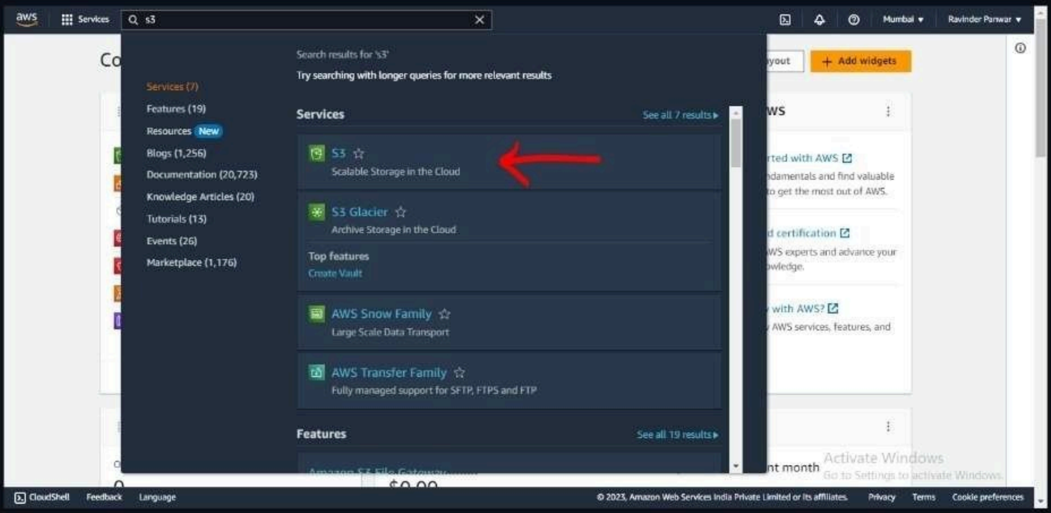
Step-by-Step method to store static websites in an S3 bucket.

S3 is best for storing static files. Static contents are managed by S3.

Step 1 Search and click open S3.



Search results for 's3'

Try searching with longer queries for more relevant results

S3 — Scalable Storage in the Cloud

S3 Glacier — Archive Storage in the Cloud

AWS Snow Family — Large Scale Data Transport

AWS Transfer Family — Fully managed support for SFTP, FTPS and FTP

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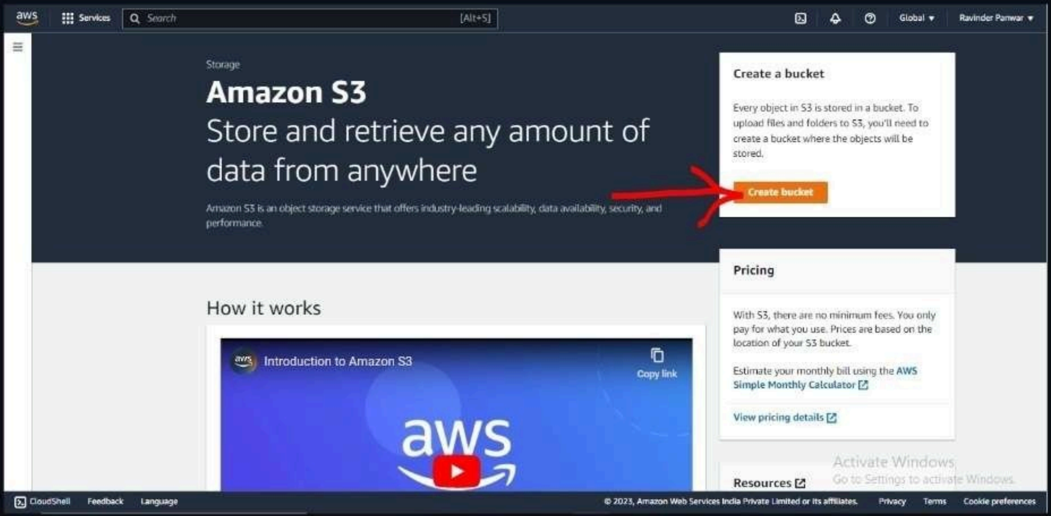
Step 2 Create a new bucket.



Storage

Amazon S3

Store and retrieve any amount of data from anywhere

Amazon S3 is an object storage service that offers industry-leading scalability, data availability, security, and performance.

Create a bucket

Every object in S3 is stored in a bucket. To upload files and folders to S3, you'll need to create a bucket where the objects will be stored.

Pricing

With S3, there are no minimum fees. You only pay for what you use. Prices are based on the location of your S3 bucket.

Estimate your monthly bill using the AWS Simple Monthly Calculator

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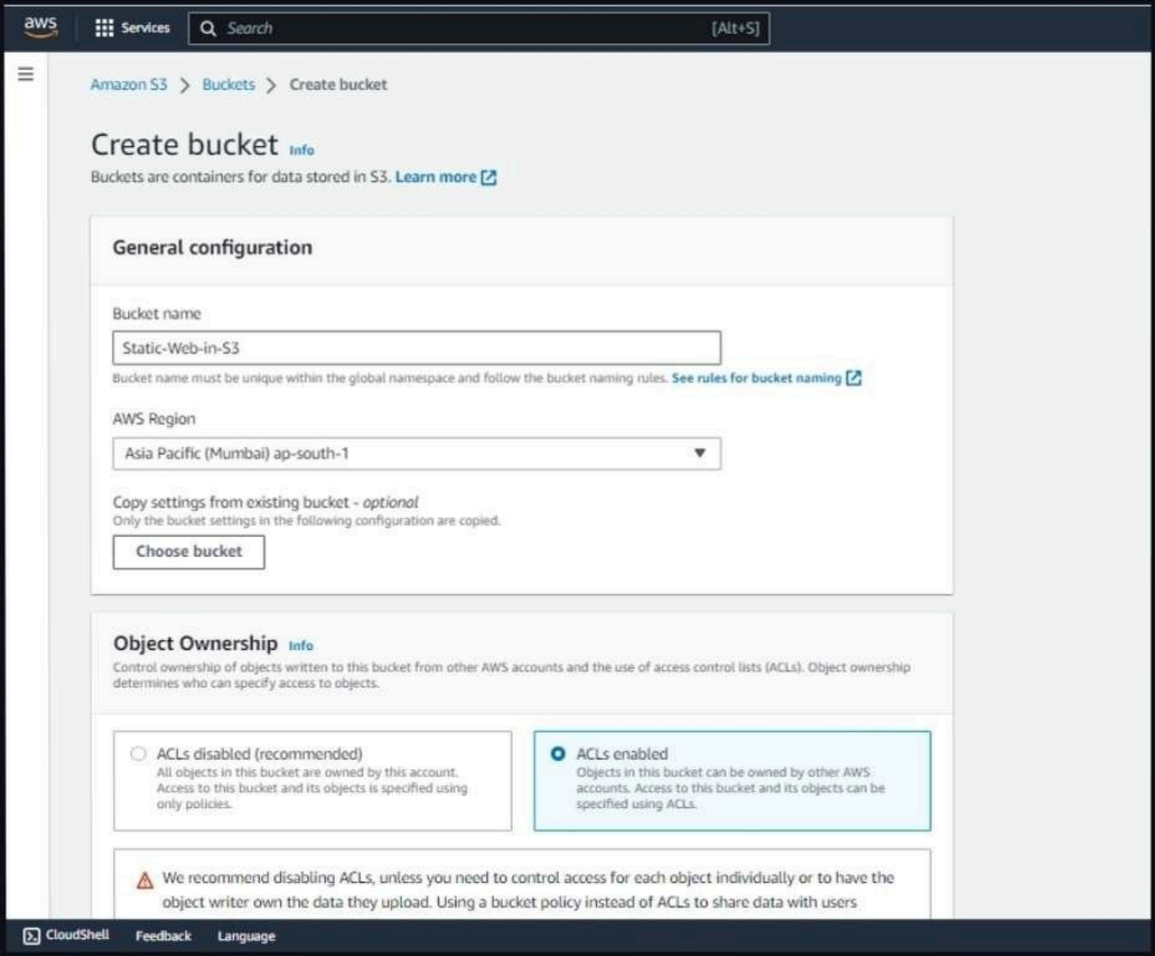
Step 3 Configure the name, region, and other settings according to your need. Note: Bucket name must be in lowercase.



