

AWS creation of S3 bucket and usage.

What is S3?

Amazon S3 (Simple Storage Service) is **object storage**.

It stores:

- Files
- Backups
- Static websites
- Docker artifacts
- Logs
- Terraform state files
- CI/CD build outputs

It is:

- Highly scalable
- 99.999999999% durable
- Pay for what you use

I am creating an new private S3 bucket .

The screenshot shows the AWS Management Console interface for creating a new S3 bucket. The top navigation bar includes the AWS logo, a search bar, and user information for 'HARIHARAN K' in the 'Asia Pacific (Mumbai)' region. The breadcrumb trail indicates the path: Amazon S3 > Buckets > Create bucket. The main heading is 'Create bucket' with an 'Info' link. Below this, a note states 'Buckets are containers for data stored in S3.' The 'General configuration' section is expanded, showing the 'AWS Region' as 'Asia Pacific (Mumbai) ap-south-1'. Under 'Bucket type', the 'General purpose' option is selected, while 'Directory' is unselected. The 'Bucket name' field contains 'intergame211825'. A note below the field explains the naming rules: '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'. The 'Copy settings from existing bucket - optional' section is also visible, with a 'Choose bucket' button. At the bottom, the 'Object Ownership' section is partially visible, with a note about controlling ownership and ACLs.

Create bucket [Info](#)

Buckets are containers for data stored in S3.

General configuration

AWS Region
Asia Pacific (Mumbai) ap-south-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](#)
intergame211825

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

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.

Amazon S3 > Buckets > Create bucket

Object Ownership

☒ **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.

Object Ownership
Bucket owner enforced

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.

SLA Institute Create S3 bucket | S3 | ap-sou-1

ap-south-1.console.aws.amazon.com/s3/bucket/create?region=ap-south-1

aws Search [Alt+S] Asia Pacific (Mumbai) HARIHARAN K (0896-6520-4192) HARIHARAN K

Amazon S3 > Buckets > Create bucket

☒ **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.

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 - optional

You can use bucket tags to analyze, manage and specify permissions for a bucket. [Learn more](#)

Information You can use s3:ListTagsForResource, s3:TagResource, and s3:UntagResource APIs to manage tags on S3 general purpose buckets for access control in addition to cost allocation and resource organization. To ensure a seamless transition, please provide permissions to s3:ListTagsForResource, s3:TagResource, and s3:UntagResource actions. [Learn more](#)

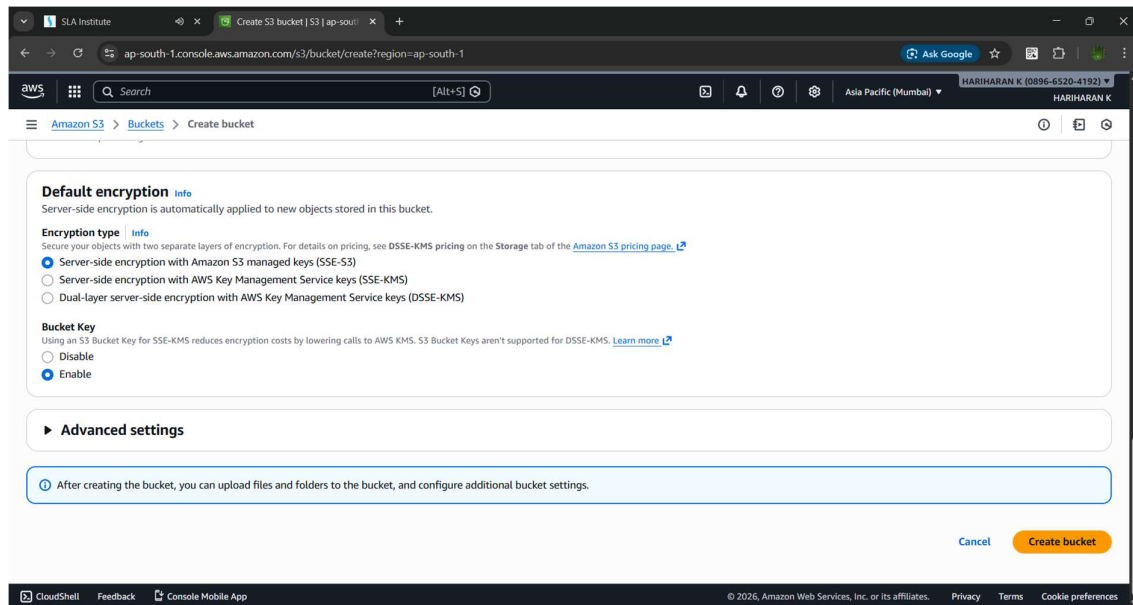
No tags associated with this bucket.

