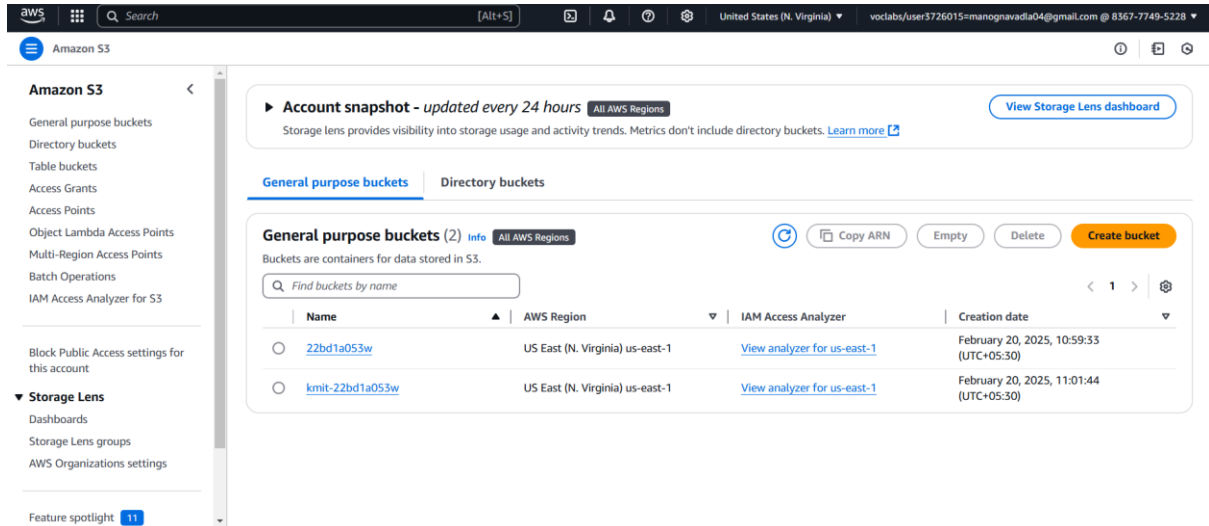


S3: VERSIONING

Navigate to the AWS S3 dashboard



Amazon S3

General purpose buckets

Directory buckets

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Multi-Region Access Points

Batch Operations

IAM Access Analyzer for S3

Block Public Access settings for this account

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Feature spotlight

Account snapshot - updated every 24 hours

Storage lens provides visibility into storage usage and activity trends. Metrics don't include directory buckets. [Learn more](#)

View Storage Lens dashboard

General purpose buckets

Directory buckets

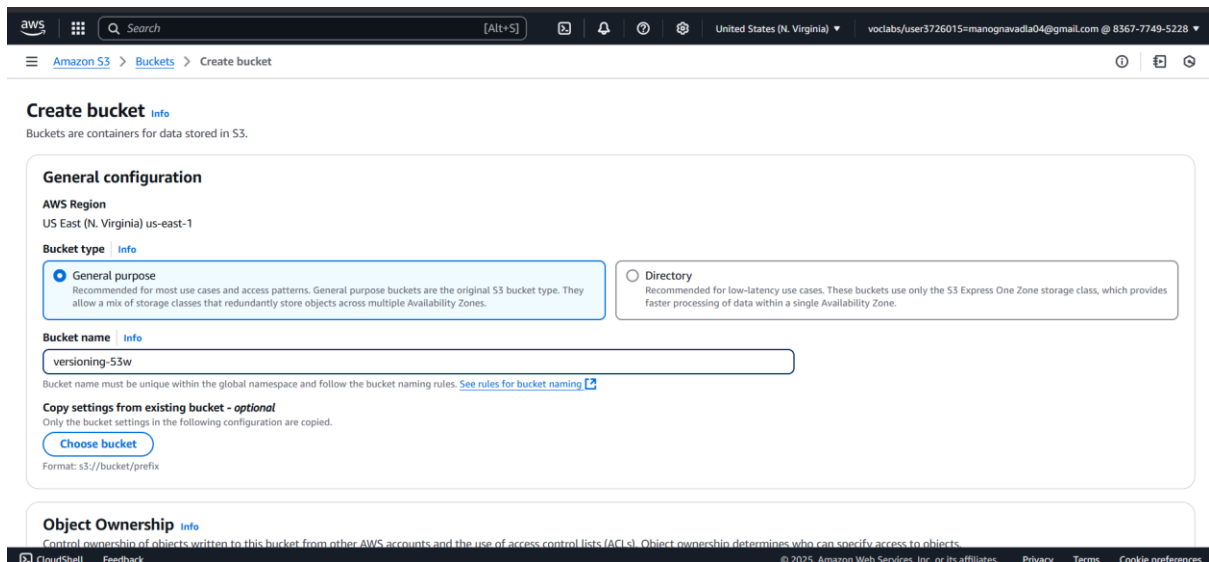
General purpose buckets (2)

