

Creating and Managing S3 Buckets in AWS

38 Steps

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Created by

Mohammed Sohail

Creation Date

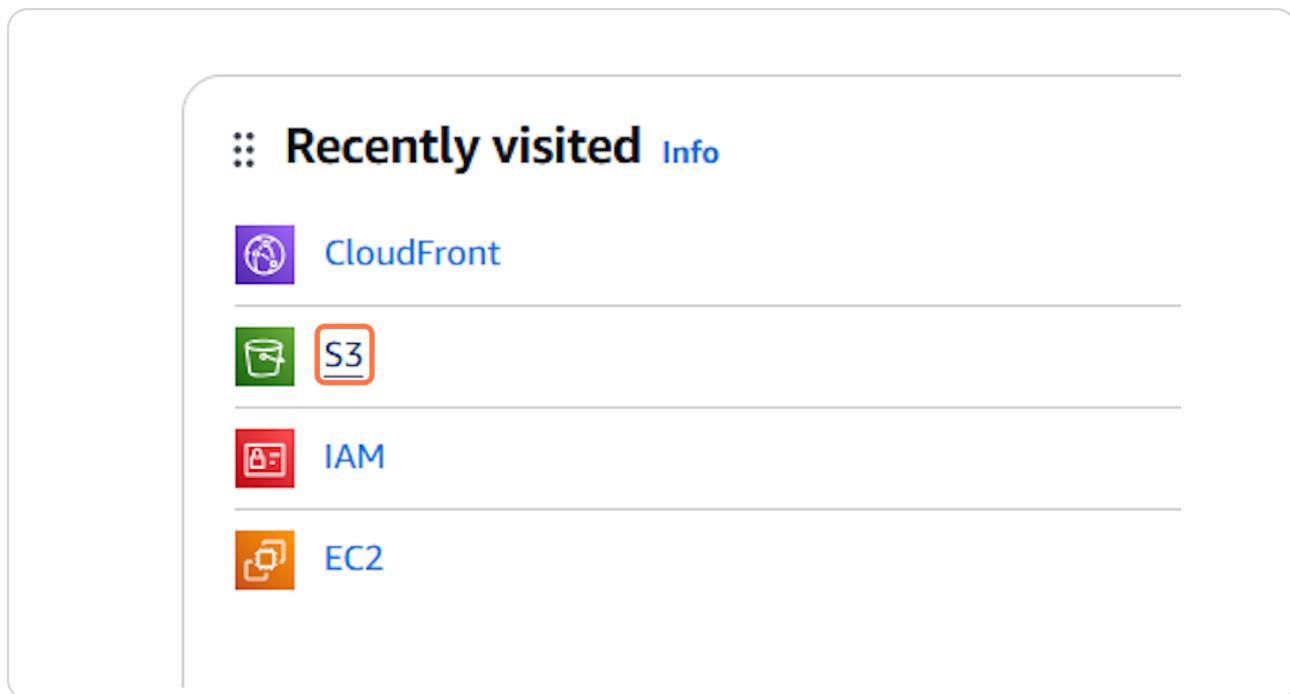
Feb 08, 2025

Last Updated

Feb 08, 2025

STEP 1

Click on S3



STEP 2

Click on Create bucket

The screenshot shows the AWS S3 console with the 'Create bucket' button highlighted in orange. The interface includes a top navigation bar with 'Storage usage and activity trends' and 'Metrics don't include directory buckets'. Below this is a section titled 'Directory buckets' with a count of '(6)'. There are buttons for 'Empty' and 'Delete'. The 'Create bucket' button is prominently displayed in an orange box. The main content area shows a table with columns for 'AWS Region' (US East (N. Virginia)), 'IAM Access Analyzer' (View analyzer for us-east-1), and 'Cr'. A large orange bracket highlights the 'Create bucket' button.

STEP 3

Type "bucketforassignment"

The screenshot shows the 'Create New Bucket' wizard. In the 'Bucket name' field, the text 'bucketforassignment' is typed. Other fields shown include 'Bucket type' (General purpose selected), 'Object Ownership' (ACLS disabled selected), and 'Block Public Access settings for this bucket' (disabled). The bottom of the screen shows standard AWS navigation links like CloudShell, Feedback, Privacy, Terms, and Cookies.

STEP 4

Select ACLs enabled

AWS accounts and the use of access control lists (ACLs). Object owner

bucket and its objects is



ACLs enabled

Objects in this bucket can be owned
can be specified using ACLs.

Access for each object individually or to have the object writer own
account simplifies permissions management and auditing.

STEP 5

Check Block all public access

Block Public Access settings for this bucket

Public access is granted to buckets and objects through access control lists (ACLs). If no ACL is present on a bucket or object, S3 grants public access to it. If you want to prevent public access to your buckets and objects, turn off public access to them. If you want to prevent public access to new objects that you upload to your buckets, turn on Block all public access. These settings do not affect existing objects. To prevent public access to existing objects, apply ACLs to them. Before applying any of these settings, ensure that your application or service can handle the change in behavior. You can also use the AWS Lambda function to customize the individual settings below to suit your specific needs.



Block all public access

Turning this setting on is the same as turning on all four settings below.

Block public access to buckets and objects granted via ACLs

S3 will block public access permissions applied to newly added objects. This setting does not affect existing permissions that allow public access to S3 resources.

Block public access to buckets and objects granted via bucket policies

S3 will ignore all ACLs that grant public access to buckets and objects.

STEP 6

Select Enable

Bucket Versioning

Versioning is a means of keeping multiple variants of an object in an Amazon S3 bucket. With versioning, you can easily recover older versions of objects.

Bucket Versioning

Disable

Enable

Tags - *optional* (0)

You can use bucket tags to track storage costs and organization.

STEP 7

Uncheck I acknowledge that the current settings might result in this bucket and the objects within becoming public.

