

Bucket Versioning

Versioning in Amazon S3 is a means of keeping multiple variants of an object in the same bucket. You can use the S3 Versioning feature to preserve, retrieve, and restore every version of every object stored in your buckets.

Procedure :

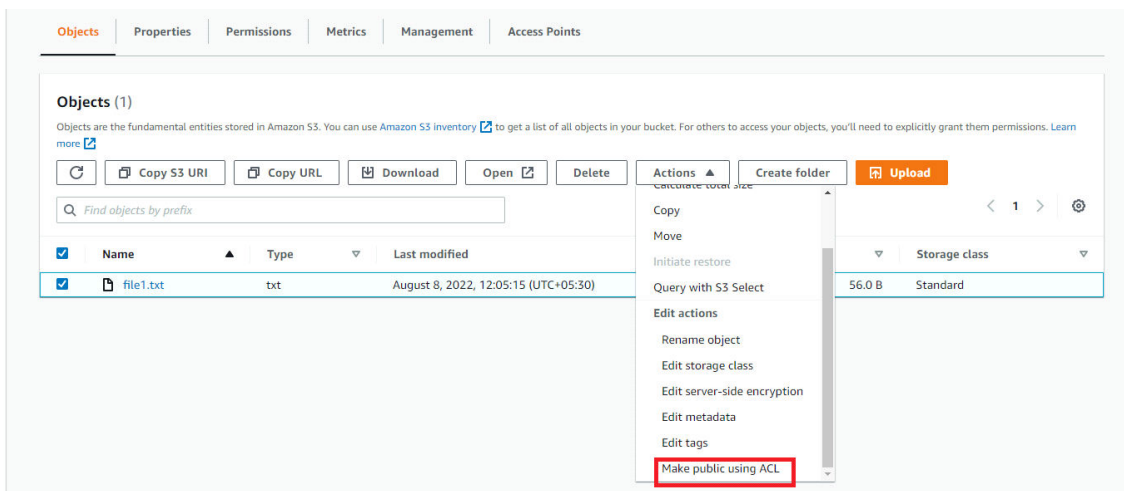
Step 1: Sign-In to AWS Console.

Step 2: Search for S3.

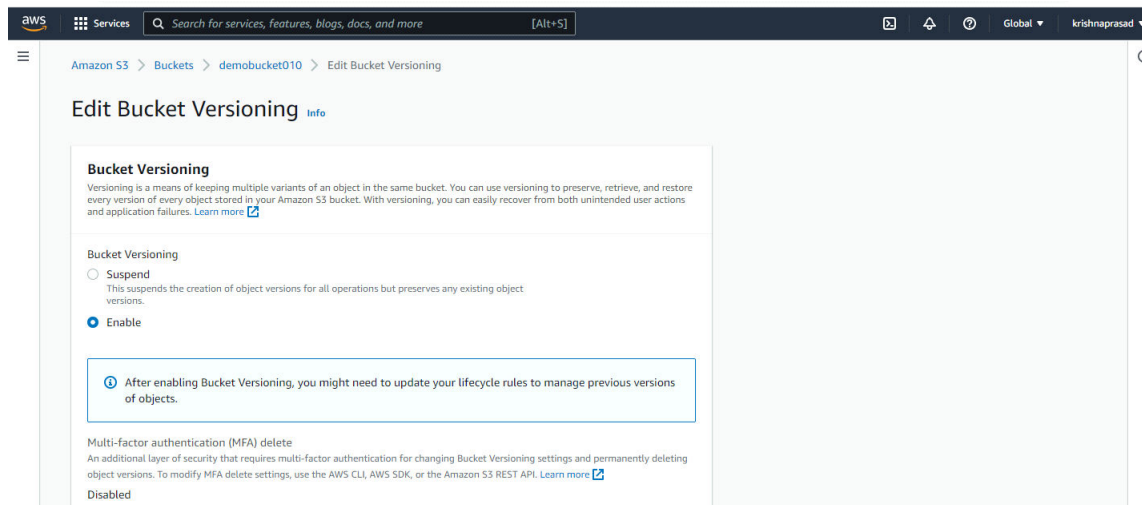
Step 3: Click on S3 and create a bucket name demobucket 010.

Step 4: Select region and uncheck public access settings.