Buckets are containers for data stored in S3.

Find buckets by name

Name	AWS Region	IAM Access Analyzer	Creation date
22bd1a053w	US East (N. Virginia) us-east-1	View analyzer for us-east-1	February 20, 2025, 10:59:33 (UTC+05:30)
kmit-22bd1a053w	US East (N. Virginia) us-east-1	View analyzer for us-east-1	February 20, 2025, 11:01:44 (UTC+05:30)

Create a bucket



Amazon S3 > Buckets > Create bucket

Create bucket

Buckets are containers for data stored in S3.

General configuration

AWS Region

US East (N. Virginia) us-east-1

Bucket type

General purpose

Recommended for most use cases and access patterns. General purpose buckets are the original S3 bucket type. They allow a mix of storage classes that redundantly store objects across multiple Availability Zones.

Directory

Recommended for low-latency use cases. These buckets use only the S3 Express One Zone storage class, which provides faster processing of data within a single Availability Zone.

Bucket name

versioning-53w

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

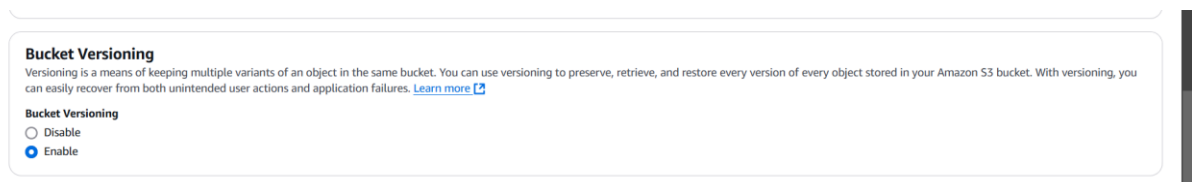
Format: s3://bucket/prefix

Object Ownership

Control ownership of objects written to this bucket from other AWS accounts and the use of access control lists (ACLs). Object ownership determines who can specify access to objects.

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Enable bucket versioning



Bucket Versioning

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](#)

Bucket Versioning

Disable

Enable

Upload the same object multiple times

aws

Search

[Alt+S]

United States (N. Virginia)

voclabs/user3726015=manognavadla04@gmail.com @ 8367-7749-5228

Uploading

100%

Total remaining: 1 file: 0 B (0%)

Estimated time remaining: a few seconds

Transfer rate: 852.3 KB/s

Cancel

Summary

Destination

s3://versioning-53w

Succeeded

0 files, 5.7 MB (100.00%)

Failed

0 files, 0 B (0%)

Files and folders

Configuration

Files and folders (1 total, 5.7 MB)

Find by name

Name	Folder	Type	Size	Status	Error
DSC_0002.JPG	-	image/jpeg	5.7 MB	In progress (100%)	-

Now go to the object and click on show version

aws

Search

[Alt+S]

United States (N. Virginia)

voclabs/user3726015=manognavadla04@gmail.com @ 8367-7749-5228

Amazon S3

Buckets

versioning-53w

versioning-53w

Info

Objects

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Permissions

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Objects (3)