Block public and cross-account access to buckets a

S3 will ignore public and cross-account access for buckets or

 Turning off block all public access might result in th

AWS recommends that you turn on block all public ac



I acknowledge that the current settings might res

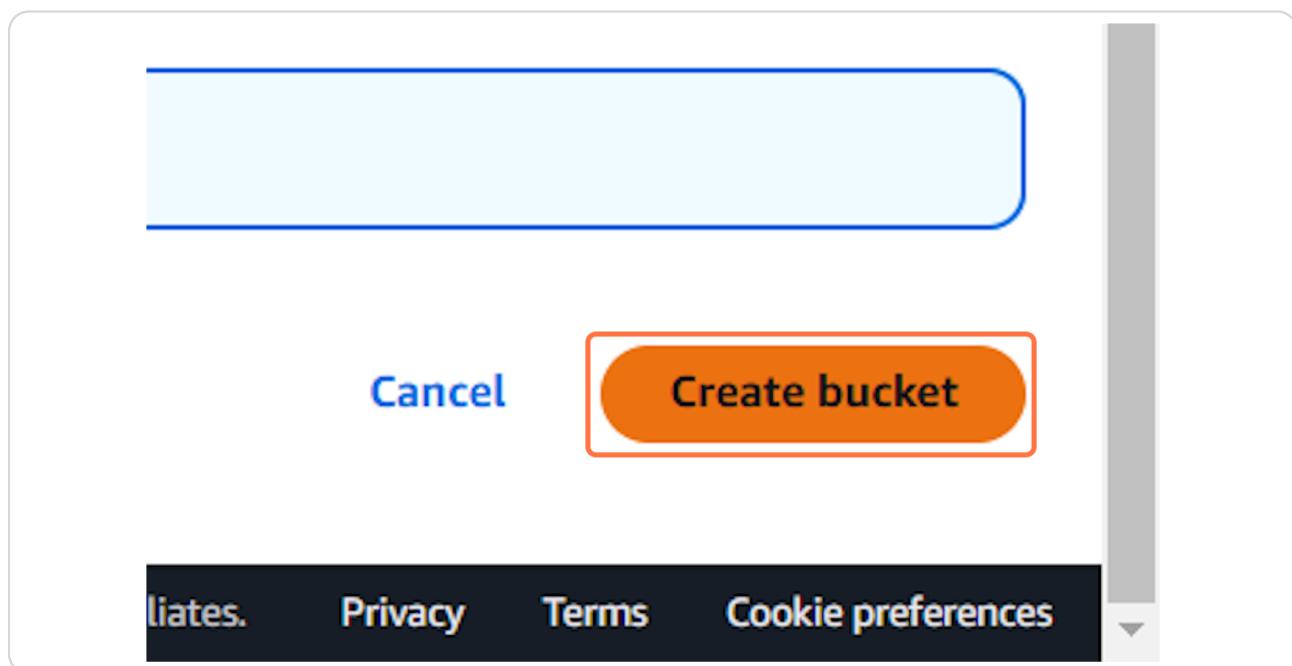
Bucket Versioning

Versioning is a means of keeping multiple variants of an obj

Amazon S3 bucket. With versioning, you can easily recover f

STEP 8

Click on Create bucket



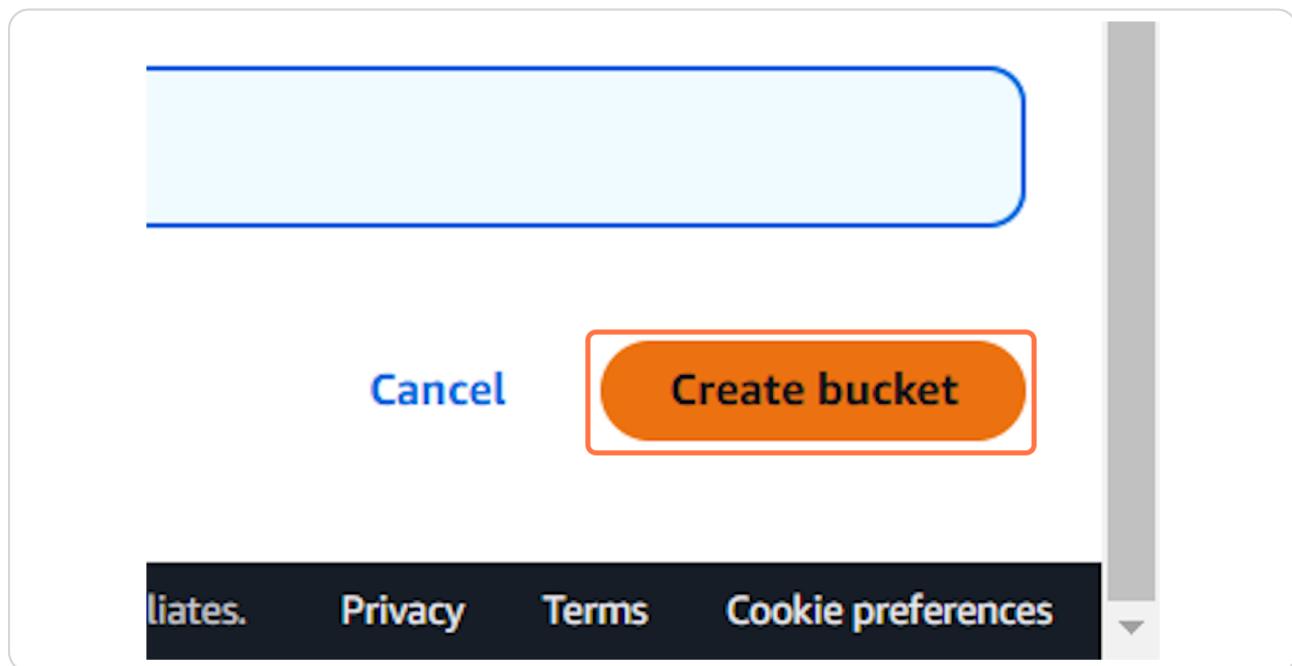
STEP 9

Type "bucketforassignment1"

The screenshot shows the AWS S3 'Create bucket' configuration page. The 'Bucket name' field is highlighted with a red box and contains the value 'bucketforassignment1'. The 'Bucket type' section shows 'General purpose' selected. The 'Object Ownership' section shows 'ACLS disabled (recommended)' selected. The 'Copy settings from existing bucket - optional' section shows 'Choose bucket' selected.

STEP 10

Click on Create bucket



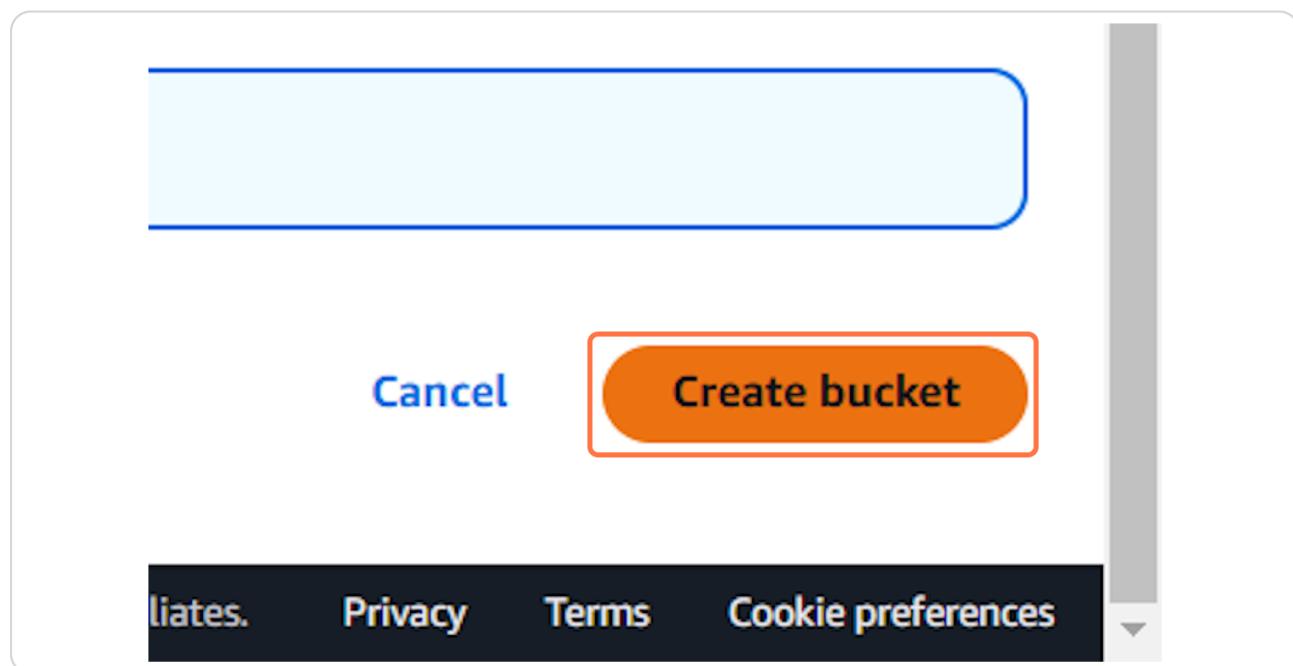
STEP 11

Type "bucketforassignment262"

