* S3: Amazon Simple Storage Service is a massively scalable storage Service based on object storage technology. It provides a very high level of durability, with high availability & high performance. Data can be accessed from anywhere via the Internet, through the amazon console of the powerful S3 API S3 storage provides the following ky features:i) Buckets - data is stored in buckets. Each bucket can store an unlimited amount of unstructured deta. ii) Elastic Scalability - Sos has no storage limit. Individual objects com be upto 5TB in size iii) flexible clata structure - each object is identified using a unique key, and you can use metadata to flexible organize data. (vi bown loading data - easily share date with amone inside or outside your organisation + endle them to download data over the guternets V) Permissions - assign permissions at the bucket or object level to ensure only authorized users can access data SOAP interfaces has become on industry standard is integrated w/a large number of existing tolls.

* Use Cases for S3 Storage.

Backup and Archival

one of the primary use case For 93 Storage is backup of archival. Organizations com leverage
S3's durability & availability to ensure the safety and longeritity of their data. S3's redundant architecture and distributed data storage make it possible to store critical data that needs to be accessed quickly of securely.

S3 also offers seamless integration with various backup & archival software. This allows business to automate the backup & archival processes, reducing the risk of human error & ensuring date is consistently protected. With S3's versioning capabilities, organization can also retain multiple versions of their files enabling roll back to previous versions if neided.

2 Content distribution & hosting

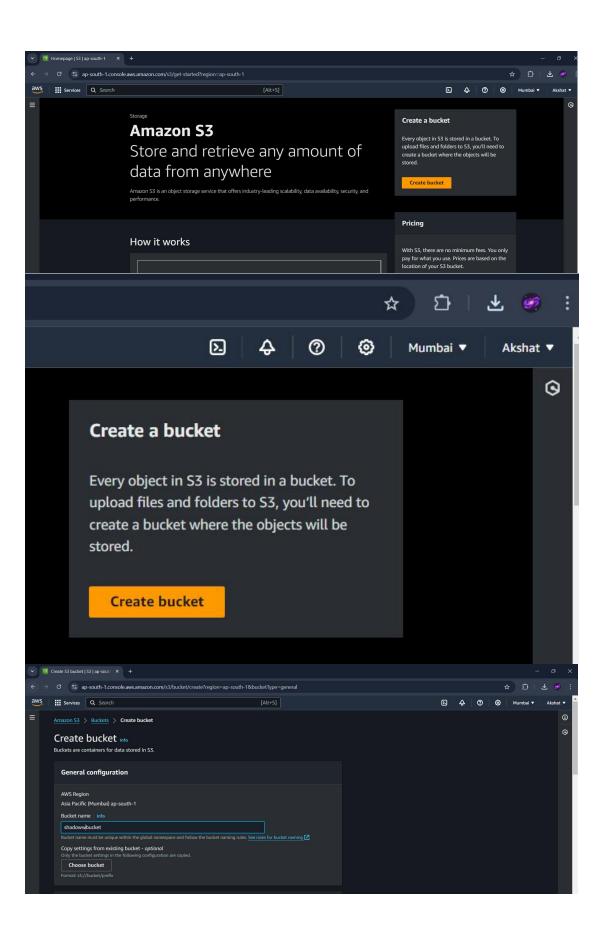
By leveraging 53's global network of edge locations, content creators can distribute their files seamlessly to end-users, reducing latency & improving user expuises 53's integration with content delivery networks (CDNs) for their entrances HS content distribution capabilities, ensuring that files are delivered to quickly fighticiently

3. Disaster Recovery

with S3's cross-region replication, bosinesses com outernetically Saue their deta in multiple amazon regions, ensuring that it is protected against regional

disasters. In the event of a disaster, orgs can quickly restore their data from the replacent replicated copies Stored in S3 , minimizing downtime & data loss. 7 Big Dato & Analytics S3's low cost storage object make it svitable for storing large volumes raw data. Organizations comingest deta from various sources into S3, including log files, Sensor data, and social media feeds. S3's integration W/ big data processing framework like Apache Hadoop & Apache Spark enables bousiness to process & analyze this data at scale S. Software & Object Distribution S3 is commonly I used by organizations to distribut Software packages firmware updates & other digital assets to user customers or employees. S3's global hetwork of edge locations ensures fast and efficient delivery of these files, regardless of the users location * Steps For S3. Step 1 Create a Bucket To get started w/ Amazon S3 the first step is to create our S3 bucket. A bucket is a container for Shring objects in S3. follow these steps to create i) log into the aws management console de navigate to . 53 Service

Click the create bucket button iii) Enter a unique bucket name. Choose the region where you want to creete the bucket. The region selection is important. V) Configure settings as needed vi) Click on create bucket. Step 2 Uploading object to a Bucket oploading objects to an S3 bucket is straight Forward. You can upload files images, videos or any other type of data. Here's how you can upload on object 10 S3 bucket: i, open 53 console & navigate your bucket ii. click on upload bucket Choose files you wanta upload from your device ophionally you can set permissions metadata f encryption ophins to that H ili Click upload button to start the upload process EV.