Create bucket Info

Buckets are containers for data stored in S3. Learn more

General configuration

Bucket name

Static-Web-in-S3

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

AWS Region

Asia Pacific (Mumbai) ap-south-1 ▼

Copy settings from existing bucket - *optional*

Only the bucket settings in the following configuration are copied.

Choose bucket

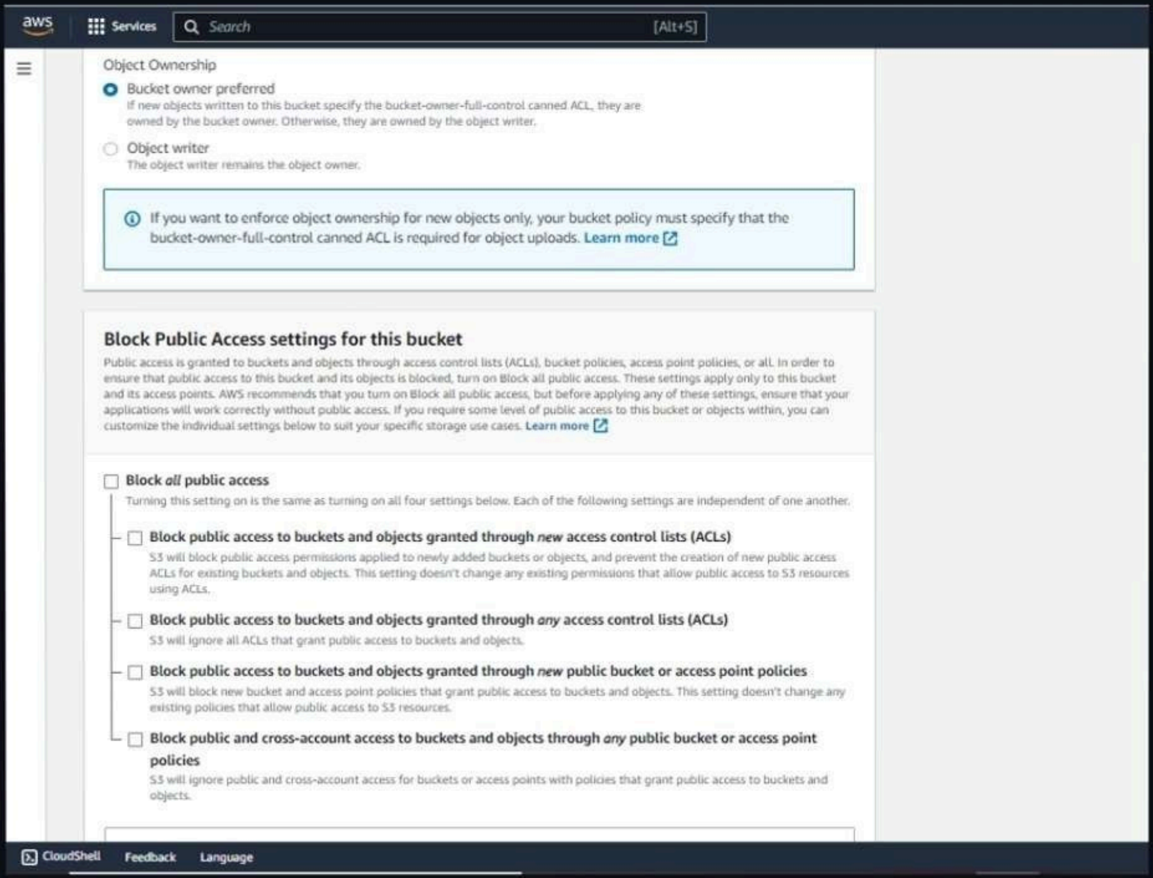
Object Ownership Info

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.

○ ACLs disabled (recommended)
All objects in this bucket are owned by this account. Access to this bucket and its objects is specified using only policies.

● ACLs enabled
Objects in this bucket can be owned by other AWS accounts. Access to this bucket and its objects can be specified using ACLs.

⚠ 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 instead of ACLs to share data with users



Object Ownership

● Bucket owner preferred
If new objects written to this bucket specify the bucket-owner-full-control canned ACL, they are owned by the bucket owner. Otherwise, they are owned by the object writer.

○ Object writer
The object writer remains the object owner.

