

AWS- Simple Storage Service S3

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Practical 1 - Create bucket

Step 1 – Created one bucket.

The screenshot displays 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. The main content area is divided into several sections: a large header for Amazon S3, a 'How it works' section with a video, and a 'Create a bucket' section with a prominent orange button. Below these, there is a 'Pricing' section with links to the AWS Simple Monthly Calculator and pricing details. The bottom section shows the 'Create bucket' configuration page, which includes a 'General configuration' section with fields for 'AWS Region' (Asia Pacific (Mumbai) ap-south-1) and 'Bucket name' (uday001). It also has a 'Copy settings from existing bucket - optional' section with a 'Choose bucket' button. The 'Object Ownership' section is at the bottom, with 'ACLs disabled (recommended)' selected.

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.

[Create bucket](#)

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](#)

[View pricing details](#)

How it works

Introduction to Amazon S3

[Copy link](#)

Create bucket [Info](#)

Buckets are containers for data stored in S3.

General configuration

AWS Region
Asia Pacific (Mumbai) ap-south-1

Bucket name [Info](#)
uday001

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 [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

☐ **ACLs enabled**
Objects in this bucket can be owned by other AWS accounts. Access to this bucket and its objects can be

aws Services Search [Alt+S]

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.

Cancel Create bucket

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Step 2: - Add file in that bucket

aws Services Search [Alt+S]

Amazon S3 > Buckets > uday0001

uday0001 info

Objects Properties Permissions Metrics Management Access Points

Objects (1) info

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
<input type="checkbox"/>	S3.txt	txt	September 27, 2024, 15:32:30 (UTC+05:30)	22.0 B	Standard

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Step 3: - Click on that file and open “Object URL”

aws Services Search [Alt+S]

Successfully edited access control list for object "S3.txt".