[Add new tag](#)

You can add up to 50 tags.

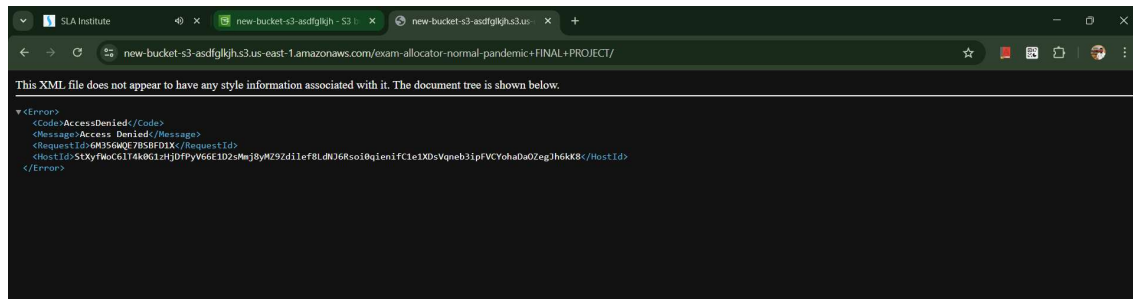
CloudShell Feedback Console Mobile App

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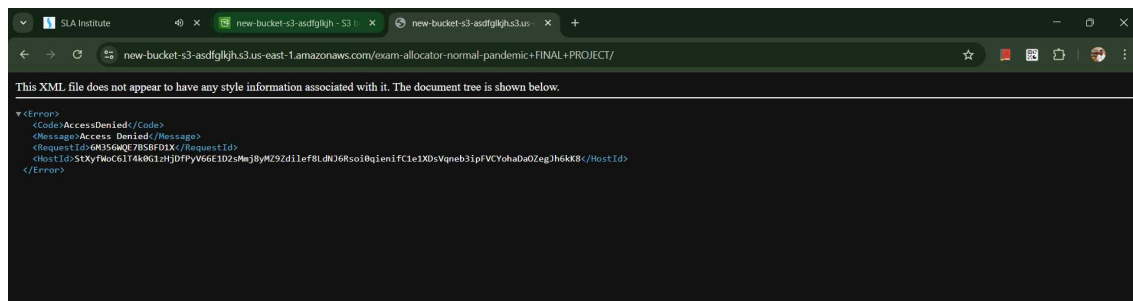


And then I have uploaded the files.

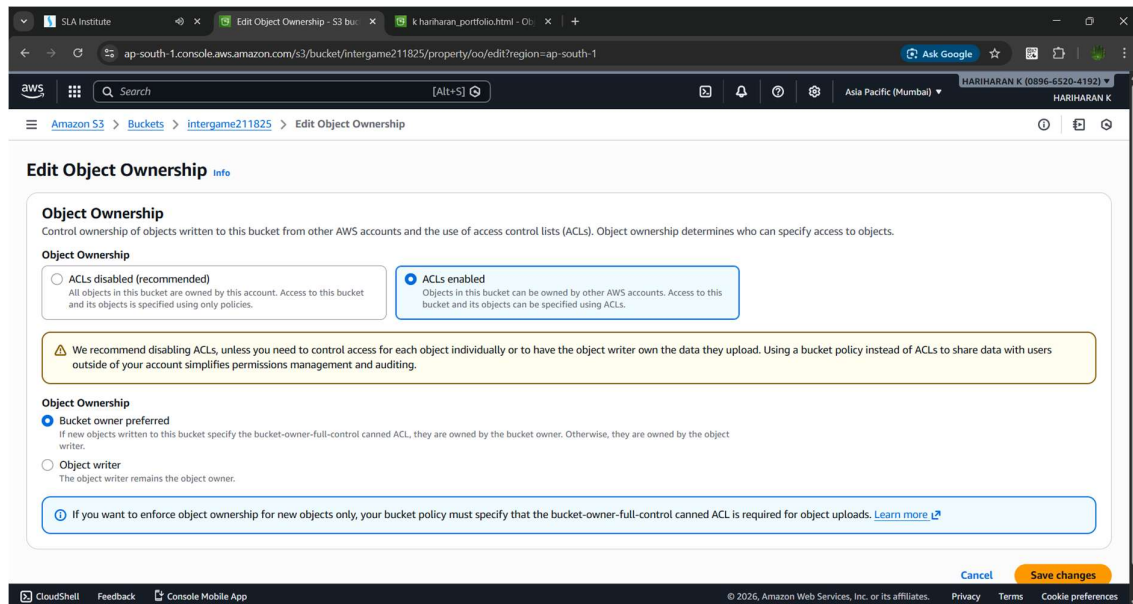
When I want to access the file it says that the access denied.