A screenshot of the AWS S3 "Create bucket" configuration page. The top navigation bar shows "Amazon S3 > Buckets > Create bucket". The main section is titled "General configuration". Under "Bucket type", the "General purpose" option is selected. In the "Bucket name" field, the value "bucketforassignment262" is entered, which is highlighted with a red border. Below the bucket name, there is a note: "Bucket name must be unique within the global namespace and follow the bucket naming rules. See rules for bucket naming." Under "Object Ownership", the "ACLs enabled" option is selected. A note at the bottom of the page says: "We recommend disabling ACLs unless you need to control access for each object individually or to have the object writer own the data they upload. Using a bucket policy is a better way to manage access to your objects." The URL of the page is visible in the browser's address bar: "https://console.aws.amazon.com/s3/buckets?createBucketType=general-purpose®ion=us-east-1&name=bucketforassignment262".

STEP 12

Click on Create bucket



STEP 13

Click on bucketforassignment262

General purpose buckets (7) <small>Info</small> All AWS Regions	
	Buckets are containers for data stored in S3.
<input type="text"/> Find buckets by name	
	Name
<input type="radio"/>	bucketforassignment262
<input type="radio"/>	harsh-ki-pehli-balti
<input type="radio"/>	sohail16012025
<input type="radio"/>	sohailbucket06022025

STEP 14

Click on Properties

The screenshot shows the 'Properties' tab selected in the navigation bar. Below the navigation bar, the bucket name 'bucketforassignment262' is displayed. Under the 'Objects' section, it shows '(0)' objects. There are buttons for 'Copy S3 URI' and 'Copy URL'. A note below states: 'Objects are the fundamental entities stored in Amazon S3. You can use [Amazon IAM](#) to explicitly grant them permissions. [Learn more](#)'.

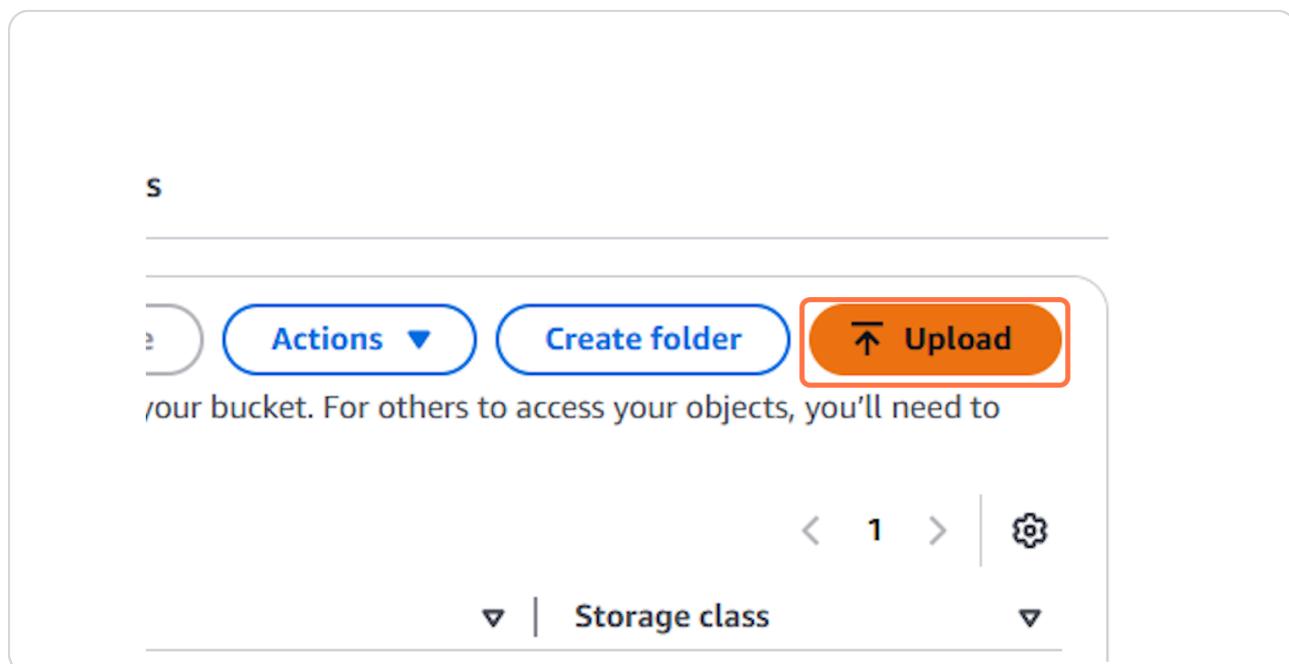
STEP 15

Click on Objects

The screenshot shows the 'Objects' tab selected in the navigation bar. Below the navigation bar, the bucket name 'bucketforassignment262' is displayed. Under the 'Bucket overview' section, it shows the AWS Region as 'US East (N. Virginia) us-east-1'. On the right side, there is a partial view of another section starting with 'Ama'.

