
<!DOCTYPE html>
<html lang="en" dir="ltr">
  <head>
    <meta charset="utf-8">
    <title>My Amazon S3 Static Website</title>
  </head>
  <body>
    <h1>Error Page</h1>
    <p>Static website hosting on an Amazon S3 bucket</p>
  </body>
</html>
```