

CI/CD

(Hosting a static webpage using S3)

Create a **S3 Bucket**, with the following properties,

- Uncheck "**Block all public access**" (important for website visibility).

Create bucket [info](#)

Buckets are containers for data stored in S3.

General configuration

AWS Region

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

Bucket type [Info](#)

☒ 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 [Info](#)

lab-insem-2310030307-k-charan

Bucket names must be 3 to 63 characters and unique within the global namespace. Bucket names must also begin and end with a letter or number. Valid characters are a-z, 0-9, periods (.), and hyphens (-). [Learn More](#)

Copy settings from existing bucket - optional

Only the bucket settings in the following configuration are copied.

[Choose bucket](#)

Format: s3://bucket/prefix

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.

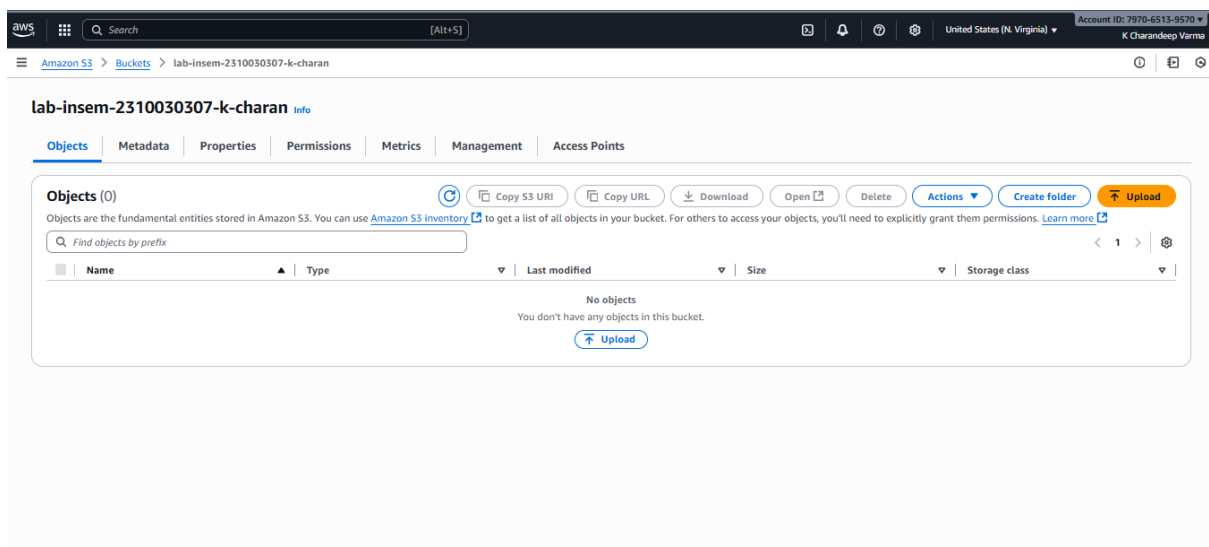
☐ Block public and cross-account access to buckets and objects through any public bucket or access point policies

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.



- Create a sample HTML webpage
- Upload the **index.html** file to the S3 Bucket

aws Search [Alt+S] United States (N. Virginia) Account ID: 7970-6513-9570 K Charandeep Varma

Amazon S3 > Buckets > lab-insem-2310030307-k-charan > 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 SDKs 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, 1.0 KB)
 All files and folders in this table will be uploaded.

[Remove](#) [Add files](#) [Add folder](#)

Find by name

<input type="checkbox"/>	Name	Folder	Type	Size
<input type="checkbox"/>	lab_insem_2310030307_static_site.html	-	text/html	1.0 KB

Destination [Info](#)
Destination
[s3://lab-insem-2310030307-k-charan](#)
[Destination details](#)
 Bucket settings that impact new objects stored in the specified destination.

Upload succeeded
For more information, see the [Files and folders](#) table.

Upload: status [Close](#)

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

Summary

Destination s3://lab-insem-2310030307-k-charan	Succeeded 1 file, 1.0 KB (100.00%)	Failed 0 files, 0 B (0%)
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[Files and folders](#) | [Configuration](#)

Files and folders (1 total, 1.0 KB)
 Find by name

Name	Folder	Type	Size	Status	Error
lab_insem_2310030307_static_site...	-	text/html	1.0 KB	Succeeded	-

- Go to the **Properties** tab of the S3 Bucket and enable **Static Website Hosting**