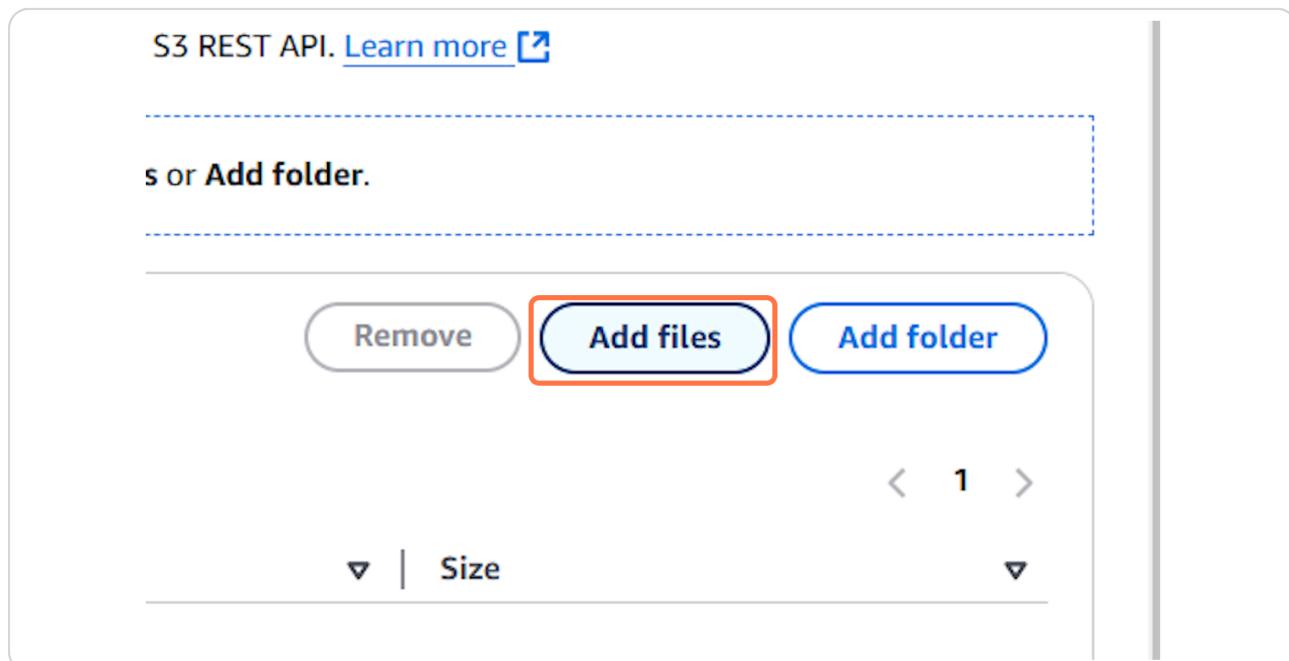
STEP 16

Click on Upload



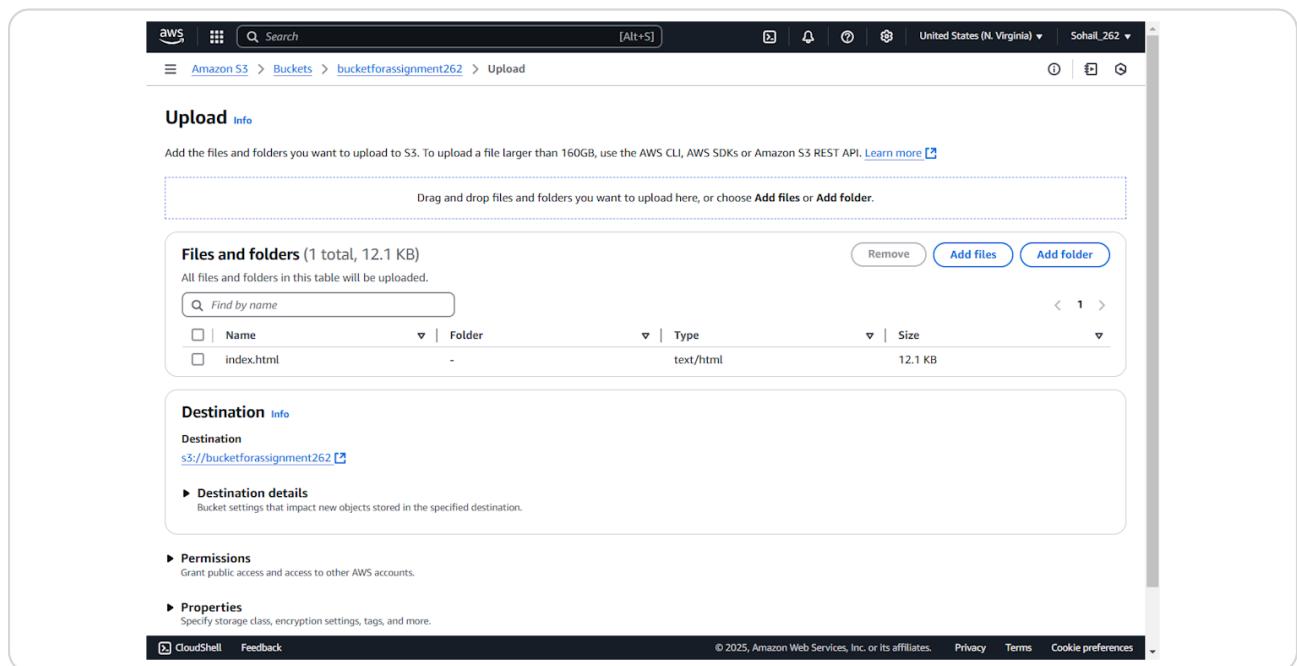
STEP 17

Click on Add files



STEP 18

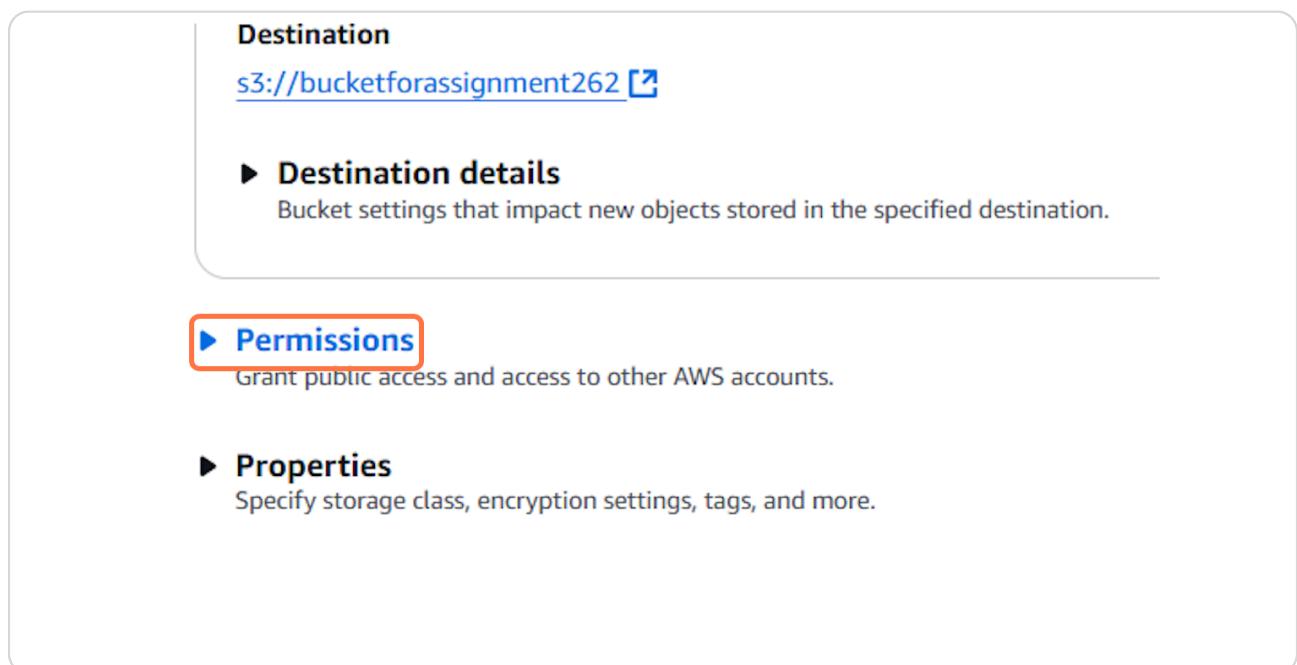
Select a file from upload menu



The screenshot shows the AWS S3 'Upload' interface. At the top, there's a search bar and navigation links for 'Amazon S3 > Buckets > bucketforassignment262 > Upload'. Below the navigation is a section titled 'Upload Info' with a note about uploading files and folders. A large blue dashed box allows users to 'Drag and drop files and folders you want to upload here, or choose Add files or Add folder.' Below this is a table titled 'Files and folders (1 total, 12.1 KB)' showing one item: 'index.html'. There are buttons for 'Remove', 'Add files', and 'Add folder'. Under 'Destination Info', it shows 'Destination' as 's3://bucketforassignment262'. There are sections for 'Destination details' (with a note about bucket settings) and 'Permissions' (with a note about granting public access). At the bottom, there are links for 'CloudShell', 'Feedback', and copyright information.

