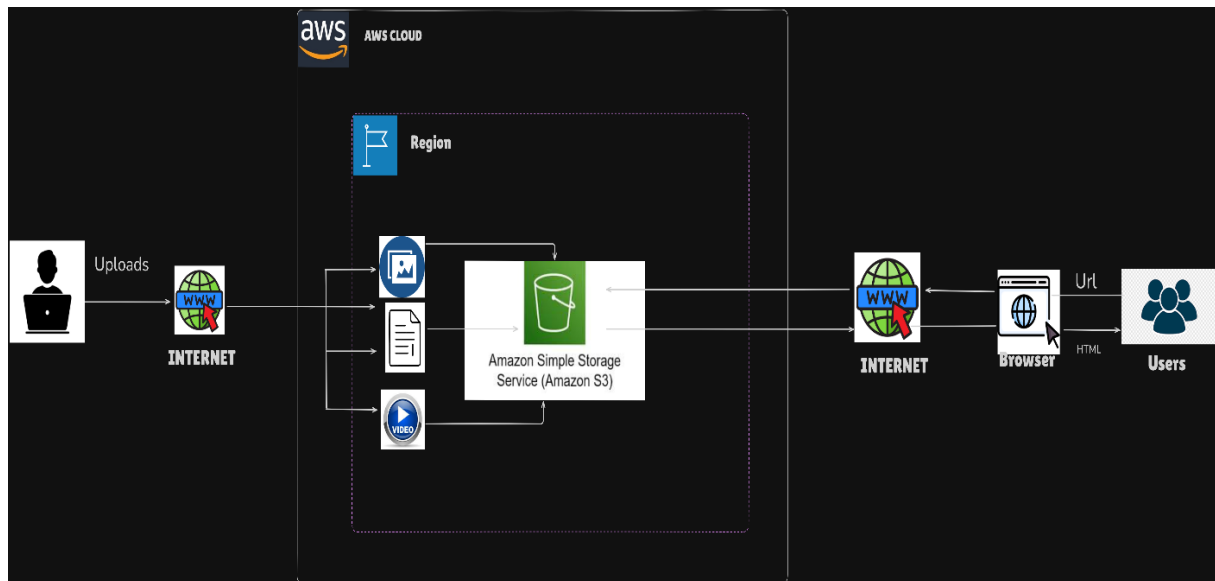# CREATING A STATIC WEBSITE USING AMAZON S3

Architecture Diagram of Hosting Static Website on AmazonS3

AMAZON S3 (Simple Storage Service) - It is an 'Object Storage' where we can store the data (like Images, Files, Videos, Audio, Documents, Application data) in 'Buckets' and the data can be accessed by End-users (customers).

What is the primary objective of Static Website?

- ➢ Showcase Simple personal **websites**, **Portfolios** which has simple **text**, **images** and **html/xml** files to load with less latency and high security on Amazon S3.
- ➢ Can make **documentation** for a topic or a technical concept, **User guides**, **Manuals**.
- ➢ Used for **Dedicated landing pages** for Business or Marketing **feedback forms**.
- ➢ Hosting **Single-Page Applications** with built-in frameworks like React or Angular JavaScript.

This project is of various types we can do with 1 or more services

Amazon CloudFront(**Content Delivery Network**) [used for less latency and high data transfer speed] and **Amazon Route 53** which is a **Domain Name System(DNS)** Service which is used for routing end users by translating domain

names(google.com) to IP Addresses(192.168.10.0) and also allow users to register new domain names or transfer existing ones.
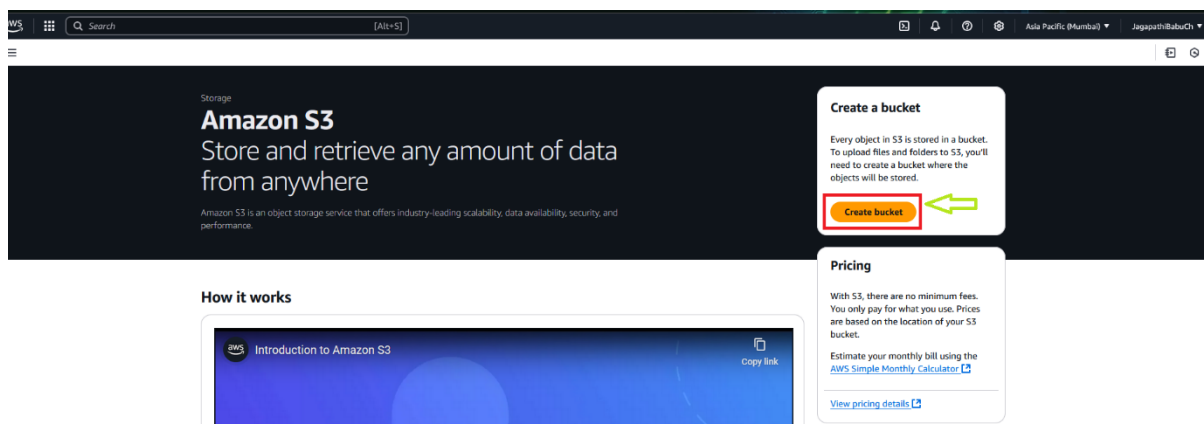
For this project it is simple Solution hosting resources on Amazon S3 .