Copy S3 URI

Copy URL

Download

Open

Delete

Actions

Create folder

Upload

Find objects by prefix

Show versions

	Name	Type	Version ID	Last modified	Size	Storage class
<input type="checkbox"/>	DSC_0002.JPG	JPG	jKMsRrw7uqlrBRqQ91rOKgDuqdzq6Jgx	February 27, 2025, 09:56:01 (UTC+05:30)	5.7 MB	Standard
<input type="checkbox"/>	DSC_0002.JPG	JPG	Tnacq9mwvW.N2Ku7V5lva.1uq1Dx3iPN	February 27, 2025, 09:55:33 (UTC+05:30)	5.7 MB	Standard
<input type="checkbox"/>	DSC_0002.JPG	JPG	6mMXz5L0R33A_xzs70i12VM8gR0RFXEe	February 27, 2025, 09:54:59 (UTC+05:30)	5.7 MB	Standard

CloudShell

Feedback

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Delete the object after turning off show version

Successfully deleted objects

View details below.

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

Summary

Source

Successfully deleted

Failed to delete

Here we are shown ‘delete marker’ when we click on show versions again

Amazon S3 > Buckets > versioning-53w

versioning-53w

info

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Objects (4)

Copy S3 URI

Copy URL

Download

Open

Delete

Actions

Create folder

Upload

Find objects by prefix

Show versions

<input type="checkbox"/>	Name	Type	Version ID	Last modified	Size	Storage class
<input type="checkbox"/>	DSC_0002.JPG	Delete marker	4EpbA3DCMfqgKKwskLziBculM3M3ayV_	February 27, 2025, 09:57:55 (UTC+05:30)	0 B	-
<input type="checkbox"/>	DSC_0002.JPG	JPG	JKMsRnw7uqlrBRqQ91rOKg0uqdzq6Jgx	February 27, 2025, 09:56:01 (UTC+05:30)	5.7 MB	Standard
<input type="checkbox"/>	DSC_0002.JPG	JPG	Tnacq9mrvwW.N2Ku7V5lva.1uq1Dx3rPN	February 27, 2025, 09:55:33 (UTC+05:30)	5.7 MB	Standard
<input type="checkbox"/>	DSC_0002.JPG	JPG	6mMXzSLOR33A_xzs70i12VM8gRORFXEe	February 27, 2025, 09:54:59 (UTC+05:30)	5.7 MB	Standard

CloudShell

Feedback

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Delete the object with type Delete marker, the version is deleted

versioning-53w

info

Objects

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Objects (3)

Copy S3 URI

Copy URL

Download

Open

Delete

Actions

Create folder

Upload

Find objects by prefix

Show versions

<input type="checkbox"/>	Name	Type	Version ID	Last modified	Size	Storage class
<input type="checkbox"/>	DSC_0002.JPG	JPG	JKMsRnw7uqlrBRqQ91rOKg0uqdzq6Jgx	February 27, 2025, 09:56:01 (UTC+05:30)	5.7 MB	Standard
<input type="checkbox"/>	DSC_0002.JPG	JPG	Tnacq9mrvwW.N2Ku7V5lva.1uq1Dx3rPN	February 27, 2025, 09:55:33 (UTC+05:30)	5.7 MB	Standard
<input type="checkbox"/>	DSC_0002.JPG	JPG	6mMXzSLOR33A_xzs70i12VM8gRORFXEe	February 27, 2025, 09:54:59 (UTC+05:30)	5.7 MB	Standard

CROSS REGION REPLICATION

Create 2 buckets in different locations

General purpose buckets (3) Info All AWS Regions

Copy ARN

Empty

Delete

Create bucket

Buckets are containers for data stored in S3.

Find buckets by name

< 1 >

Name	AWS Region	IAM Access Analyzer	Creation date
<div><div></div>crr-53w</div>	US West (Oregon) us-west-2	View analyzer for us-west-2	February 27, 2025, 10:07:51 (UTC+05:30)
<div><div></div>kmit-22bd1a053w</div>	US East (N. Virginia) us-east-1	View analyzer for us-east-1	February 20, 2025, 11:01:44 (UTC+05:30)
<div><div></div>versioning-53w</div>	US East (N. Virginia) us-east-1	View analyzer for us-east-1	February 27, 2025, 09:53:38 (UTC+05:30)