Amazon S3 > Buckets > uday0001 > S3.txt

S3.txt info

Copy S3 URI Download Open Object actions

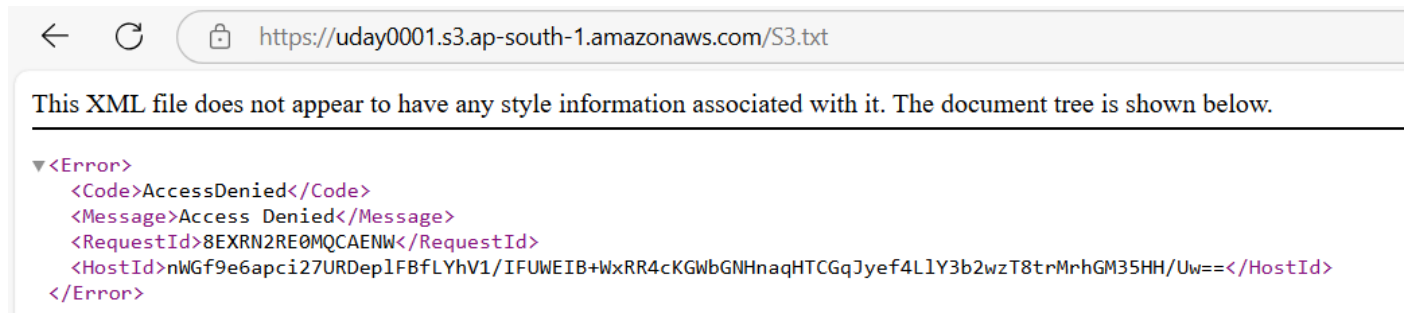
Properties Permissions Versions

Object overview

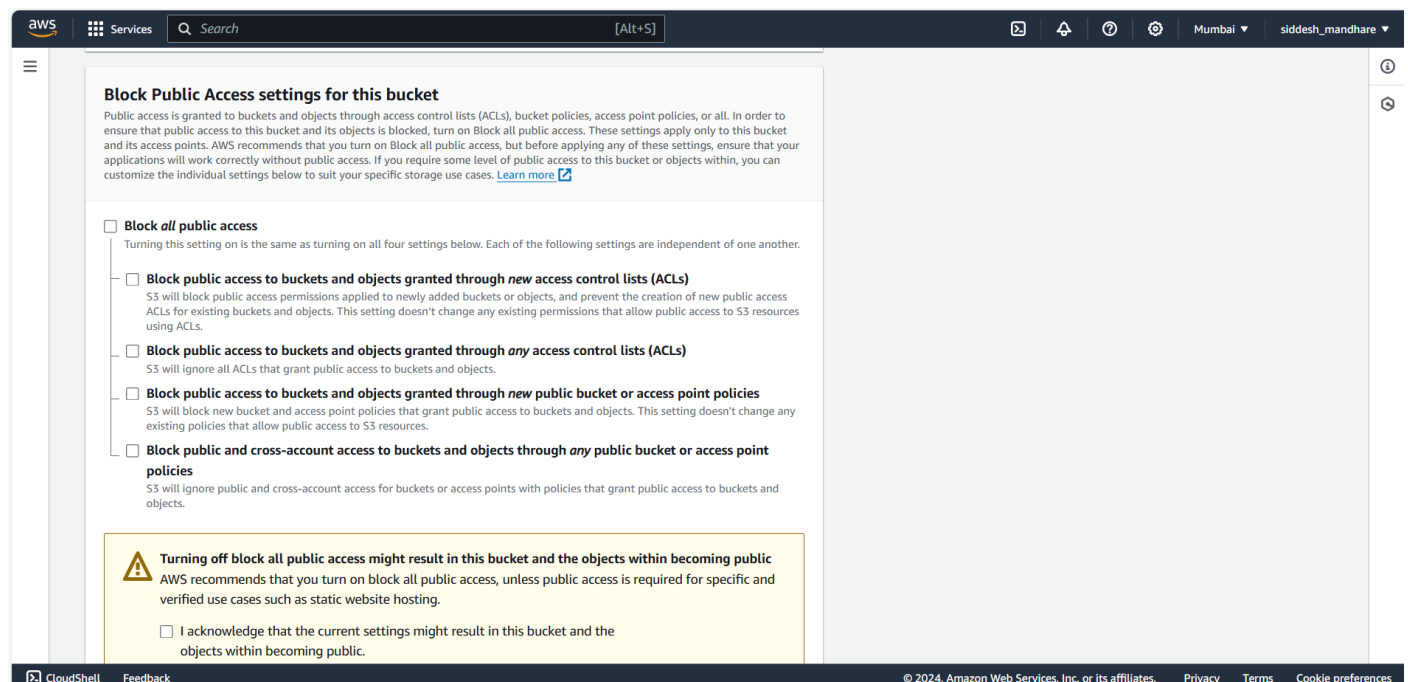
Owner cc17f9c858b8d03c5183c936c7e97a918bc0008e1d4d2fb84bd722fb04c09ff0	S3 URI s3://uday0001/S3.txt
AWS Region Asia Pacific (Mumbai) ap-south-1	Amazon Resource Name (ARN) arn:aws:s3:::uday0001/S3.txt
Last modified September 27, 2024, 15:32:30 (UTC+05:30)	Entity tag (Etag) f3751a4ea785b29fcf7fcb9a1328d17e
Size 22.0 B	Object URL https://uday0001.s3.ap-south-1.amazonaws.com/S3.txt
Type txt	

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Step4: -When you click URL you will face error.



Note→ Now create another bucket and at the time of creation un-tick below, then you can access bucket publicly.



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






Step 5: - Now change the permission of object from Private to Public

[Amazon S3](#) > [Buckets](#) > [uday0001](#) > [S3.txt](#) > Edit access control list


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:  cc17f9c858b8d03c5183c936c7e97a918bc0008e1d4d2fb84bd722fb04c09ff0	<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

Step 6: - Now we can able to access this bucket file.

← ↻  <https://uday0001.s3.ap-south-1.amazonaws.com/S3.txt>

this is my s3 bucket