STEP 19

Click on Permissions



The screenshot shows the 'Destination' configuration for an S3 bucket. It includes a 'Destination' field set to 's3://bucketforassignment262' and a 'Destination details' section describing bucket settings for new objects. Below these, the 'Permissions' section is highlighted with a red box. It contains a note about granting public access and access to other AWS accounts. There is also a 'Properties' section for specifying storage class, encryption settings, and tags.

Select Grant public-read access

- Choose from predefined ACLs
- Specify individual ACL permissions

Predefined ACLs

- Private (recommended)

Only the object owner will have read and write access.

- Grant public-read access

Anyone in the world will be able to access the specified object

⚠️ Granting public-read access is not recommended

Anyone in the world will be able to access the speci

I understand the risk of granting public-read ac

STEP 21

Uncheck I understand the risk of granting public-read access to the specified objects.

Grant public-read access

Anyone in the world will be able to access the specified object:

 **Granting public-read access is not recommended**

Anyone in the world will be able to access the speci



I understand the risk of granting public-read ac

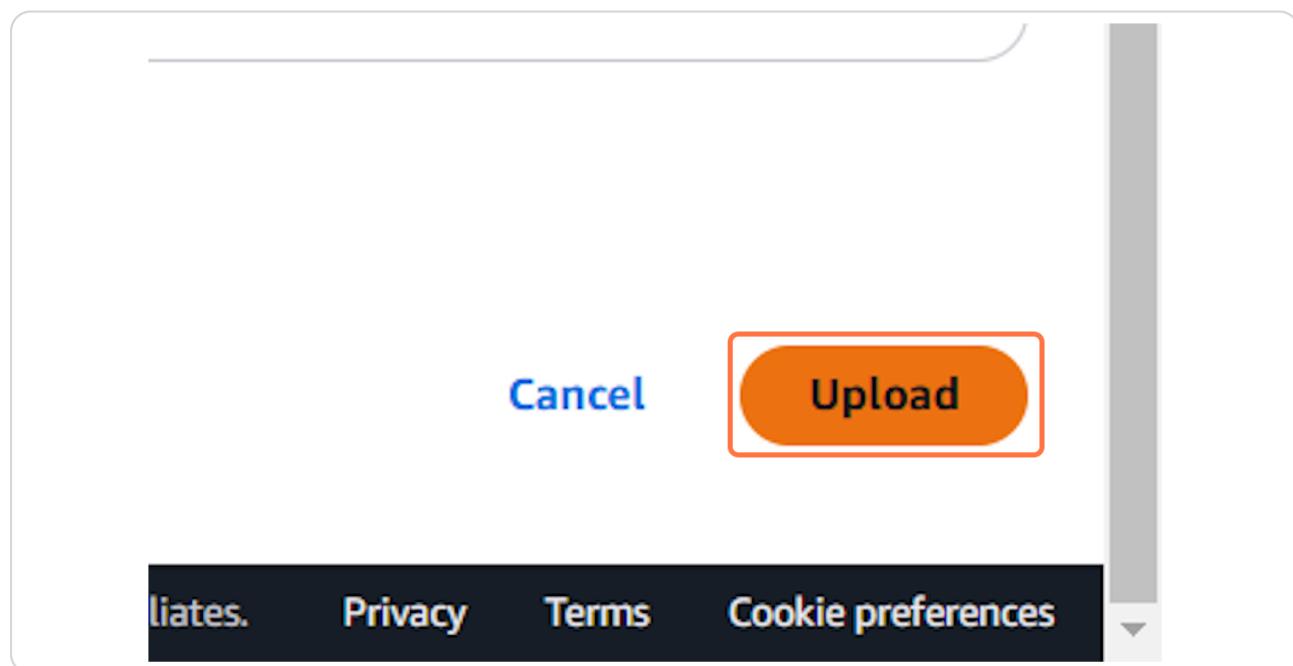


CloudShell

Feedback

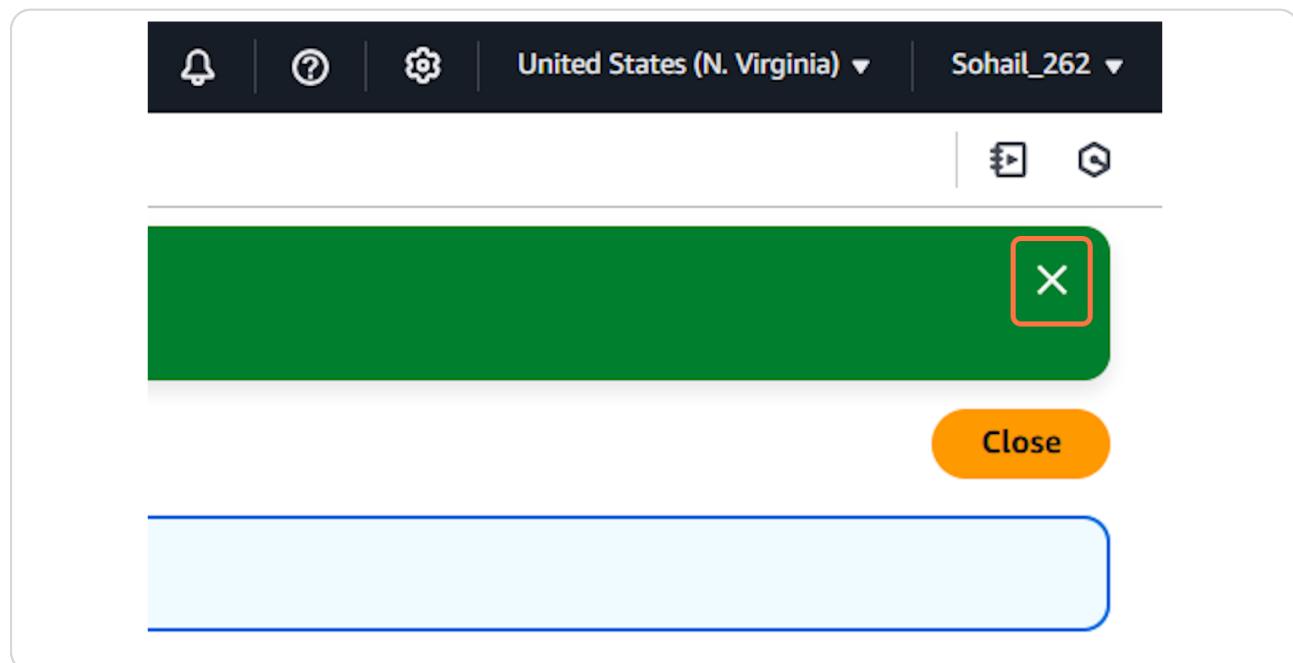
STEP 22

Click on Upload



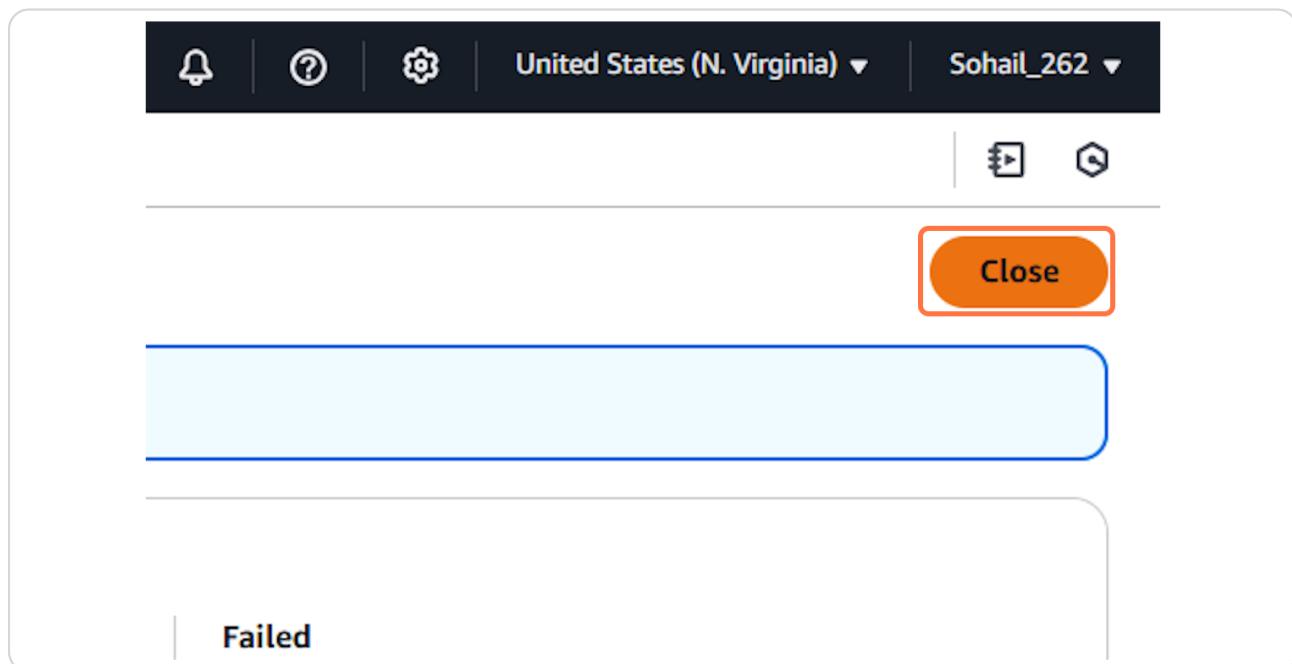
STEP 23

Click on Dismiss notification



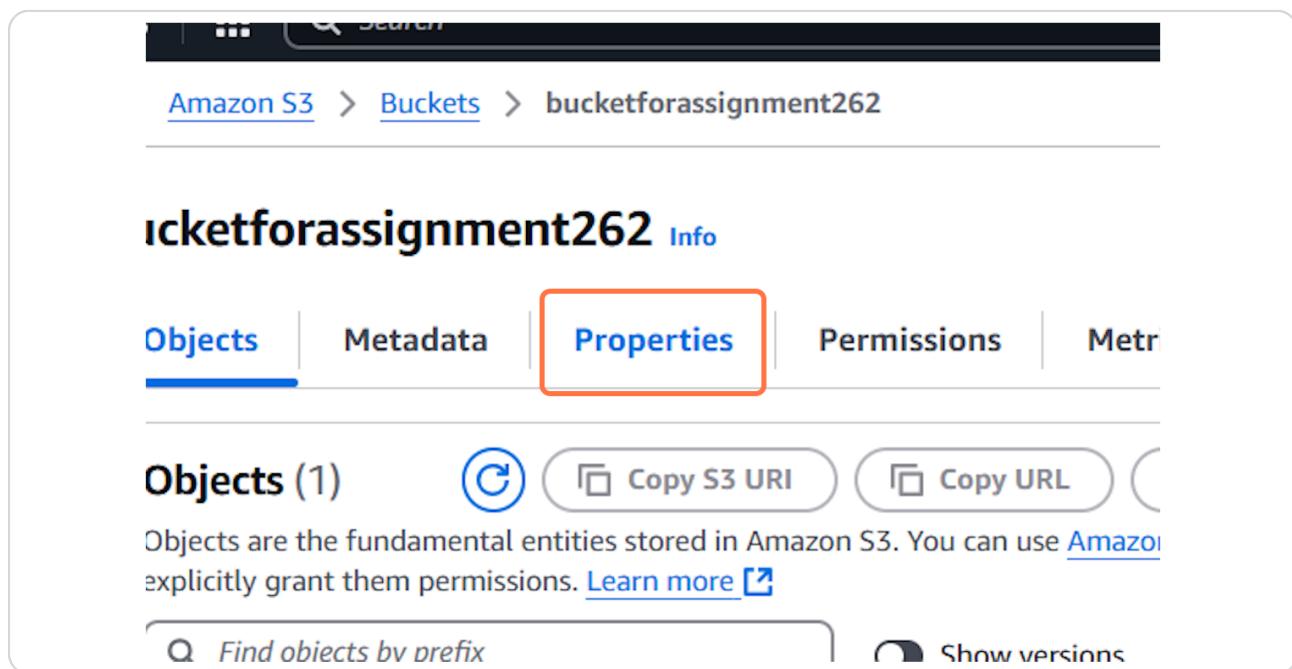
STEP 24

Click on Close



STEP 25

Click on Properties



STEP 26

Click on Objects

Amazon S3 > Buckets > bucketforassignment262

bucketforassignment262 [Info](#)