Check if the versioning is enabled in both the buckets by going to properties

Amazon S3 > Buckets > crr-53w

Amazon S3

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Feature spotlight 11

crr-53w Info

ObjectsMetadataPropertiesPermissionsMetricsManagementAccess Points

Bucket overview

AWS Region

US West (Oregon) us-west-2

Amazon Resource Name (ARN)

arn:aws:s3::crr-53w

Creation date

February 27, 2025, 10:07:51 (UTC+05:30)

Bucket Versioning

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

Bucket Versioning

Enabled

Multi-factor authentication (MFA) delete

An additional layer of security that requires multi-factor authentication for changing Bucket Versioning settings and permanently deleting object versions. To modify MFA delete settings, use the AWS CLI, AWS SDK, or the Amazon S3 REST API. Learn more

Disabled

Tags (0)

Edit

Amazon S3 > Buckets > versioning-53w

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Feature spotlight 11

versioning-53w Info

ObjectsMetadataPropertiesPermissionsMetricsManagementAccess Points

Bucket overview

AWS Region

US East (N. Virginia) us-east-1

Amazon Resource Name (ARN)

arn:aws:s3::versioning-53w

Creation date

February 27, 2025, 09:53:38 (UTC+05:30)

Bucket Versioning

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

Bucket Versioning

Enabled

Multi-factor authentication (MFA) delete

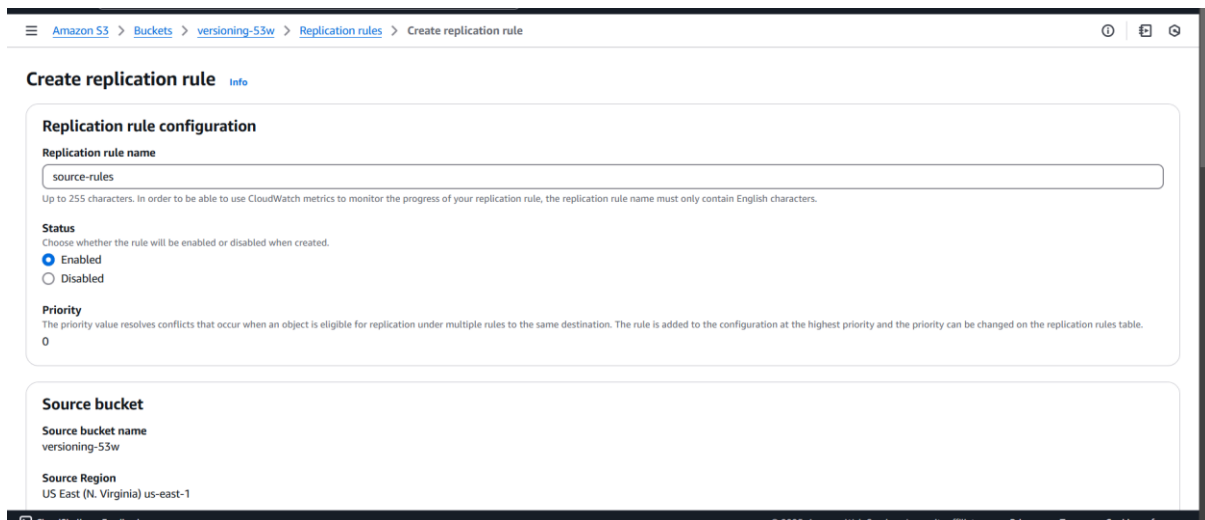
An additional layer of security that requires multi-factor authentication for changing Bucket Versioning settings and permanently deleting object versions. To modify MFA delete settings, use the AWS CLI, AWS SDK, or the Amazon S3 REST API. Learn more

Disabled

Tags (0)

Edit

Choose one bucket as a source bucket. Go to the management tab, in replication rules, create a replication rule. Add a rule name, status should be enabled, rule scope must be applied to all objects in the bucket.



Amazon S3 > Buckets > versioning-53w > Replication rules > Create replication rule

Create replication rule [Info](#)

Replication rule configuration

Replication rule name

source-rules

Up to 255 characters. In order to be able to use CloudWatch metrics to monitor the progress of your replication rule, the replication rule name must only contain English characters.

