



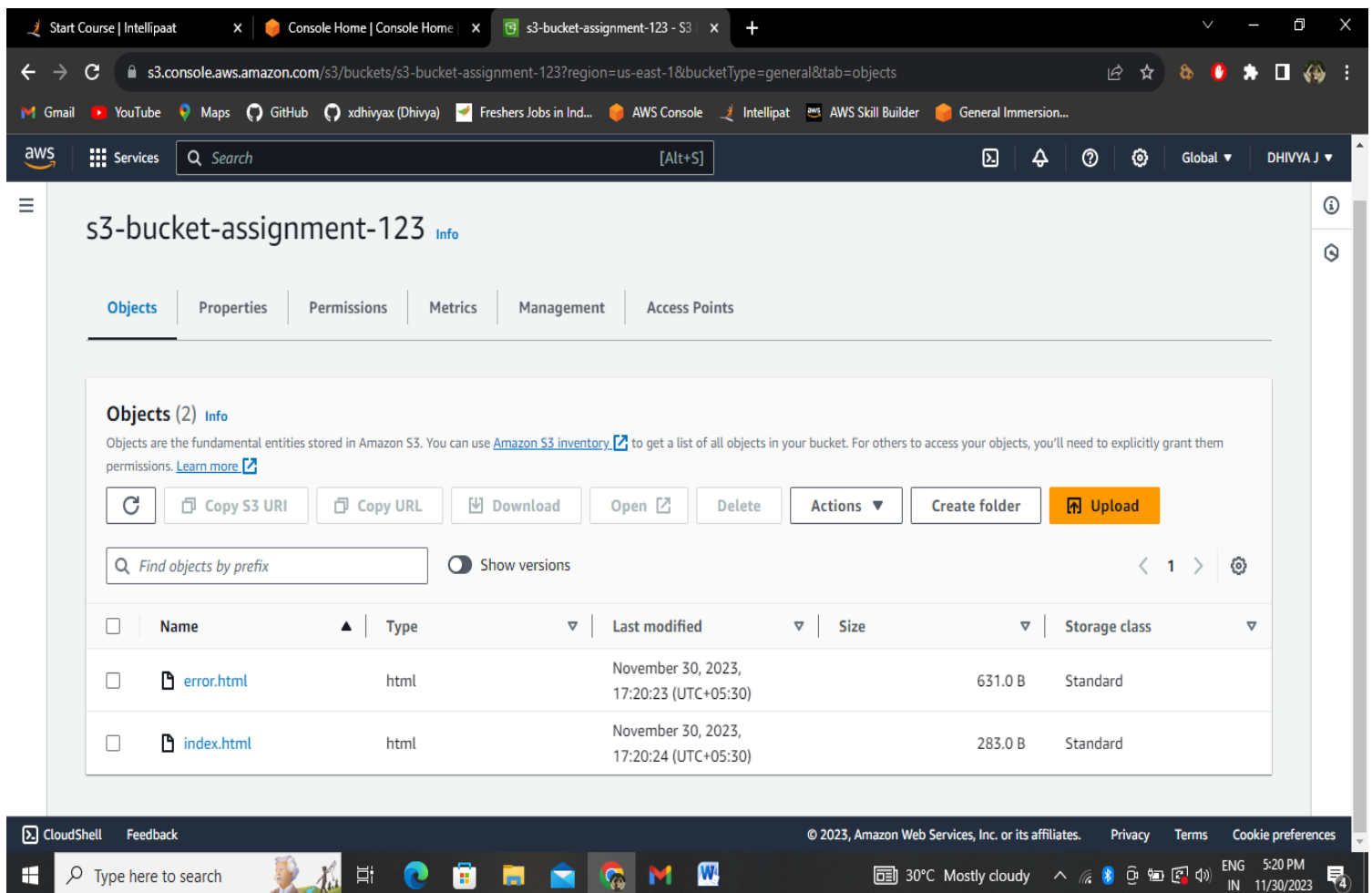
Module 6: S3 Website Hosting Assignment

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



The screenshot shows the AWS S3 console interface for a bucket named 's3-bucket-assignment-123'. The 'Objects' tab is selected, displaying a list of two objects: 'error.html' and 'index.html'. Both objects are of type 'html' and are stored in the 'Standard' storage class. The 'error.html' object is 631.0 B and was last modified on November 30, 2023, at 17:20:23 (UTC+05:30). The 'index.html' object is 283.0 B and was last modified on November 30, 2023, at 17:20:24 (UTC+05:30). The console also shows various action buttons like 'Copy S3 URI', 'Copy URL', 'Download', 'Open', 'Delete', 'Actions', 'Create folder', and 'Upload'. A search bar and a 'Show versions' toggle are also visible.