STEP – 1   Login to AWS Console Management and search for Amazon S3 and click on S3
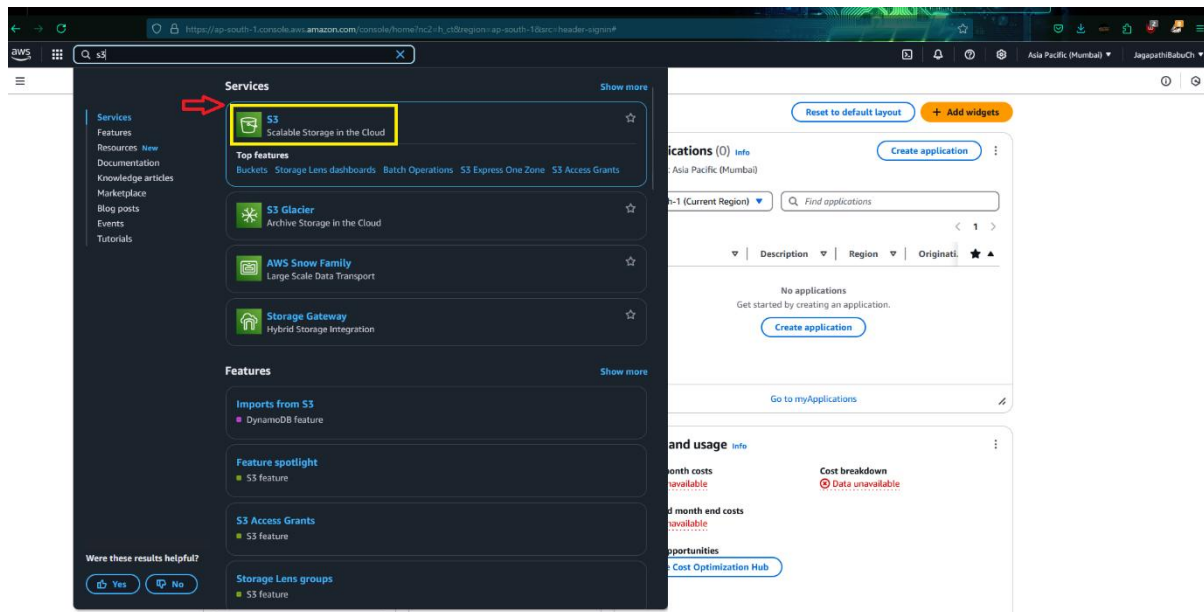
STEP – 2

Create a new bucket

STEP – 3

Bucket name should be '**unique**' (Globally)i had used bucket name '**mystaticwebsite-jb2025**'

Name can have (Small characters, dot/periods(.), Numbers and Hyphens (-))

STEP – 4

Create Bucket with unblock the tick mark for public accessing files.