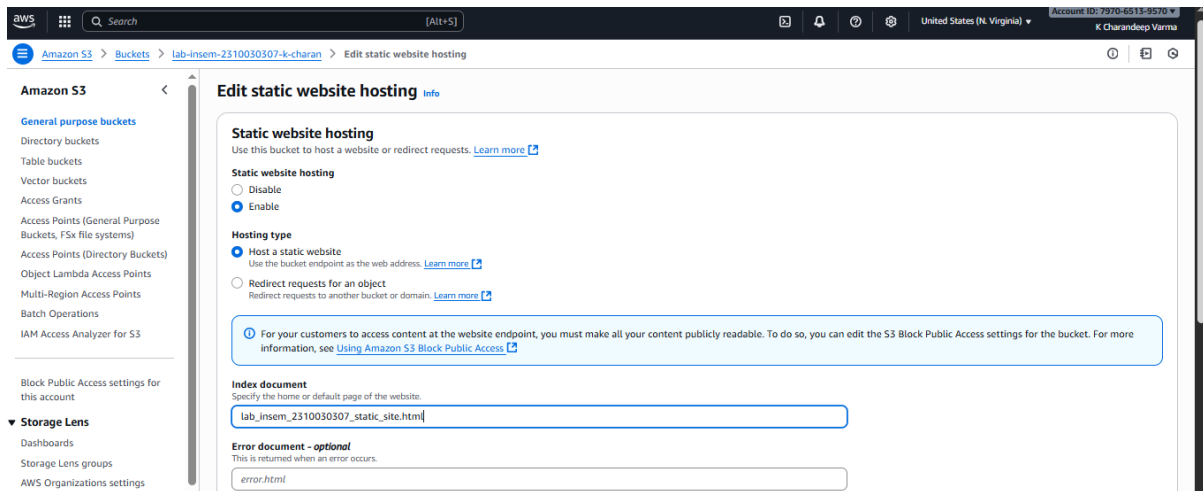
Requester pays [Edit](#)
 When enabled, the requester pays for requests and data transfer costs, and anonymous access to this bucket is disabled. [Learn more](#)
Requester pays
 Disabled

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

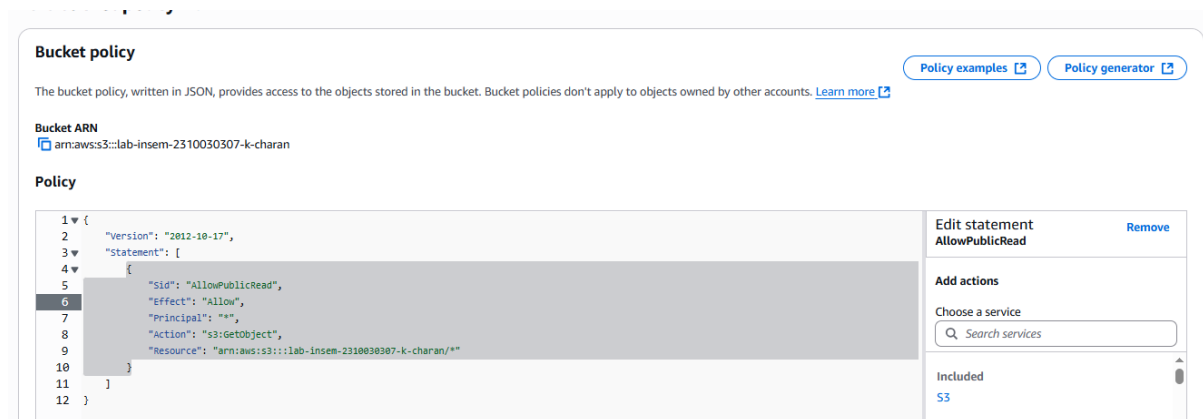
We recommend using **AWS Amplify Hosting** for static website hosting
 Deploy a fast, secure, and reliable website quickly with AWS Amplify Hosting. Learn more about [Amplify Hosting](#) or [View your existing Amplify apps](#)
[Create Amplify app](#)

S3 static website hosting
 Disabled

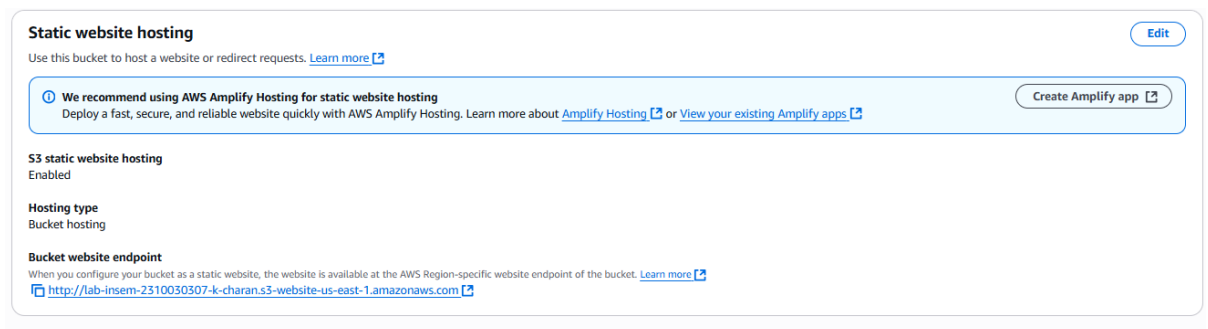
- Click on the **Edit** tab and select **Enable**:



- Add the **Bucket Policy** to **Allow Public Read Access**
- In the **Permissions** tab, scroll down to **Bucket policy** and add this:



- Go and click on this **Link**:
<http://lab-insem-2310030307-k-charan.s3-website-us-east-1.amazonaws.com/>



- Then you have the **Access to the Website**

Welcome!

This is a static website that is being hosted from AWS S3.

Student Details:

Regd No: 2310030307

Name: KOSURU CHARANDEEP VARMA

Section: A5