Objects Metadata **Properties** Permissions

Bucket overview

AWS Region: US East (N. Virginia) us-east-1

STEP 27

Check on

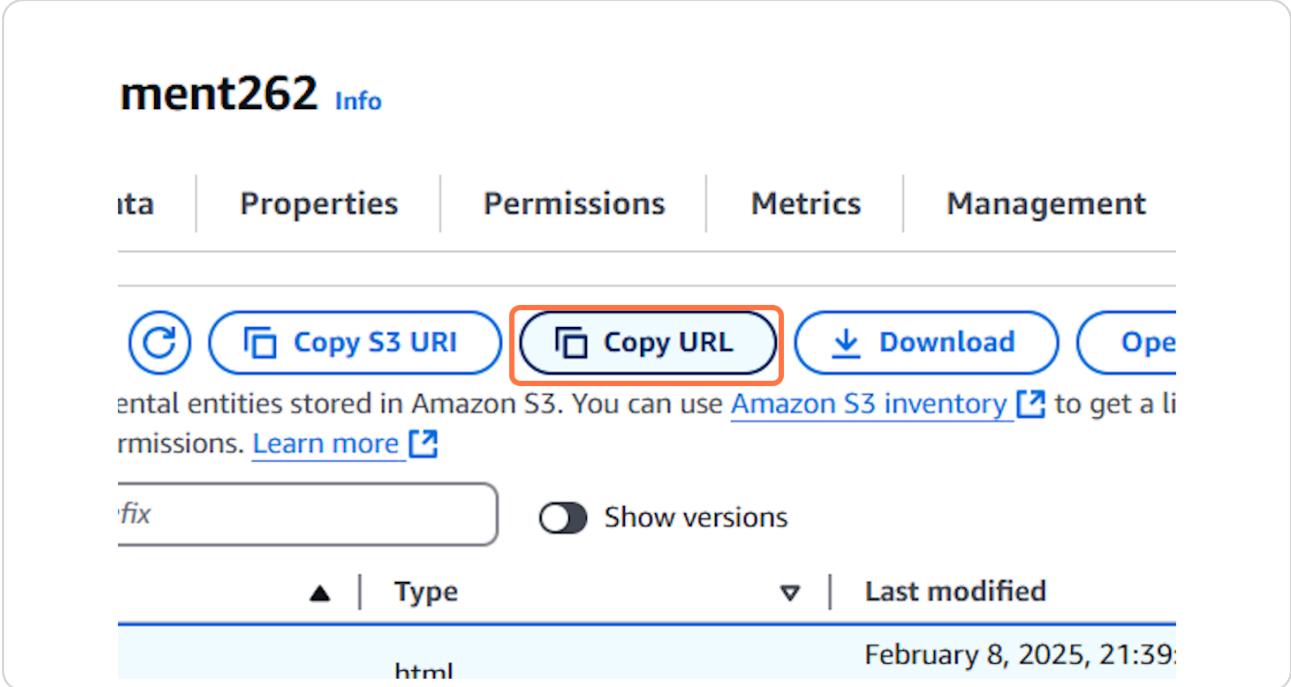
Objects are the fundamental entities stored in Amazon S3. You must explicitly grant them permissions. [Learn more](#)

Find objects by prefix

<input checked="" type="checkbox"/>	Name	Type
<input checked="" type="checkbox"/>	index.html	html

STEP 28

Click on Copy URL



The screenshot shows the AWS S3 console for the 'ment262' bucket. At the top, there are tabs for 'Info', 'Properties', 'Permissions', 'Metrics', and 'Management'. Below the tabs, there are several buttons: 'C' (Create), 'Copy S3 URI', 'Copy URL' (which is highlighted with a red box), 'Download', and 'Open'. A message below the buttons states: 'ental entities stored in Amazon S3. You can use Amazon S3 inventory to get a li' and 'rmissions. Learn more'. There is a search bar with the prefix 'fix' and a 'Show versions' toggle switch. At the bottom, there are filters for 'Type' (set to 'html') and 'Last modified' (set to 'February 8, 2025, 21:39').

Mohammed Sohail - Portfolio

1 Step 

STEP 29

Click on Mohammed Sohail

Mohammed Sohail

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ABOUT ME

As a forward-thinking Computer Science and Data Science student at NMIMS, I merge cutting-edge technical expertise with innovative leadership skills. My focus lies in developing next-generation solutions that bridge the gap between data analytics and practical applications. In my role as Co-Head of the Institute Innovation Council, I drive technological advancement and foster a culture of innovation. My portfolio spans from sophisticated BI dashboards to scalable full-stack applications, always pushing the boundaries of what's possible.

 bucketforassignment262 – S3 bucket | S3 I... 9 Steps 

STEP 30

Click on Properties

The screenshot shows the 'Properties' tab selected in the navigation bar of an Amazon S3 bucket named 'bucketforassignment262'. The 'Properties' tab is highlighted with a red box. Below the navigation bar, there is a section titled 'Objects (1/1)' with a single object listed. To the right of the object are three buttons: 'Copy S3 URI', 'Copy URL', and another partially visible button. Below these buttons is a note about objects being fundamental entities stored in Amazon S3. At the bottom of the screen, there is a search bar labeled 'Find objects by prefix' and a link to 'Show versions'.

STEP 31

Click on Edit

The screenshot shows the 'Edit' button in the top right corner of a Lambda function configuration page, which is highlighted with a red box. Below the 'Edit' button, there is a section with a blue background containing the text 'View your existing' and a button labeled 'Create Amplify app' with a magnifying glass icon. The rest of the page is mostly blank white space.

STEP 32

Select Enable

Static website hosting

Use this bucket to host a website or redirect requests. [Learn](#)

Static website hosting

Disable
 Enable

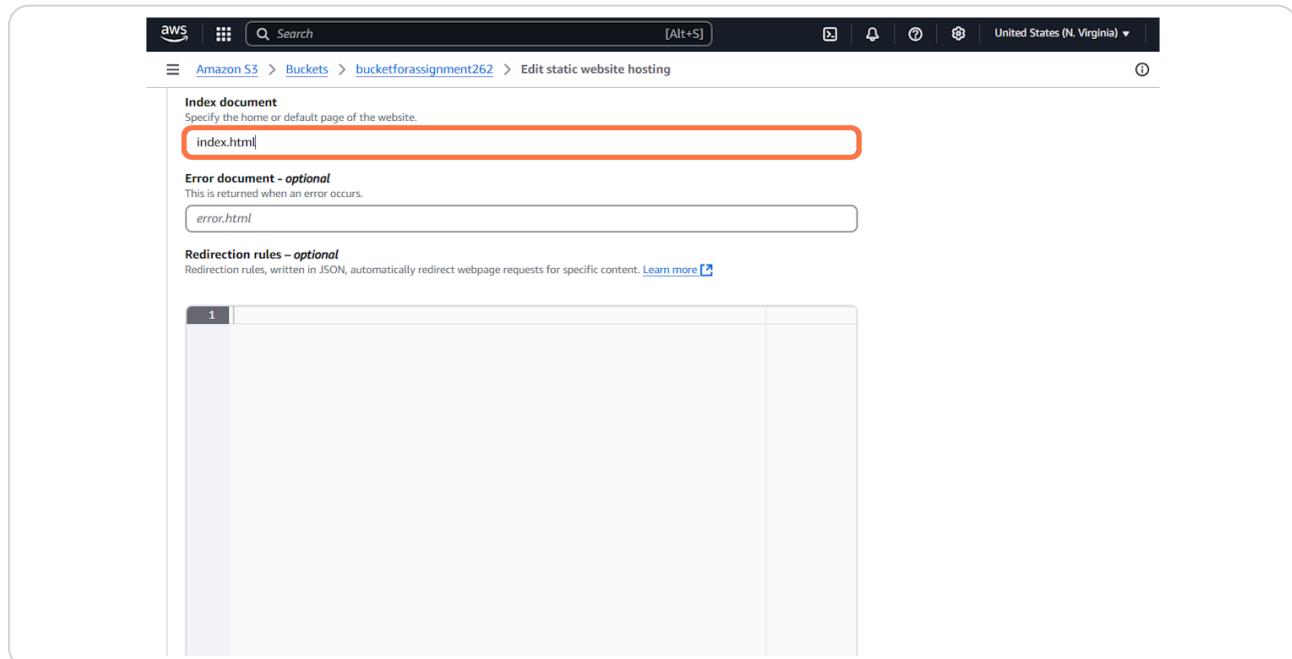
Hosting type

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](#)