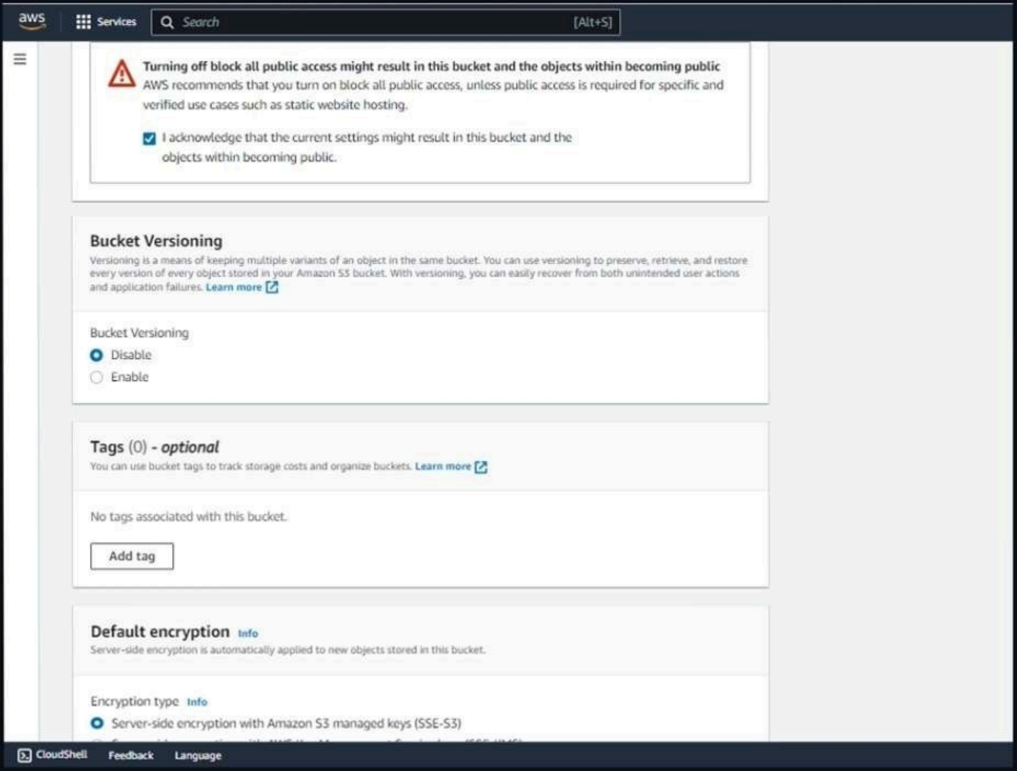
ⓘ If you want to enforce object ownership for new objects only, your bucket policy must specify that the bucket-owner-full-control canned ACL is required for object uploads. Learn more

Block Public Access settings for this bucket

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access to this bucket and its objects is blocked, turn on Block all public access. These settings apply only to this bucket and its access points. AWS recommends that you turn on Block all public access, but before applying any of these settings, ensure that your applications will work correctly without public access. If you require some level of public access to this bucket or objects within, you can customize the individual settings below to suit your specific storage use cases. Learn more

☐ **Block *all* public access**
Turning this setting on is the same as turning on all four settings below. Each of the following settings are independent of one another.

- ☐ **Block public access to buckets and objects granted through *new* access control lists (ACLs)**
  S3 will block public access permissions applied to newly added buckets or objects, and prevent the creation of new public access ACLs for existing buckets and objects. This setting doesn't change any existing permissions that allow public access to S3 resources using ACLs.
- ☐ **Block public access to buckets and objects granted through *any* access control lists (ACLs)**
  S3 will ignore all ACLs that grant public access to buckets and objects.
- ☐ **Block public access to buckets and objects granted through *new* public bucket or access point policies**
  S3 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change any existing policies that allow public access to S3 resources.
- ☐ **Block public and cross-account access to buckets and objects through *any* public bucket or access point policies**
  S3 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.



Turning off block all public access might result in this bucket and the objects within becoming public
AWS recommends that you turn on block all public access, unless public access is required for specific and verified use cases such as static website hosting.

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

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

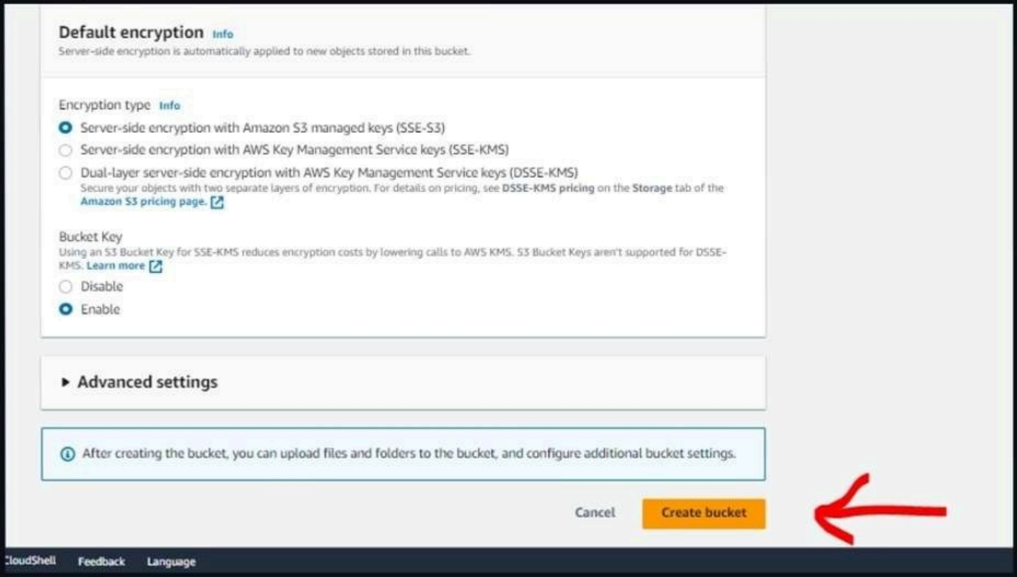
Tags (0) - ***optional***
You can use bucket tags to track storage costs and organize buckets. Learn more

No tags associated with this bucket.

Default encryption Info
Server-side encryption is automatically applied to new objects stored in this bucket.

Encryption type Info
● Server-side encryption with Amazon S3 managed keys (SSE-S3)

Step 4 Click on "Create bucket".



Default encryption Info
Server-side encryption is automatically applied to new objects stored in this bucket.