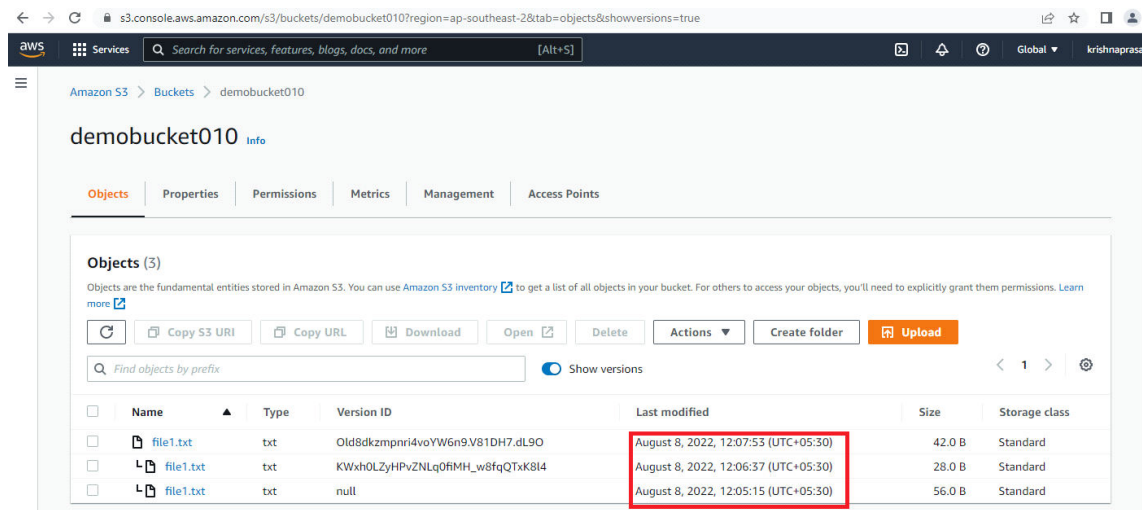
Step 5: Upload a file and give public access settings.



Step 6: Now, enable Bucket Versioning.



Step 7: After enabling the bucket versioning if you upload a latest file it shows you the latest version of the file along with last modified date and size of the file.