STEP 33

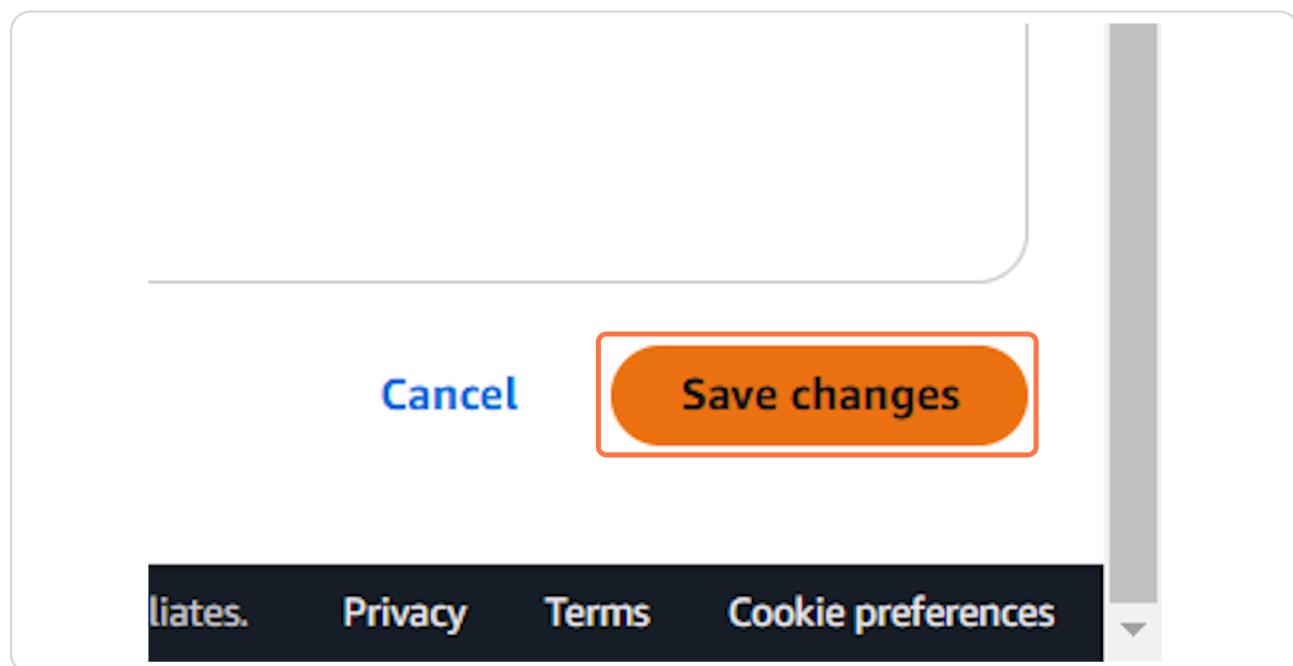
Type "index.html"



The screenshot shows the AWS S3 Bucket Properties page for a bucket named 'bucketforassignment262'. The 'Edit static website hosting' section is open. The 'Index document' field is highlighted with a red border and contains the value 'index.html'. The 'Error document - optional' field contains the value 'error.html'. A large empty text area for 'Redirection rules - optional' is shown below.

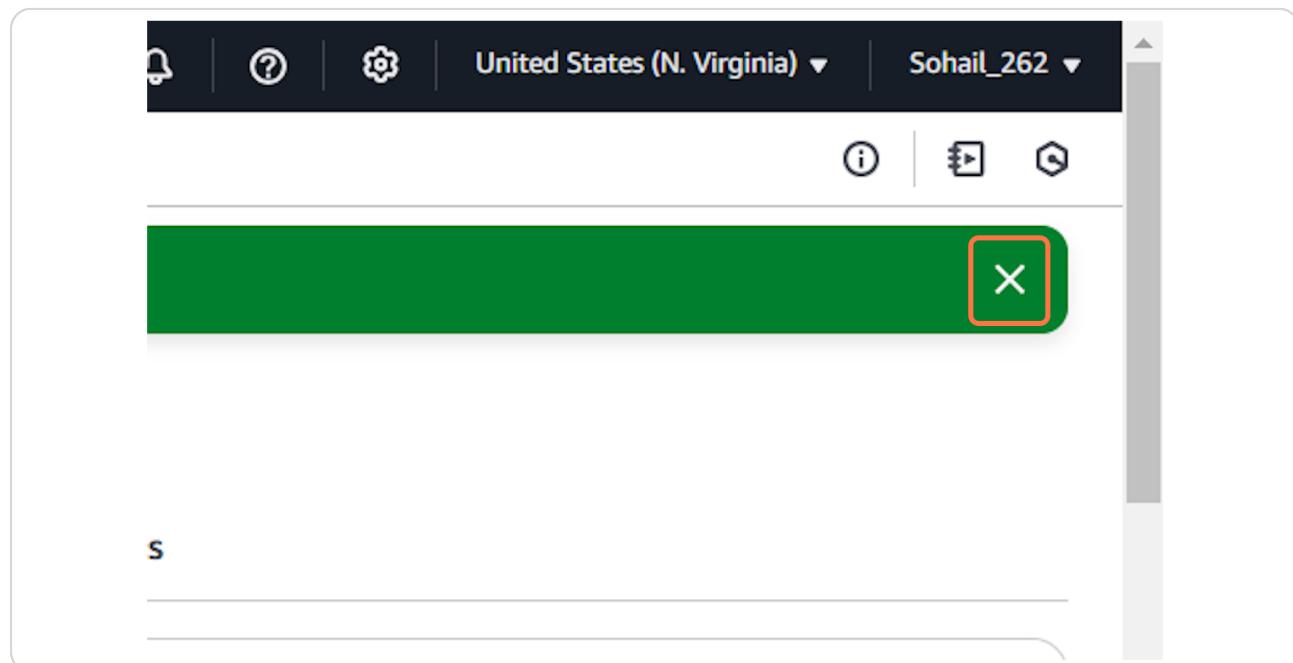
STEP 34

Click on Save changes



STEP 35

Click on Dismiss notification



STEP 36

Click on Objects

Amazon S3 > Buckets > bucketforassignment262

bucketforassignment262 [Info](#)

Objects Metadata **Properties** Permissions

Bucket overview

AWS Region: US East (N. Virginia) us-east-1

STEP 37

Uncheck on

Objects are the fundamental entities stored in Amazon S3. You can explicitly grant them permissions. [Learn more](#)

Find objects by prefix

<input checked="" type="checkbox"/> Name	Type
<input checked="" type="checkbox"/> index.html	html

STEP 38

Click on Copy URL

The screenshot shows the AWS S3 console for an object named 'ment262'. At the top, there are tabs for 'Properties', 'Permissions', 'Metrics', and 'Management'. Below the tabs, there are several actions: 'Copy S3 URI', 'Copy URL' (which is highlighted with a red box), 'Download', and 'Open'. A note below these actions states: 'ental entities stored in Amazon S3. You can use Amazon S3 inventory to get a li' and 'rmissions. Learn more'. There is a search bar containing 'fix' and a 'Show versions' toggle switch. At the bottom, there are filters for 'Type' (set to 'html') and 'Last modified' (set to 'February 8, 2025, 21:39').

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