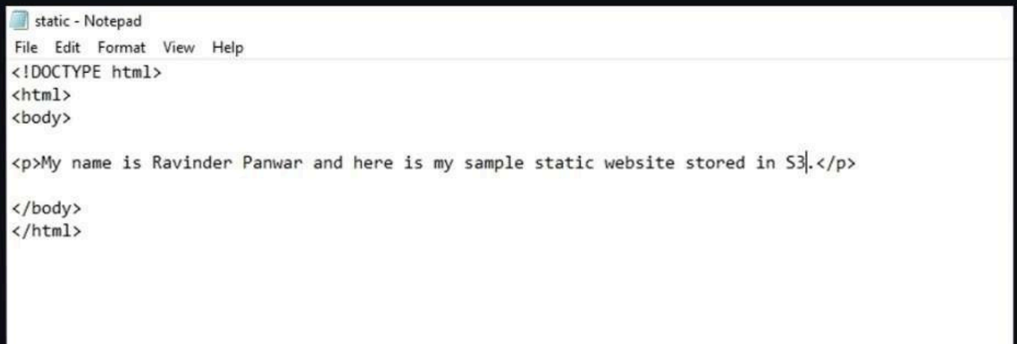
Encryption type Info
● Server-side encryption with Amazon S3 managed keys (SSE-S3)
○ Server-side encryption with AWS Key Management Service keys (SSE-KMS)
○ Dual-layer server-side encryption with AWS Key Management Service keys (DSSE-KMS)
Secure your objects with two separate layers of encryption. For details on pricing, see **DSSE-KMS pricing** on the **Storage** tab of the Amazon S3 pricing page.

Bucket Key
Using an S3 Bucket Key for SSE-KMS reduces encryption costs by lowering calls to AWS KMS. S3 Bucket Keys aren't supported for DSSE-KMS. Learn more
○ Disable
● Enable

▸ **Advanced settings**

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

Step 5 Write a website code and save it on the desktop. Here, I saved my code by the name "static.html".

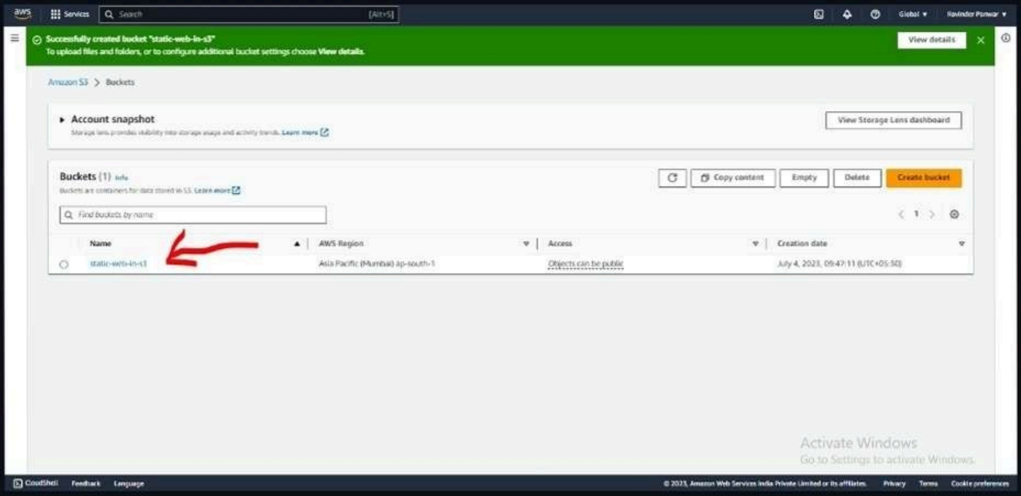


```
<!DOCTYPE html>
<html>
<body>

<p>My name is Ravinder Panwar and here is my sample static website stored in S3.</p>

</body>
</html>
```

Step 6 Go to the S3 bucket and open the bucket that you just created.



Successfully created bucket "static-web-in-s3"
To upload files and folders, or to configure additional bucket settings choose **View details**.

Amazon S3 > Buckets

▸ Account snapshot
Storage lens provides visibility into storage usage and activity trends. Learn more

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

	Name	AWS Region	Access	Creation date
○	static-web-in-s3	Asia Pacific (Mumbai) ap-south-1	Objects can be public	July 4, 2023, 09:47:11 (UTC+05:30)

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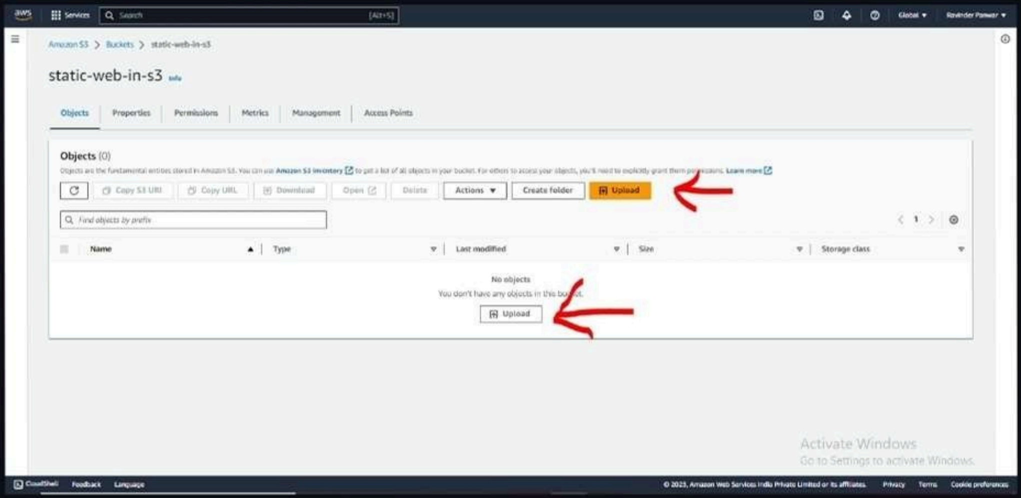
Step 7 Create an object and upload a file we created in Step 5.



Amazon S3 > Buckets > static-web-in-s3

static-web-in-s3 Info

Objects (0)
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

No objects
You don't have any objects in this bucket.