Status

Choose whether the rule will be enabled or disabled when created.

☒ Enabled

☐ Disabled

Priority

The priority value resolves conflicts that occur when an object is eligible for replication under multiple rules to the same destination. The rule is added to the configuration at the highest priority and the priority can be changed on the replication rules table.

0

Source bucket

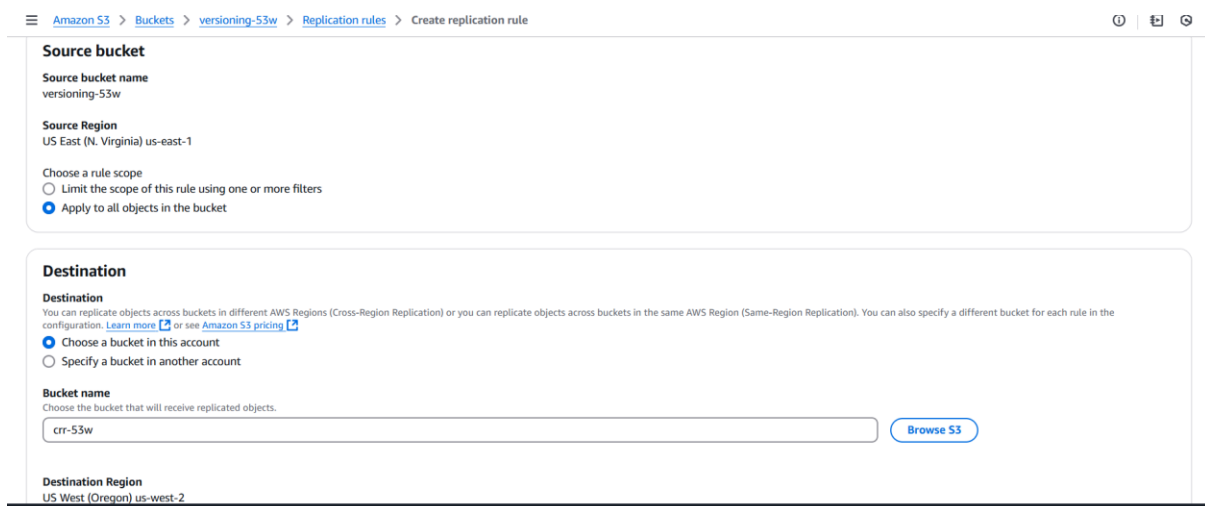
Source bucket name

versioning-53w

Source Region

US East (N. Virginia) us-east-1

Choose the destination



Amazon S3 > Buckets > versioning-53w > Replication rules > Create replication rule

Source bucket

Source bucket name

versioning-53w

Source Region

US East (N. Virginia) us-east-1

Choose a rule scope

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

☒ Apply to all objects in the bucket

Destination

Destination

You can replicate objects across buckets in different AWS Regions (Cross-Region Replication) or you can replicate objects across buckets in the same AWS Region (Same-Region Replication). You can also specify a different bucket for each rule in the configuration. [Learn more](#) or see [Amazon S3 pricing](#)

☒ Choose a bucket in this account

☐ Specify a bucket in another account

Bucket name

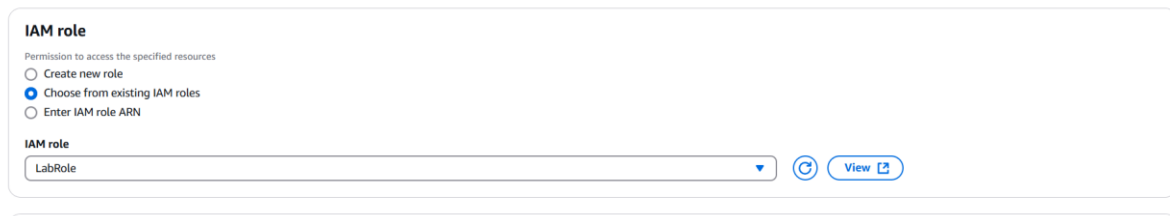
Choose the bucket that will receive replicated objects.

crr-53w [Browse S3](#)

Destination Region

US West (Oregon) us-west-2

For IAM choose labrole and save



IAM role

Permission to access the specified resources

☐ Create new role

☒ Choose from existing IAM roles

☐ Enter IAM role ARN

IAM role

LabRole [View](#)

Replicate existing objects

Replicate existing objects?

