

Bucket versioning ,
Bucket replication ,
Server access logging

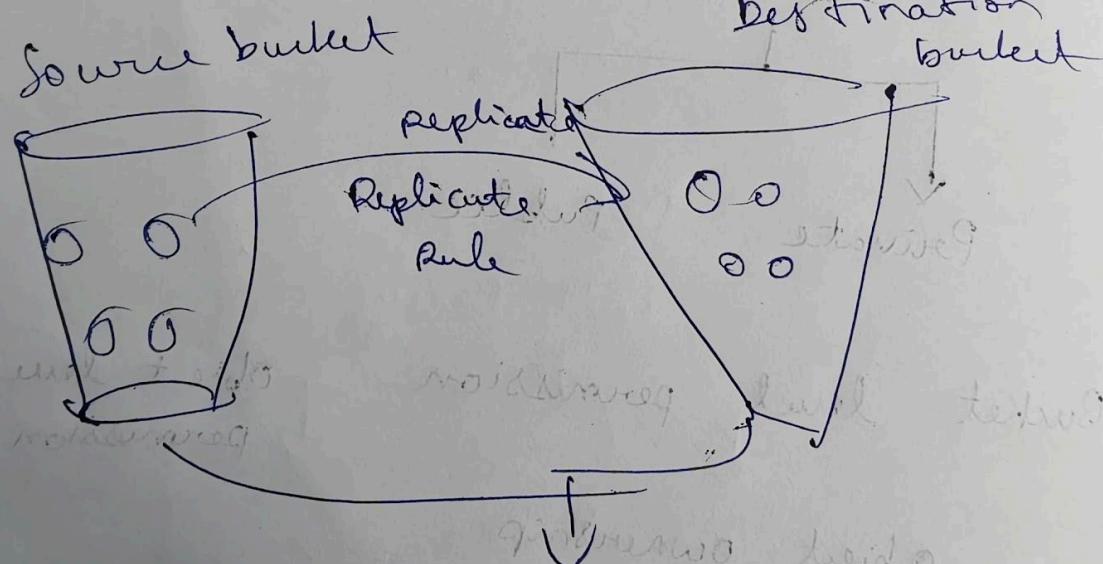
39 regions
123 zones

Bucket Replication :-

3 types -> SRR - Same Region Replication
CRR - Cross Region Replication
CAR - Cross Account Replication.

Bucket Replication:

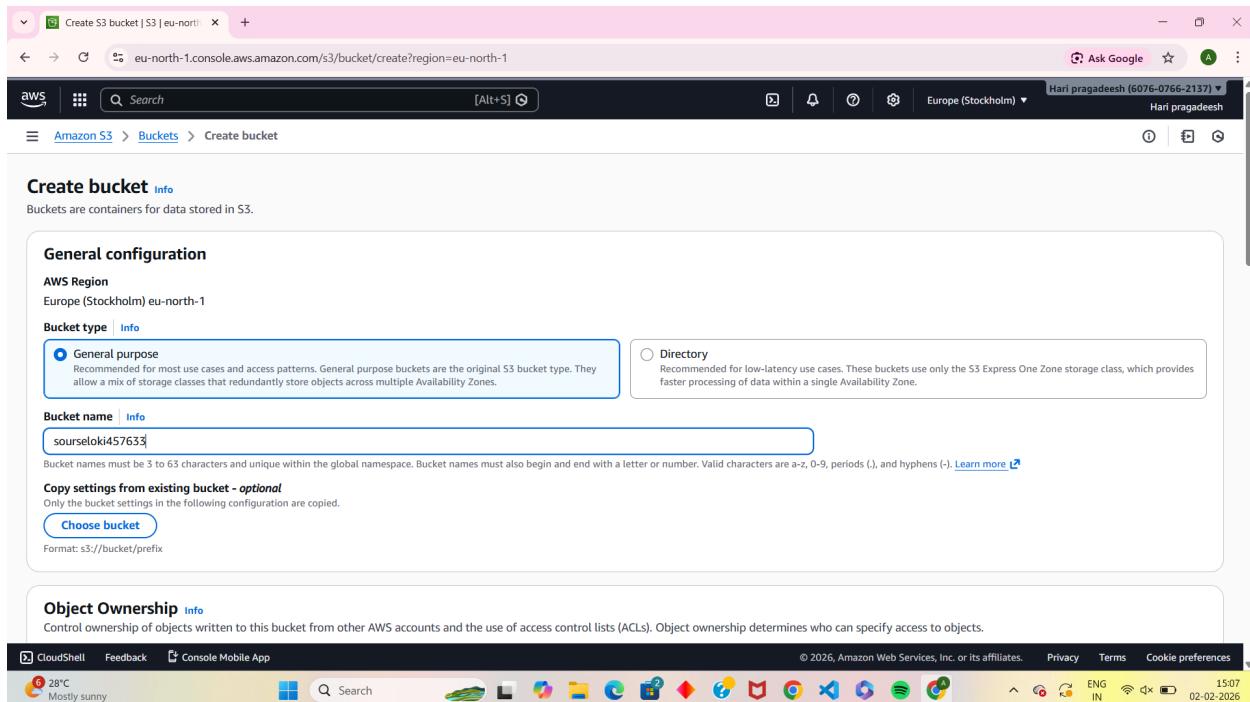
Copies the objects b/w 2 buckets.
automatically



Instructions to enable bucket versioning

Server Access Logging : To capture detailed information about the

Bucket versioning



This is the **Amazon S3 – Create bucket** page.