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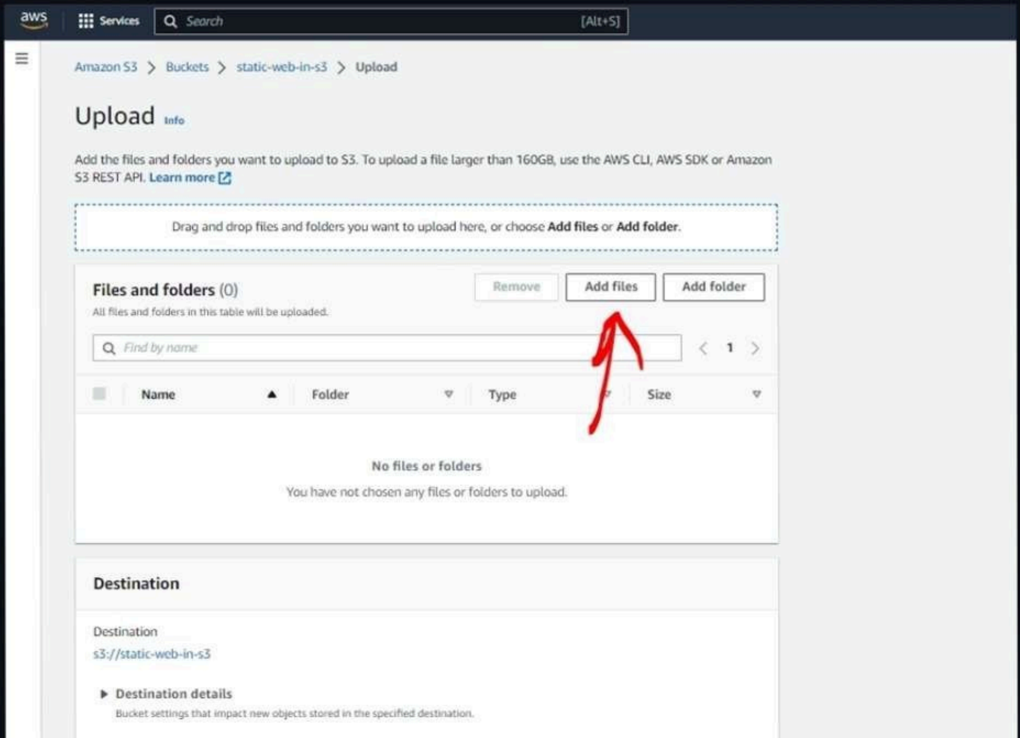


Amazon S3 > Buckets > static-web-in-s3 > Upload

Upload Info

Add the files and folders you want to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDK or Amazon S3 REST API. Learn more

Drag and drop files and folders you want to upload here, or choose **Add files** or **Add folder**.

Files and folders (0)
All files and folders in this table will be uploaded.

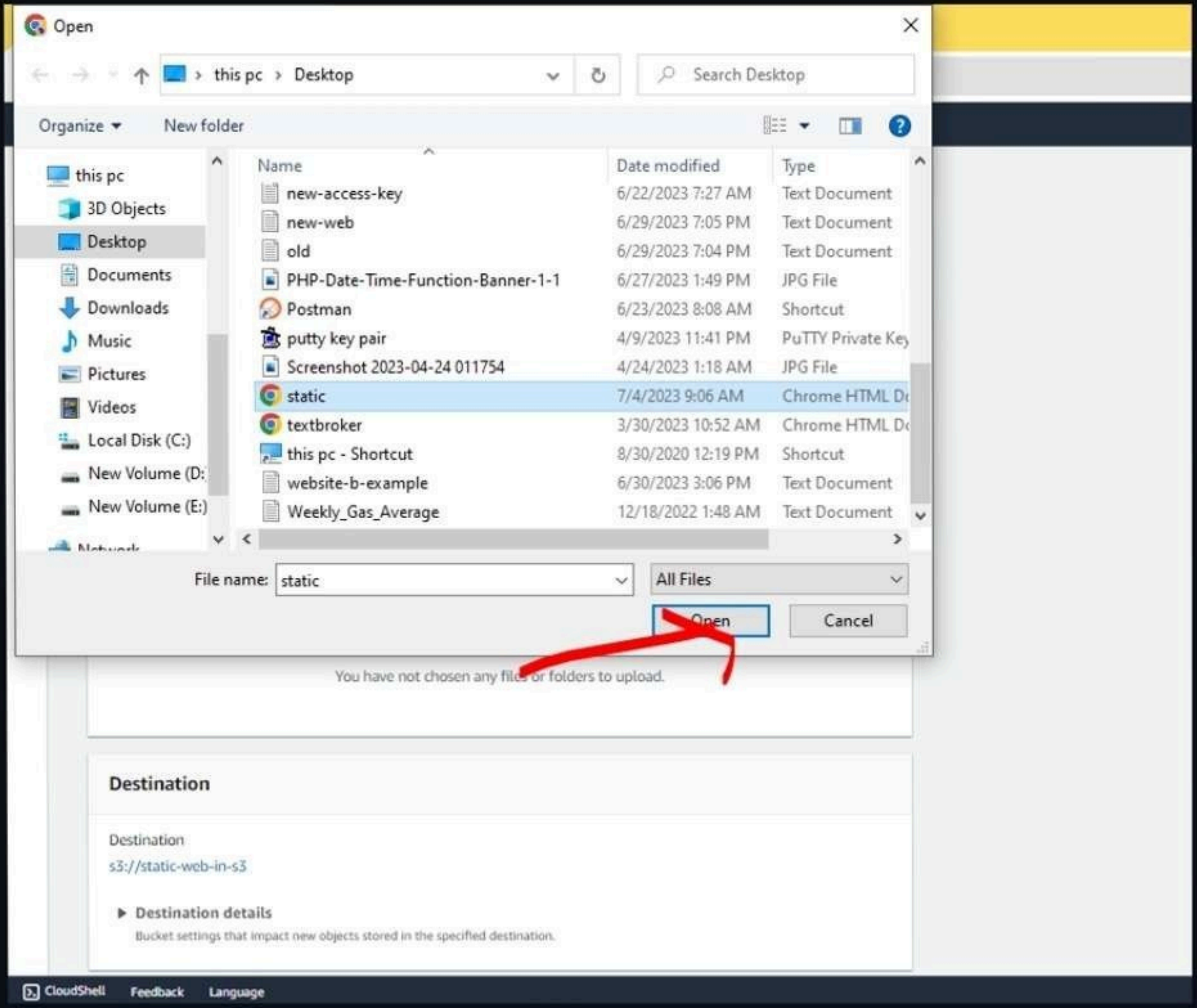
	Name	Folder	Type	Size

No files or folders
You have not chosen any files or folders to upload.

Destination

Destination
s3://static-web-in-s3

▸ Destination details
Bucket settings that impact new objects stored in the specified destination.