You can enable a one-time Batch Operations job from this replication configuration to replicate objects that already exist in the bucket and to synchronize the source and destination buckets. [Learn more](#) or [see pricing](#)

Existing objects

☐ No, do not replicate existing objects.

☒ Yes, replicate existing objects.

[Cancel](#) [Submit](#)

This will take you to “Create Batch Operations Job.” Configure settings: do not generate a completion report, and select the IAM role same as before: “LabRole”.

Amazon S3 > Buckets > versioning-S3w > Replication rules > Create Batch Operations job

☒ Automatically run the job when it's ready
When selected, the job automatically runs without waiting for you to start it.

☐ Wait to run the job when it's ready
Recommended if you want to review the manifest or job details before running the job.

Completion report

Generate a CSV completion report that lists your target objects, task success or error codes, outputs, and descriptions. Completion reports are encrypted using SSE-S3. [Learn more](#)

☐ Generate completion report

Permissions

Choose an IAM role with the [required access permissions and trust relationships](#). An IAM role policy template based on your job configuration, and the IAM trust policy required for batch operations to assume the IAM role are available below. [Learn more about IAM roles](#)

► View IAM role policy template and IAM trust policy

Permission to access the specified resources

☐ Create new role

☒ Choose from existing IAM roles

☐ Enter IAM role ARN

IAM role

LabRole [View](#)

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

Now, go to the source bucket, and upload an object to it.

Upload succeeded

For more information, see the Files and folders table.

Close

Upload: status

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

Summary

Destination

s3://versioning-53w

Succeeded

1 file, 5.7 MB (100.00%)

Failed

0 files, 0 B (0%)

Files and folders

Configuration

Files and folders (1 total, 5.7 MB)

Find by name

Name	Folder	Type	Size	Status	Error
DSC_0001.JPG	-	image/jpeg	5.7 MB	Succeeded	-

CloudShell

Feedback

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Go to the destination bucket, and check if the object is uploaded there.

crr-53w

info

Objects

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Objects (1)

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](#)

Find objects by prefix

Show versions

Name	Type	Last modified	Size	Storage class
DSC_0001.JPG	JPG	February 27, 2025, 10:22:57 (UTC+05:30)	5.7 MB	Standard

Go to properties tab of the bucket, scroll to Static website hosting, Select Enable and choose the file (restaurant.html)

The screenshot shows the 'Edit static website hosting' page for the bucket 'staticbucket-53w'. The page has a breadcrumb trail: 'Amazon S3 > Buckets > staticbucket-53w > Edit static website hosting'. The main heading is 'Edit static website hosting' with an 'info' icon. Below this, the 'Static website hosting' section is active, showing 'Use this bucket to host a website or redirect requests.' and a 'Learn more' link. Under 'Static website hosting', the 'Enable' radio button is selected. The 'Hosting type' section shows 'Host a static website' selected, with a note to 'Use the bucket endpoint as the web address.' and a 'Learn more' link. A blue information box states: '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'. The 'Index document' field contains 'index.html'. The 'Error document - optional' field is empty.

Set up bucket policy to allow public read access by going to the permissions tab, Click on Bucket Policy and add the policy

The screenshot shows the 'Edit bucket policy' page for the bucket 'staticbucket-53w'. The breadcrumb trail is 'Amazon S3 > Buckets > staticbucket-53w > Edit bucket policy'. The main heading is 'Bucket policy'. Below it, a note states: 'The bucket policy, written in JSON, provides access to the objects stored in the bucket. Bucket policies don't apply to objects owned by other accounts. Learn more'. There are links for 'Policy examples' and 'Policy generator'. The 'Bucket ARN' is 'arn:aws:s3::staticbucket-53w'. The 'Policy' section shows a JSON policy with a single statement allowing public read access. The JSON is:

```
1 {
2   "Version": "2012-10-17",
3   "Statement": [
4     {
5       "Sid": "PublicReadGetObject",
6       "Effect": "Allow",
7       "Principal": "*",
8       "Action": "s3:GetObject",
9       "Resource": "arn:aws:s3:::staticbucket-53w/*"
10    }
11  ]
12 }
13
```

 To the right, the 'Edit statement' section is visible, showing 'Select a statement' and an 'Add new statement' button. A green success message at the bottom reads: 'Successfully edited bucket policy.' Below this, the bucket name 'staticbucket-53w' is displayed with an 'info' icon.