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.

Object Ownership

Bucket owner enforced

✓ 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.

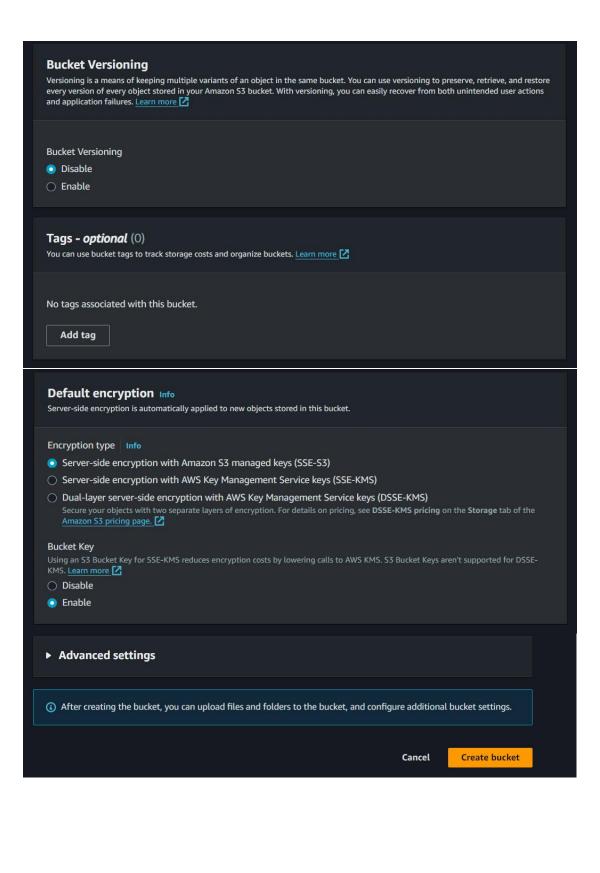
Block public access to buckets and objects granted through any access control lists (ACLs)

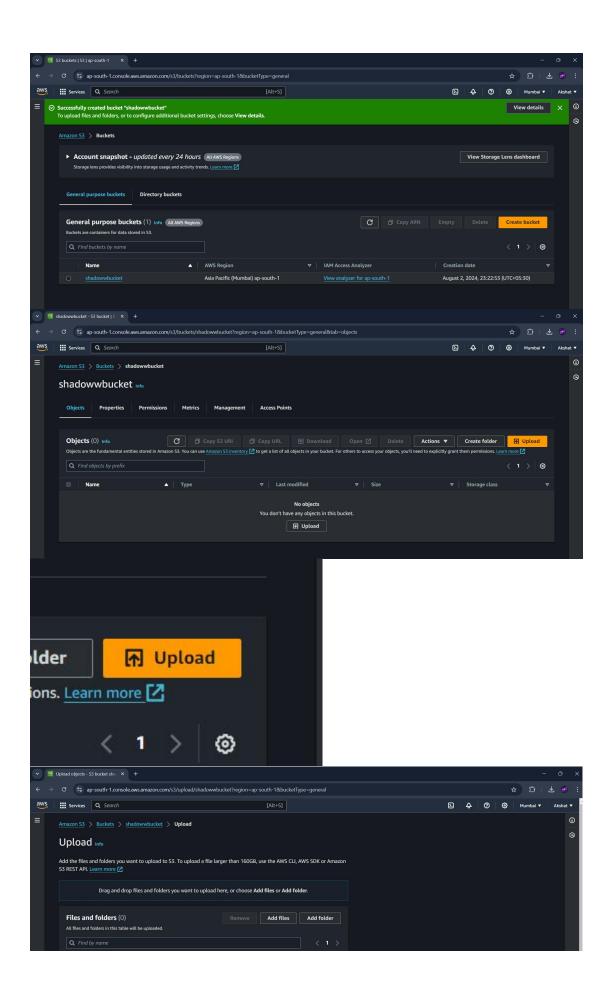
S3 will ignore all ACLs that grant public access to buckets and objects