Name	Date modified	Type
new-access-key	6/22/2023 7:27 AM	Text Document
new-web	6/29/2023 7:05 PM	Text Document
old	6/29/2023 7:04 PM	Text Document
PHP-Date-Time-Function-Banner-1-1	6/27/2023 1:49 PM	JPG File
Postman	6/23/2023 8:08 AM	Shortcut
putty key pair	4/9/2023 11:41 PM	PuTTY Private Key
Screenshot 2023-04-24 011754	4/24/2023 1:18 AM	JPG File
static	7/4/2023 9:06 AM	Chrome HTML Do
textbroker	3/30/2023 10:52 AM	Chrome HTML Do
this pc - Shortcut	8/30/2020 12:19 PM	Shortcut
website-b-example	6/30/2023 3:06 PM	Text Document
Weekly_Gas_Average	12/18/2022 1:48 AM	Text Document

File name: static

All Files

You have not chosen any files or folders to upload.

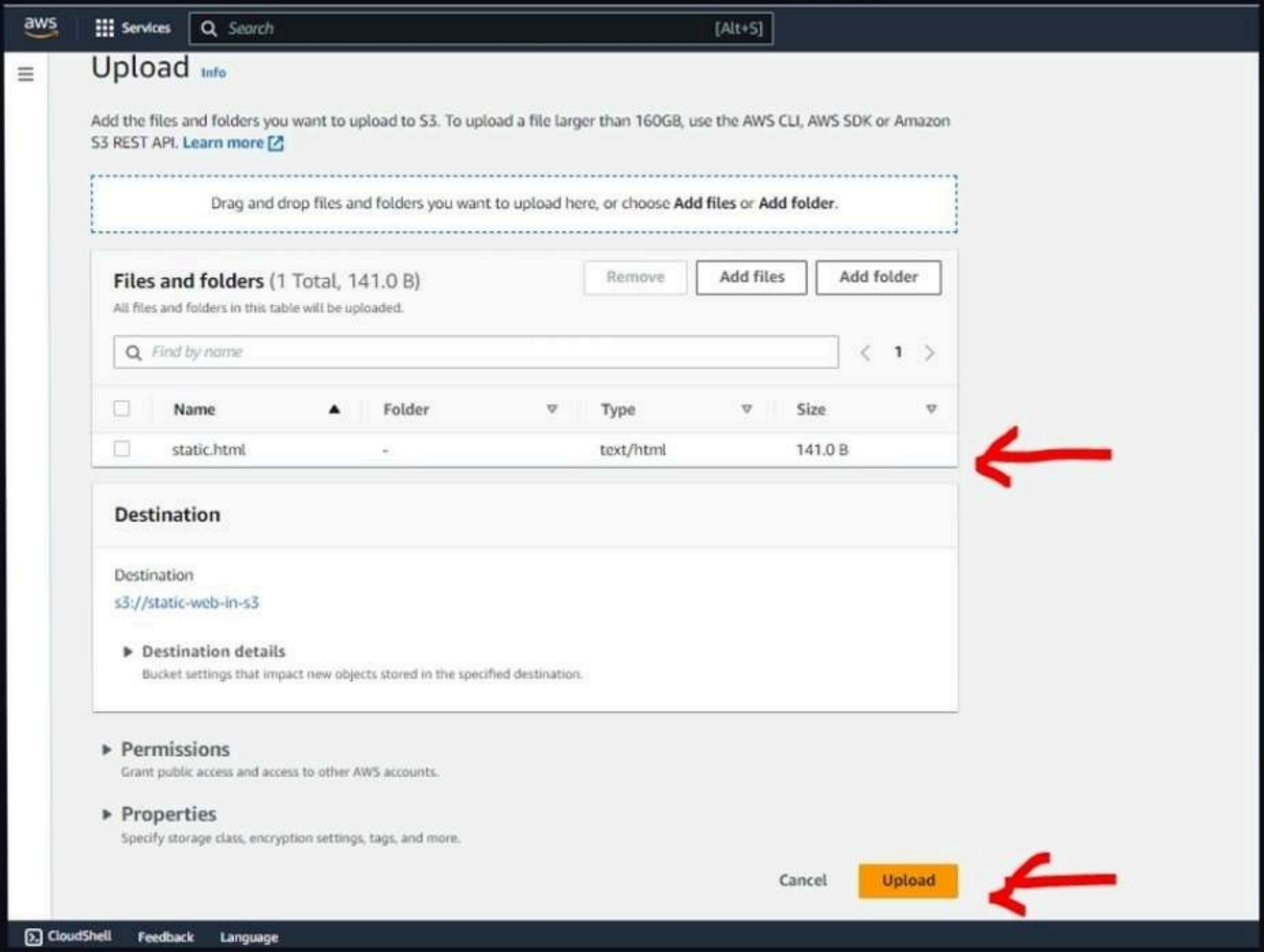
Destination

Destination

s3://static-web-in-s3

▸ **Destination details**

Bucket settings that impact new objects stored in the specified destination.



Upload Info

Add the files and folders you want to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDK or Amazon S3 REST API. **Learn more**

Drag and drop files and folders you want to upload here, or choose **Add files** or **Add folder**.

Files and folders (1 Total, 141.0 B)

All files and folders in this table will be uploaded.

□	Name	Folder	Type	Size
□	static.html	-	text/html	141.0 B

Destination

Destination

s3://static-web-in-s3

▸ **Destination details**

Bucket settings that impact new objects stored in the specified destination.