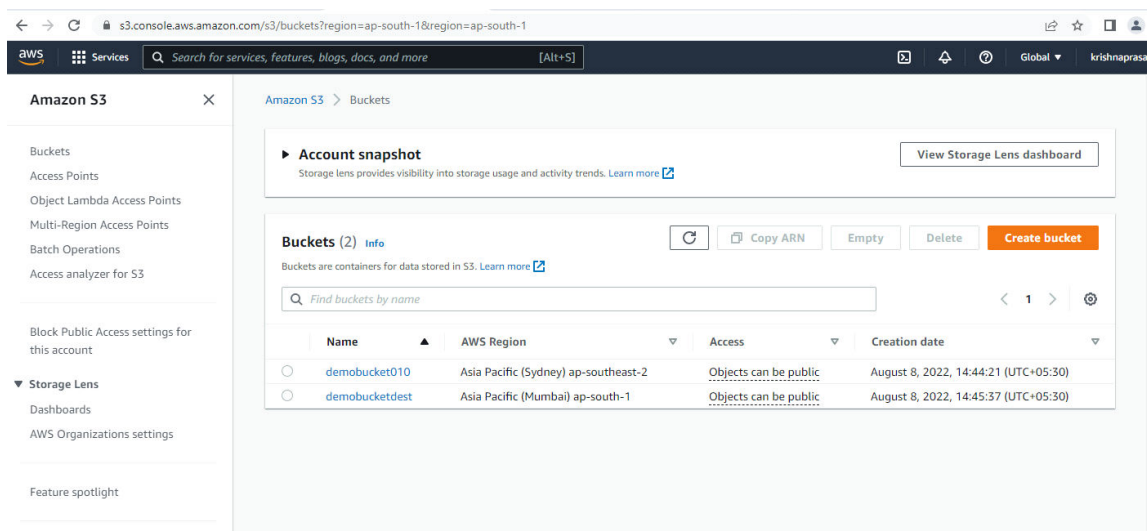
Cross-Region Replication

Replication enables automatic, asynchronous copying of objects across

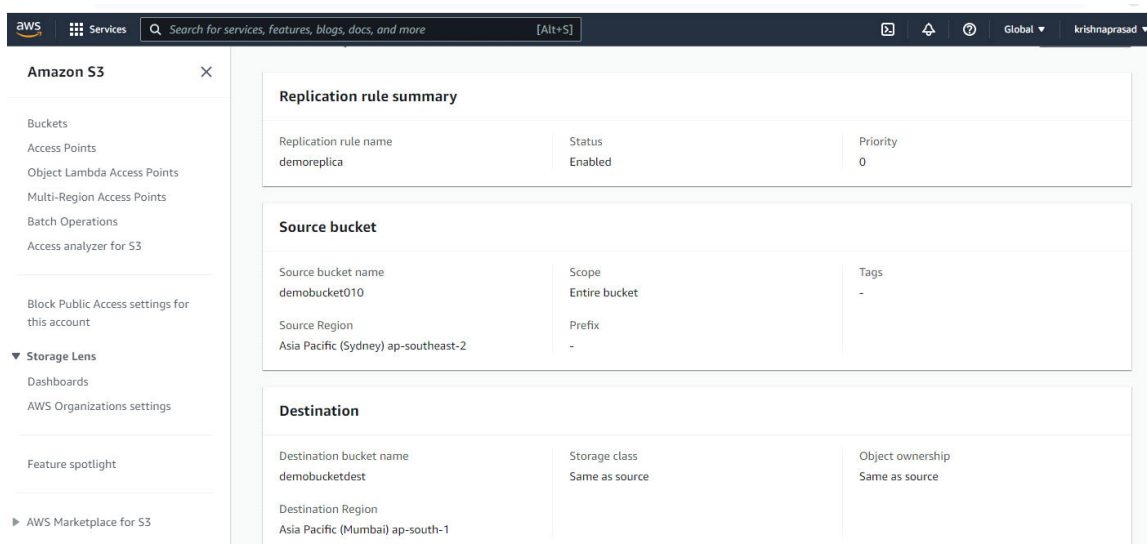
Amazon S3 buckets. Buckets that are configured for object replication can be owned by the same AWS account or by different accounts.

Procedure :

Step 1: Create two buckets of two different regions and upload a file to one bucket and give the required permissions.



Step 2 : Click on Management and create lifecycle replication rule.
Select Source bucket and Save.



Step 3: Create batch operations and select replicate option.

The screenshot shows the AWS Batch console for a job named '2022-08-08 - Replicate'. The job is in a 'Completed' state. The 'Overview' section displays the AWS Region as Asia Pacific (Sydney) ap-southeast-2, the date created as August 8, 2022, 14:47:16 (UTC+05:30), and the IAM role as s3replicate_role_for_demobucket010_1. The 'Status' section shows the job completed successfully on August 8, 2022, 14:49:49 (UTC+05:30), with 100% completion and 0 failed objects.

Overview		
AWS Region Asia Pacific (Sydney) ap-southeast-2	Description 2022-08-08 - Replicate	Job ARN arn:aws:s3:ap-southeast-2:211006100646:job/2b02a2e7-51f8-48ce-80a6-c17c6c55c1f6
Date created August 8, 2022, 14:47:16 (UTC+05:30)	Total objects listed in manifest 1	Priority 10
IAM role s3replicate_role_for_demobucket010_1		

Status		
Status Completed	Date completed August 8, 2022, 14:49:49 (UTC+05:30)	Reason for termination Job completed successfully
% Complete 100%	Total succeeded (rate) 1 (100%)	Total failed (rate) 0 (0%)
Time in active state 00:01:25		

Step 9 : Now, check whether batch operation is active and completed.

This screenshot is identical to the one in Step 3, showing the AWS Batch console for the '2022-08-08 - Replicate' job. The job is in a 'Completed' state, with 100% completion and 0 failed objects. The 'Status' section shows the job completed successfully on August 8, 2022, 14:49:49 (UTC+05:30).

Step 10 : Get back to the second bucket and do a final check whether file has replicated or not.

The screenshot shows the AWS S3 console for the bucket 'demobucketdest'. The bucket is highlighted with a red box. The 'Objects' tab is selected, showing a list of objects. A single object, 'download (1).jiff', is listed with a size of 6.4 KB and a storage class of Standard. The object is highlighted with a red box.

Amazon S3 > Buckets > demobucketdest

demobucketdest Info

Objects (1)

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](#)

Copy S3 URI Copy URL Download Open Delete Actions Create folder

Upload

Find objects by prefix Show versions

Name	Type	Last modified	Size	Storage class
download (1).jiff	jiff	August 8, 2022, 14:44:34 (UTC+05:30)	6.4 KB	Standard