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	error.html	html	November 30, 2023, 17:20:23 (UTC+05:30)	631.0 B	Standard
<input type="checkbox"/>	index.html	html	November 30, 2023, 17:20:24 (UTC+05:30)	283.0 B	Standard

Start Course | Intellipaat x Console Home | Console Home x Edit static website hosting - S3 | x

s3.console.aws.amazon.com/s3/bucket/s3-bucket-assignment-123/property/website/edit?region=us-east-1&bucketType=general

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Amazon S3 > Buckets > s3-bucket-assignment-123 > 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](#)

Info 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](#)

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s3.console.aws.amazon.com/s3/buckets/s3-bucket-assignment-123?region=us-east-1&bucketType=general&tab=properties

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Disabled

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://s3-bucket-assignment-123.s3-website-us-east-1.amazonaws.com>

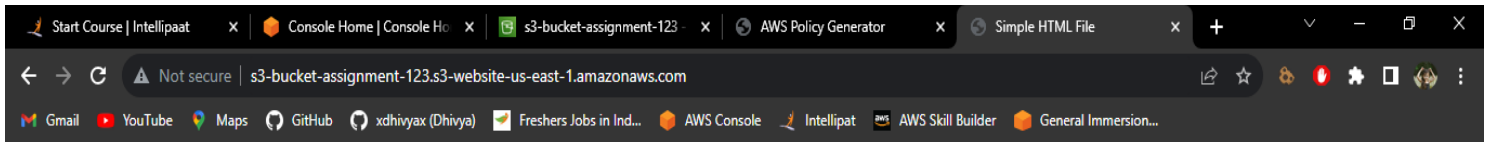
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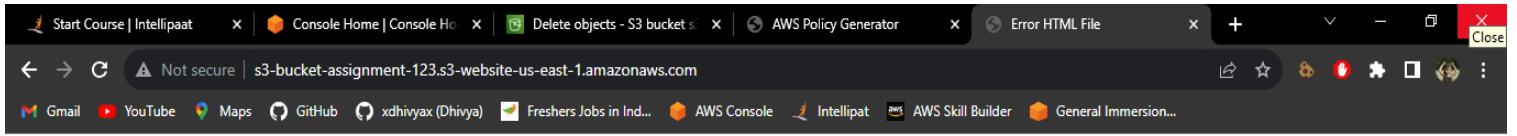
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Hello, All!

This is a simple website.





Custom Error Page

Sorry, but something went wrong on this page.

Please try again later or contact support.



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s3.console.aws.amazon.com/s3/management/s3-bucket-assignment-123/lifecycle/create?region=us-east-1&bucketType=general

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Create lifecycle rule [Info](#)

Lifecycle rule configuration

Lifecycle rule name

s3-lifecycle-rule-123

Up to 255 characters

Choose a rule scope

☐ Limit the scope of this rule using one or more filters

☒ Apply to all objects in the bucket

⚠ Apply to all objects in the bucket

If you want the rule to apply to specific objects, you must use a filter to identify those objects. Choose "Limit the scope of this rule using one or more filters". [Learn more](#)

☒ I acknowledge that this rule will apply to all objects in the bucket.

Lifecycle rule actions

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s3.console.aws.amazon.com/s3/management/s3-bucket-assignment-123/lifecycle/create?region=us-east-1&bucketType=general

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☒ Move current versions of objects between storage classes
☐ Move noncurrent versions of objects between storage classes
☒ Expire current versions of objects
☐ Permanently delete noncurrent versions of objects
☐ Delete expired object delete markers or incomplete multipart uploads
These actions are not supported when filtering by object tags or object size.

Transition current versions of objects between storage classes
Choose transitions to move current versions of objects between storage classes based on your use case scenario and performance access requirements. These transitions start from when the objects are created and are consecutively applied. [Learn more](#)

Choose storage class transitions Days after object creation

Standard-IA 60 Remove

Add transition

Expire current versions of objects
For version-enabled buckets, Amazon S3 adds a delete marker and the current version of an object is retained as a noncurrent version. For non-versioned buckets, Amazon S3 permanently removes the object. [Learn more](#)

Days after object creation

200

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s3.console.aws.amazon.com/s3/management/s3-bucket-assignment-123/lifecycle/create?region=us-east-1&bucketType=general

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Days after object creation

200

Review transition and expiration actions

Current version actions	Noncurrent versions actions
Day 0 <ul style="list-style-type: none">Objects uploaded ↓	Day 0 <ul style="list-style-type: none">No actions defined.
Day 60 <ul style="list-style-type: none">Objects move to Standard-IA ↓	
Day 200 <ul style="list-style-type: none">Objects expire	

Cancel Create rule

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s3.console.aws.amazon.com/s3/management/s3-bucket-assignment-123/lifecycle?region=us-east-1&bucketType=general

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Amazon S3 > Buckets > s3-bucket-assignment-123 > Lifecycle configuration

Lifecycle configuration Info

To manage your objects so that they are stored cost effectively throughout their lifecycle, configure their lifecycle. A lifecycle configuration is a set of rules that define actions that Amazon S3 applies to a group of objects. Lifecycle rules run once per day.

Lifecycle rules (1)

Use lifecycle rules to define actions you want Amazon S3 to take during an object's lifetime such as transitioning objects to another storage class, archiving them, or deleting them after a specified period of time. [Learn more](#)

Lifecycle rule name	Status	Scope	Current version actions	Noncurrent versions actions	Expired object delete markers	Incomplete multipart uploads
s3-lifecycle-rule-123	Enabled	Entire bucket	Transition to Standard-IA, then expires	-	-	-

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