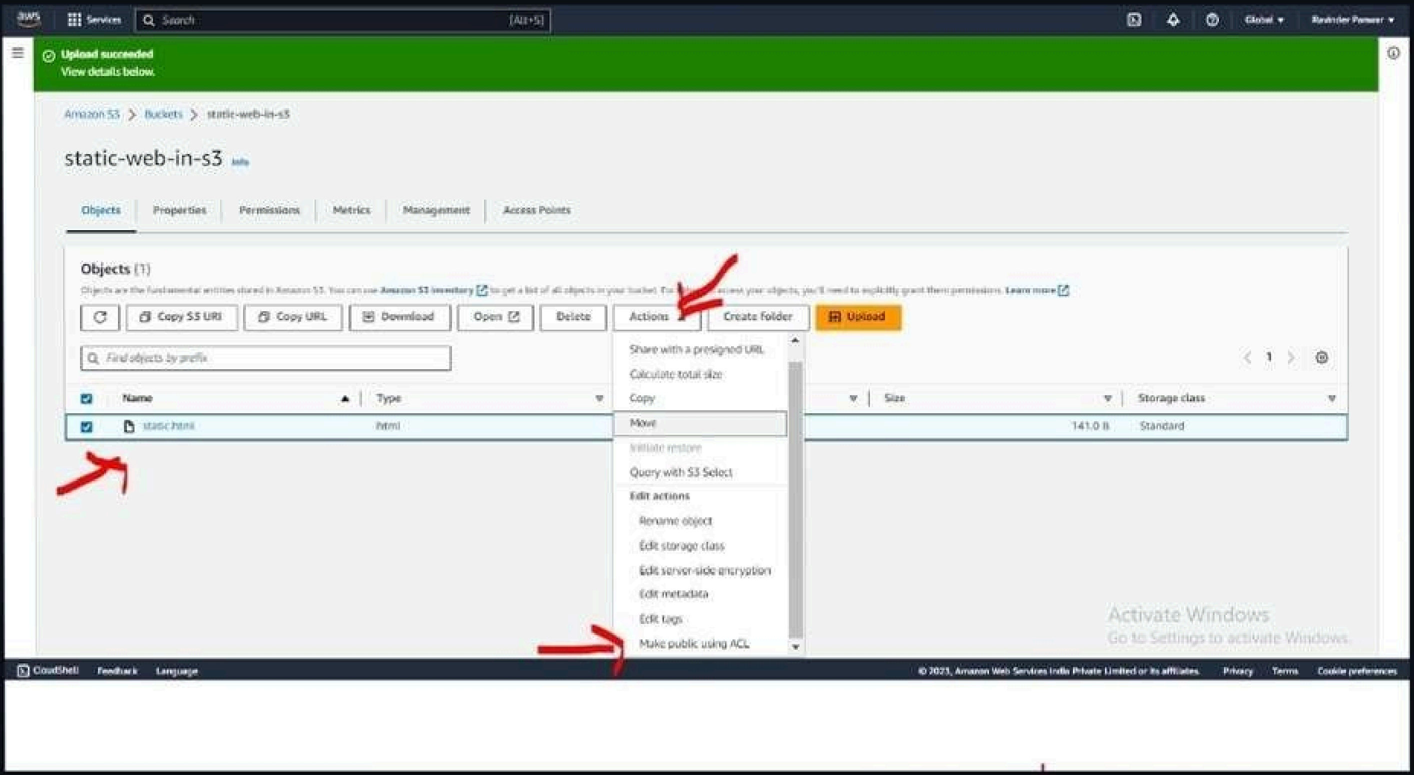
▸ **Permissions**

Grant public access and access to other AWS accounts.

▸ **Properties**

Specify storage class, encryption settings, tags, and more.

Step 8 Select the object, go to actions, and click on "Make public using ACL".



Upload succeeded
View details below.

Amazon S3 > Buckets > static-web-in-s3

static-web-in-s3 Info

Objects (1)

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	Size	Storage class
☑	static.html	html	141.0 B	Standard

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CloudShell
Feedback
Language
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Privacy
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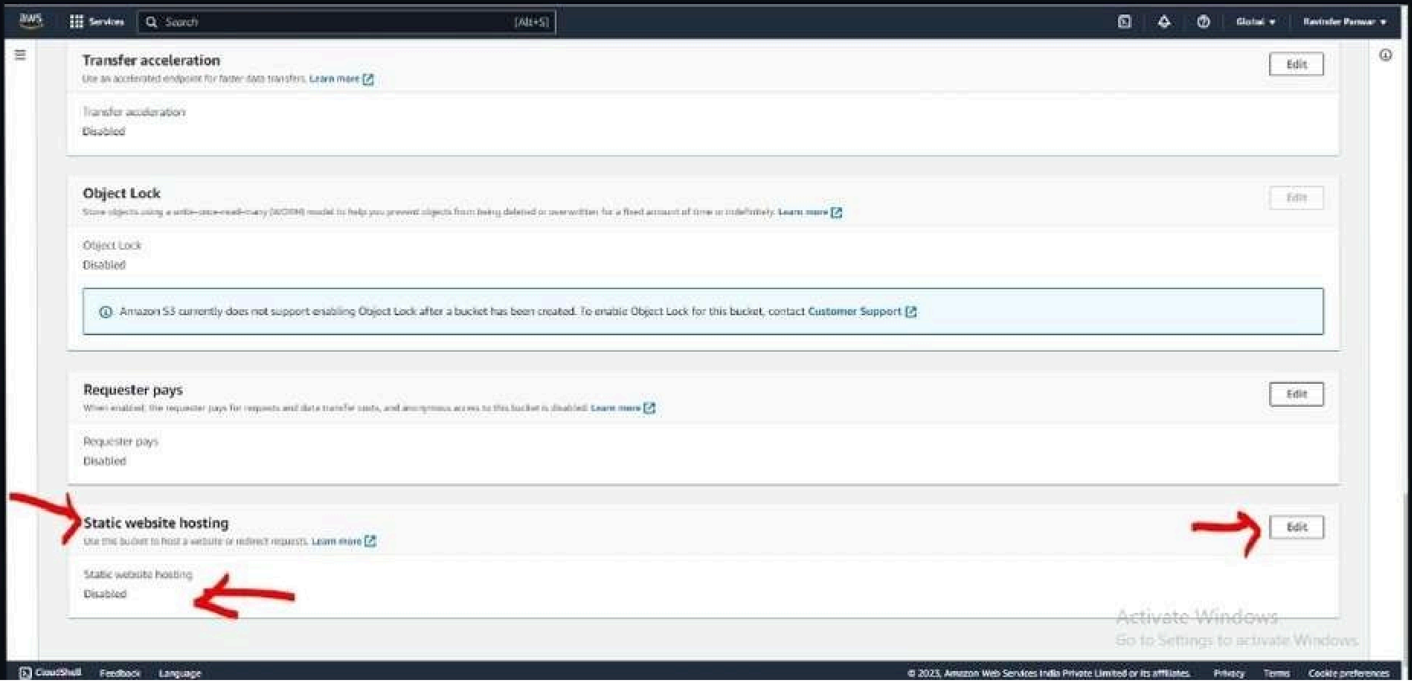
Step 9 Now again select the object, go to properties and scroll down and enable "Static web hosting".