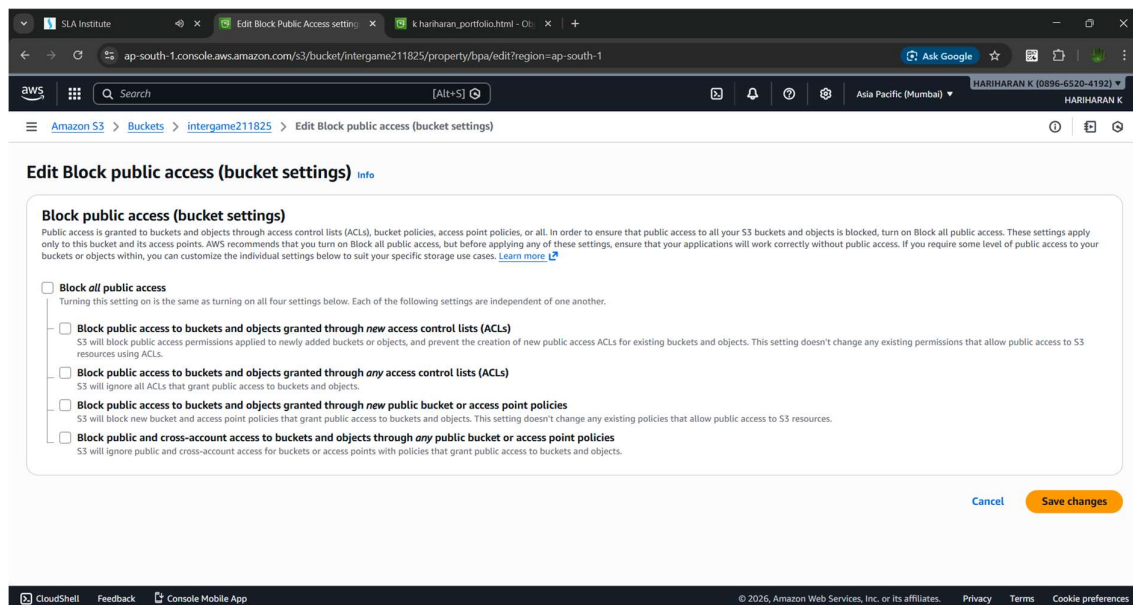
Then we have to give permission with all the public access to the file.



We have to enable versioning for the reusability of older versions.



And we have to untick the all checkbox.



We have to give access to the user with ACL (Access Control Lists)

Edit access control list [Info](#)

Access control list (ACL)

Grant basic read/write permissions to AWS accounts. [Learn more](#)

Grantee	Objects	Object ACL
Object owner (your AWS account) Canonical ID: e242bcdc19252dd2107ac6d6d96da31b42a6f0ace302df7e121ce8ed8eba7a0a	<input checked="" type="checkbox"/> Read	<input checked="" type="checkbox"/> Read <input checked="" type="checkbox"/> Write
Everyone (public access) Group: http://acs.amazonaws.com/groups/global/AllUsers	<input checked="" type="checkbox"/> Read	<input checked="" type="checkbox"/> Read <input type="checkbox"/> Write
Authenticated users group (anyone with an AWS account) Group: http://acs.amazonaws.com/groups/global/AuthenticatedUsers	<input type="checkbox"/> Read	<input type="checkbox"/> Read <input type="checkbox"/> Write

When you grant access to the Everyone or Authenticated users group grantees, anyone in the world can access this object.

[Learn more](#)

☐ I understand the effects of these changes on this object.

You must select the check box to continue.

Then we will have the access to the website . S3 has an Adv. Of independent service so it act as an webserver also.