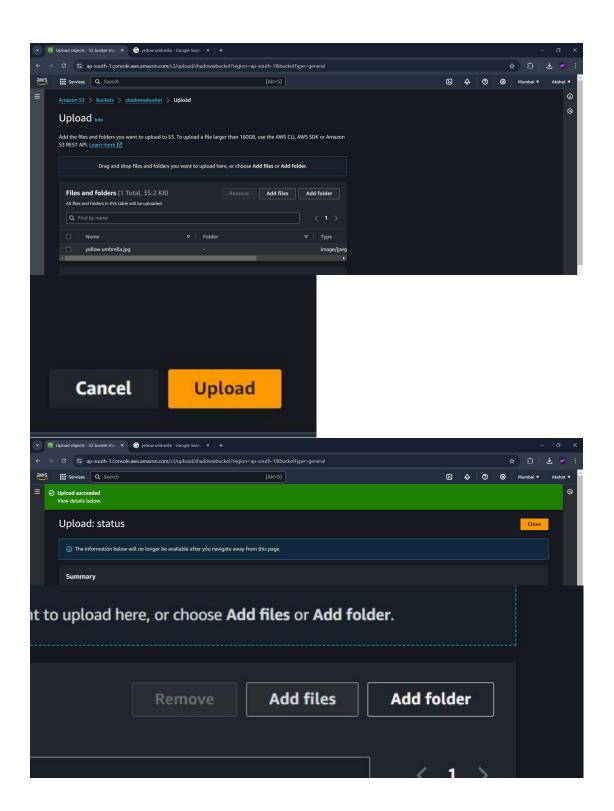
Slock public access to buckets and objects granted through new public bucket or access point policies
53 will block new bucket and access point policies that grant public access to buckets and objects. This setting doesn't change any existing policies that allow public access to 53 resources.

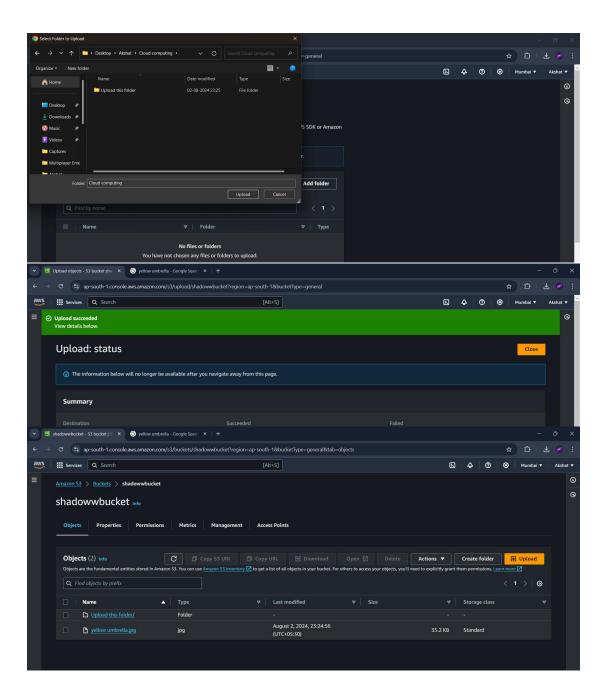
Block public and cross-account access to buckets and objects through any public bucket or access point policies

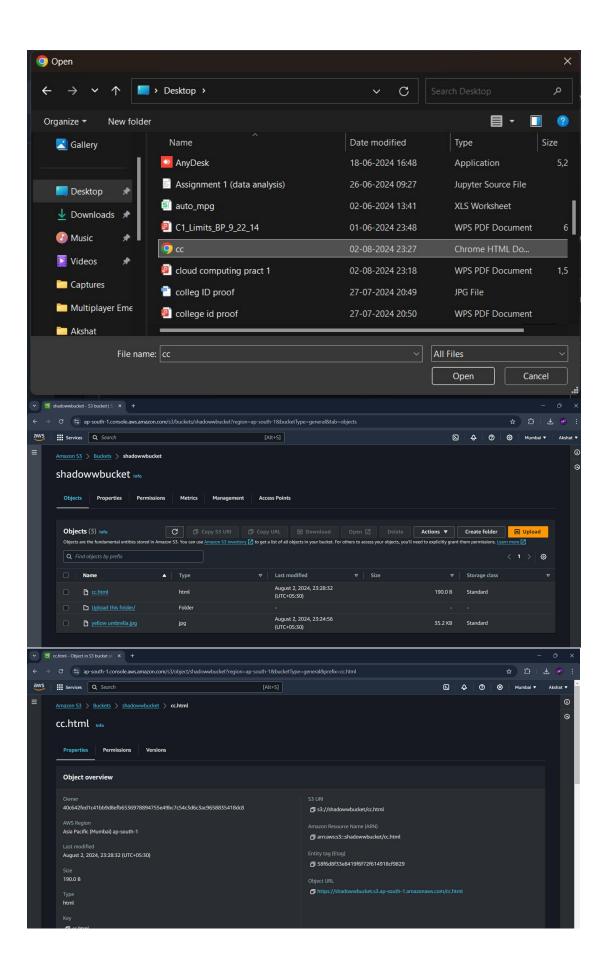
53 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.

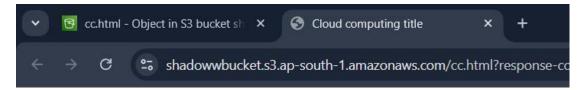












Write Your First Heading

Write Your First Paragraph.