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

Activate Windows
Go to Settings to activate Windows.
CloudShell
Feedback
Language
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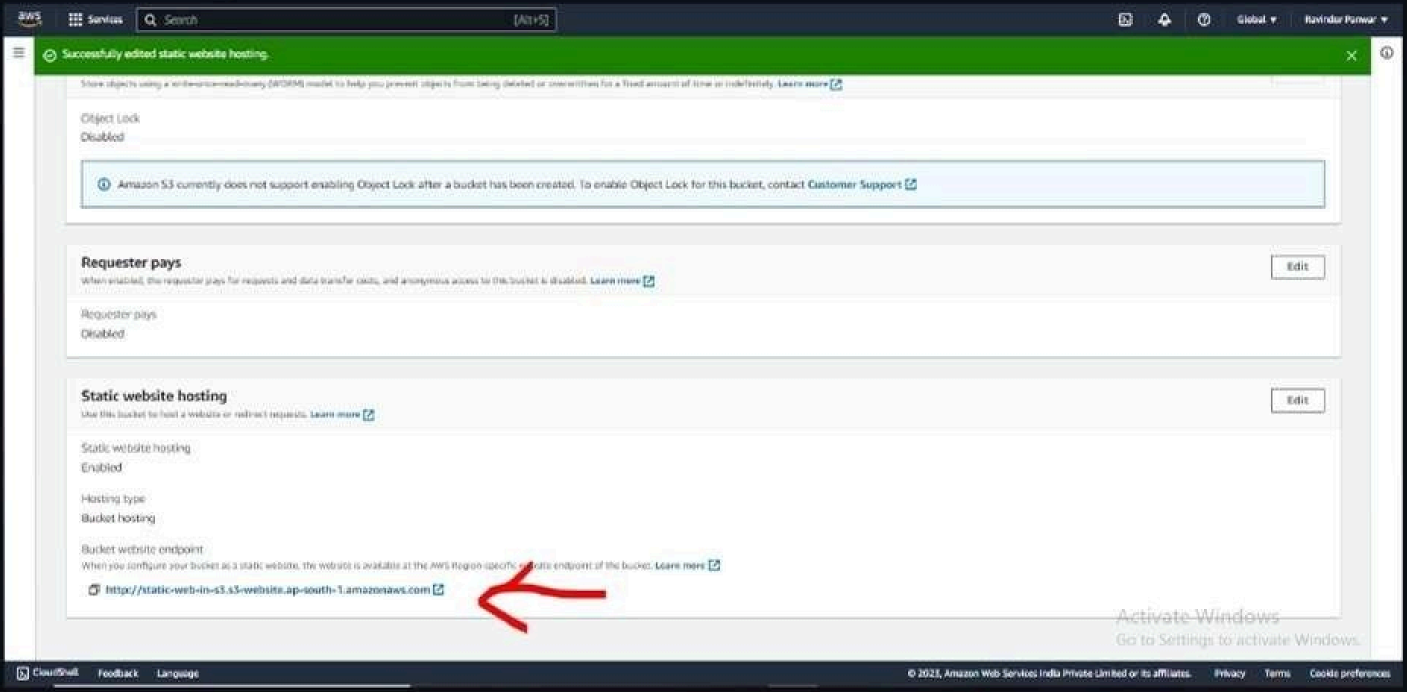
Step 10 Copy and paste the link on the browser to check if your static website is working or not.



Successfully edited static website hosting.

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

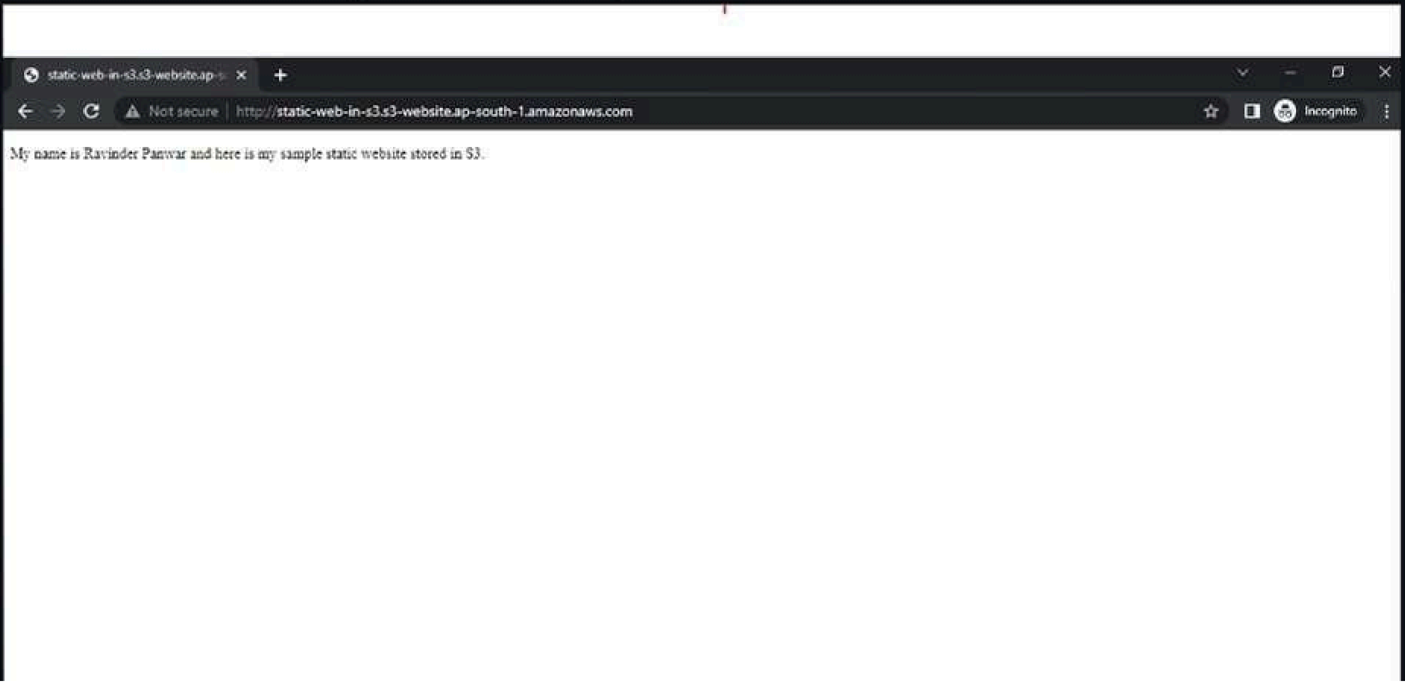
Static website hosting
Enabled

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://static-web-in-s3.s3-website.ap-south-1.amazonaws.com

Step 11 Done. Congrats. Our static website is successfully running.


static-web-in-s3.s3-website.ap-s
Not secure
http://static-web-in-s3.s3-website.ap-south-1.amazonaws.com
Incognito

My name is Ravinder Panwar and here is my sample static website stored in S3.