STEP – 5

Click on bucket name
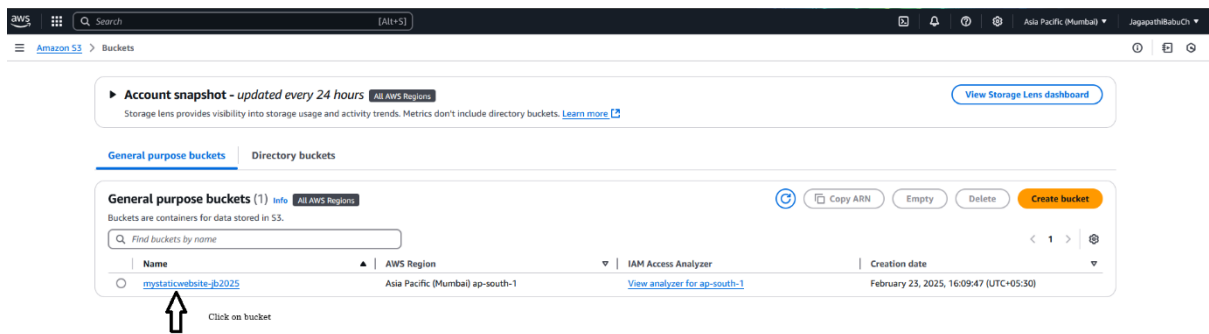
Drag and drop files into the Bucket or Add files/folders.
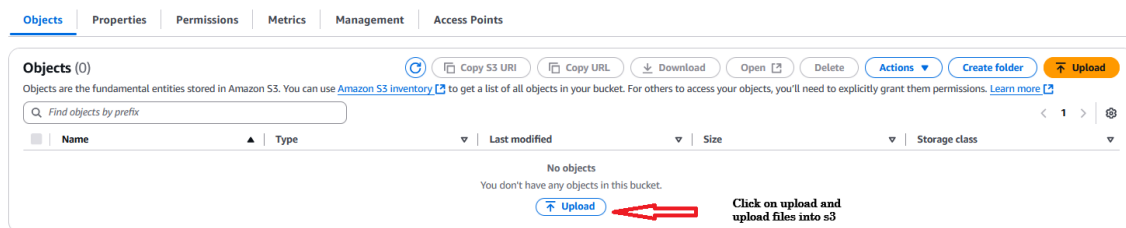
Click on upload button
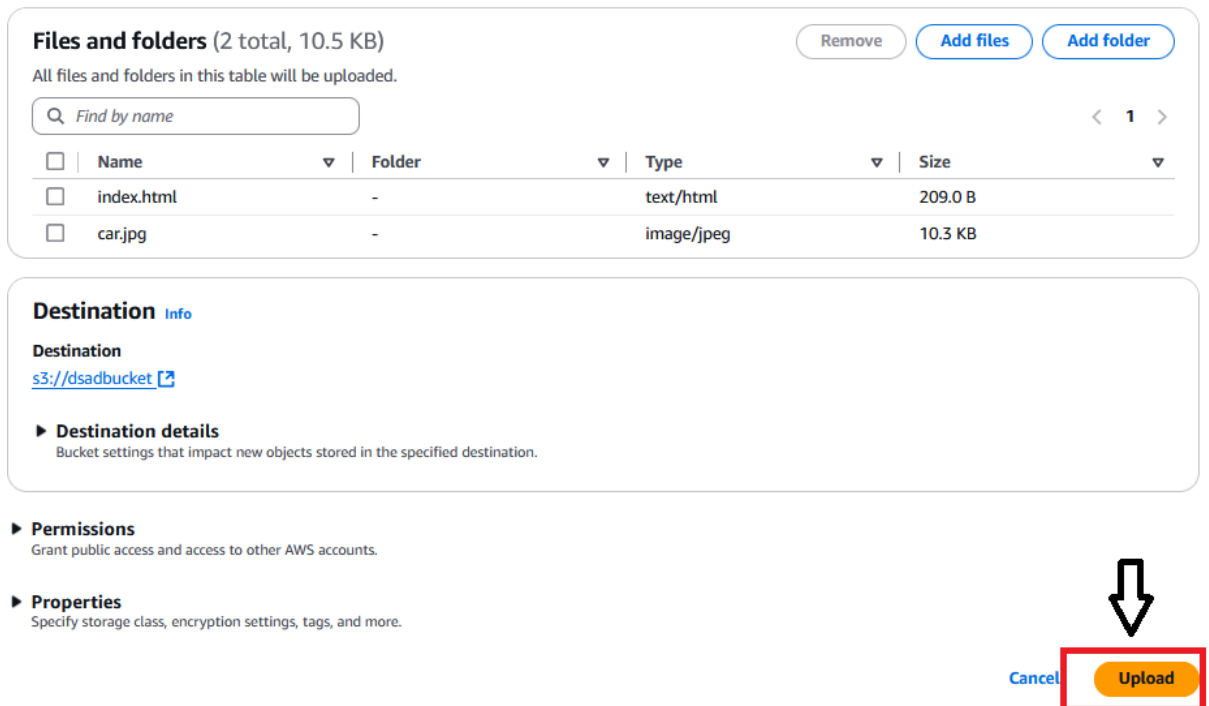
Files will be uploaded successfully it will show green notification and next click on close.

STEP – 6   at **2** number (type index.html)

Click on properties and scroll down **Edit** static website hosting should be enabled and save .

STEP – 7

Go to permissions and at bucket policy click edit and write policy to Read Object (to View)

Updated bucket policy

STEP – 8

Go to properties and click on bucket website

Good job! This is the static website hosted on **Amazon S3**
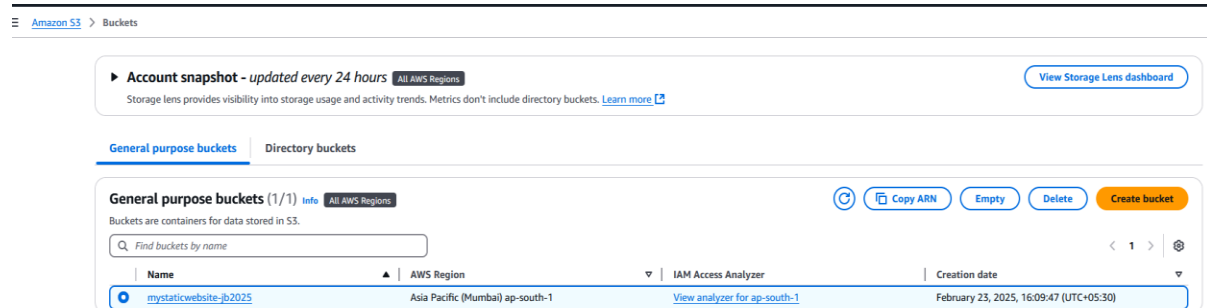
STEP – 9

At last, don't forgot to delete instances after completion to avoid any charges incurring.

Select Bucket and delete

Empty bucket by typing 'Permanently delete'

Delete Bucket by typing the Bucket Name