Go to properties tab, and under static website hosting, there will be the website endpoint.

Static website hosting

Edit

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

We recommend using AWS Amplify Hosting for static website hosting

Deploy a fast, secure, and reliable website quickly with AWS Amplify Hosting. [Learn more about Amplify Hosting](#) or [View your existing Amplify apps](#)

Create Amplify app

S3 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://staticbucket-53w.s3-website-us-west-2.amazonaws.com>

Open that URL in a browser to check if your website is accessible.

Telusko

Home Menu Contact Us Directions

Telusko

Our Specialties

Tandoori Paneer Tikka

Butter Chicken

Hyderabadi Biryani

Masala Dosa

Gulab Jamun

Menu

Dish Name	Description	Price	Action
Paneer Butter Masala	₹250	Cottage cheese cooked in a rich tomato-based gravy with butter and cream	<div><div></div><div></div></div>
Chicken Biryani	₹300	Fragrant basmati rice cooked with tender chicken and aromatic spices	<div><div></div><div></div></div>
Dal Tadka	₹180	Yellow lentils tempered with ghee, cumin, and garlic	<div><div></div><div></div></div>

Upload an error.html file to the bucket.

Objects (2)

Copy S3 URI

Copy URL

Download

Open

Delete

Actions

Create folder

Upload

Find objects by prefix

<input type="checkbox"/>	Name	Type	Last modified	Size	Storage class
<input type="checkbox"/>	error.html	html	February 27, 2025, 11:01:39 (UTC+05:30)	250.0 B	Standard
<input type="checkbox"/>	restaurant.html	html	February 27, 2025, 10:39:31 (UTC+05:30)	5.5 KB	Standard

Update the static webhosting setting

Amazon S3 > Buckets > staticbucket-53w > Edit static website hosting

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](#)

Index document

Specify the home or default page of the website.

restaurant.html

Error document - optional

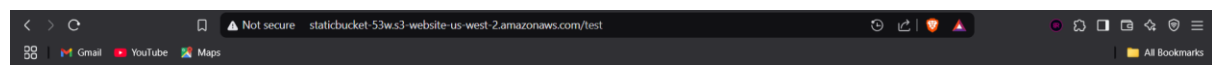
This is returned when an error occurs.

error.html

Redirection rules - optional

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

Now try accessing a non-existent page in your website



Now, delete restaurant.html from the bucket.

AWS | Search | [Alt+S] | United States (Oregon) | voclabs/user3726015=manognavdia04@gmail.com @ 8367-7749-5228

Amazon S3 > Buckets > staticbucket-53w > Delete objects

Delete objects [Info](#)

⚠ If a folder is selected for deletion, all objects in the folder will be deleted, and any new objects added while the delete action is in progress might also be deleted. If an object is selected for deletion, any new objects with the same name that are uploaded before the delete action is completed will also be deleted.

- Deleting the specified objects can't be undone.

[Learn more](#)

Specified objects

Find objects by name

Name	Type	Last modified	Size
restaurant.html	html	February 27, 2025, 10:39:31 (UTC+05:30)	5.5 KB

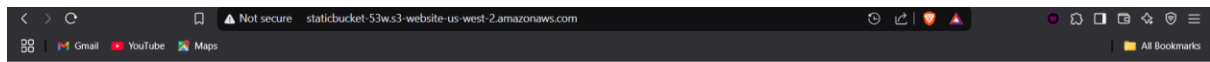
Permanently delete objects?

To confirm deletion, type *permanently delete* in the text input field.

permanently delete

[Cancel](#) [Delete objects](#)

Test the website, there should be the error.html file displayed.



OOPS! SOMETHING WENT WRONG