AWS region selected is **Europe (Stockholm) – eu-north-1**.

Bucket type selected is **General purpose** (recommended for most use cases).

General purpose buckets support **multiple storage classes** and **high durability**.

Directory bucket option is shown but **not selected** (used for low-latency, single AZ use cases).

Bucket name entered is **sourceloki457633**.

The screenshot shows the AWS S3 Bucket creation interface. At the top, there's a navigation bar with tabs like 'Create S3 bucket' and 'eu-north-1'. Below it is a search bar and a header bar with the AWS logo, user name 'Hari pragadeesh', and account information 'Europe (Stockholm)'. The main content area has a title 'Bucket Versioning' with a description about preserving multiple variants of objects. It includes a radio button for 'Enable' which is selected. A section for 'Tags - optional' follows, with a note about using tags for analysis and permissions, and a link to learn more. A blue box highlights a note about using S3 APIs for managing tags. Below this is a message stating 'No tags associated with this bucket' and a button to 'Add new tag'. The 'Default encryption' section is shown next, with a note about server-side encryption being applied to new objects. It includes an 'Encryption type' dropdown set to 'Server-side encryption with Amazon S3 managed keys (SSSE-S3)', a weather widget showing '28°C Mostly sunny', and a toolbar with various icons.

- **Bucket Versioning is enabled.**
- Versioning keeps **multiple versions of the same object**.
- Helps recover files from **accidental delete or overwrite**.
- **Tags section** is shown (optional).
- Tags are used for **cost tracking and management**.
- No tags are added yet.

The screenshot shows the AWS S3 console interface. At the top, a green banner displays the message "Successfully created bucket 'sourceloki457633'". Below this, the "General purpose buckets" tab is selected, showing one bucket named "sourceloki457633" located in the "Europe (Stockholm) eu-north-1" region, created on February 2, 2026, at 15:08:38 UTC+05:30. To the right, there are two informational boxes: "Account snapshot" and "External access summary". The browser's address bar shows the URL "eu-north-1.console.aws.amazon.com/s3/buckets?region=eu-north-1".

S3 bucket **sourceloki457633** created successfully.

Bucket type is **General purpose**.

Region is **Europe (Stockholm) – eu-north-1**.

Creation date and time are displayed.

Options shown: **Copy ARN, Empty, Delete, Create bucket**.

sourceloki457633 info

Objects (2)

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](#)

<input type="checkbox"/>	Name	Type	Version ID	Last modified	Size	Storage class
<input type="checkbox"/>	WhatsApp Image 2026-01-30 at 11.55.09 AM.jpeg	jpeg	85jCqU_fuACzkoQkpkTLRXREmPKSibuH	February 2, 2026, 15:10:03 (UTC+05:30)	44.5 KB	Standard
<input type="checkbox"/>	WhatsApp Image 2026-01-30 at 11.55.09 AM (1).jpeg	jpeg	WvaPODD_0lpGf6awytNqTeDmb4mEr6fv	February 2, 2026, 15:09:37 (UTC+05:30)	44.5 KB	Standard

Inside bucket **sourceloki457633**.

2 objects (JPEG images) are stored.

Versioning is enabled (multiple versions visible).

Each object has a **Version ID**.

Storage class is **Standard**.

The screenshot shows the AWS S3 console interface. At the top, there's a navigation bar with tabs for 'General purpose buckets' (selected) and 'All AWS Regions'. Below this, a table lists two buckets:

Name	AWS Region	Creation date
destinationjai6573	US East (N. Virginia) us-east-1	February 2, 2026, 15:12:54 (UTC+05:30)
sourceloki457633	Europe (Stockholm) eu-north-1	February 2, 2026, 15:08:38 (UTC+05:30)

To the right of the bucket list, there are two sections: 'Account snapshot' and 'External access summary', both with 'Updated daily' status indicators.

Two S3 buckets are listed.

destinationjai6573 in **US East (N. Virginia)**.

sourceloki457633 in **Europe (Stockholm)**.

Shows that **buckets can exist in different regions**.

Used for **cross-region replication**.

The screenshot shows the AWS S3 console with the URL eu-north-1.console.aws.amazon.com/s3/management/sourcesloki457633/replication/create?region=eu-north-1. The page is titled "Create replication rule - S3 buck". The top navigation bar includes "Search" and "[Alt+S]". The header shows "Hari pragadeesh (6076-0766-2137)" and "Europe (Stockholm)". The breadcrumb trail is "Amazon S3 > Buckets > sourcesloki457633 > Replication rules > Create replication rule".

Destination
You can replicate objects across buckets in different AWS Regions (Cross-Region Replication) or you can replicate objects across buckets in the same AWS Region (Same-Region Replication). You can also specify a different bucket for each rule in the configuration. [Learn more](#) or see [Amazon S3 pricing](#).

Choose a bucket in this account
 Specify a bucket in another account

Bucket name
Choose the bucket that will receive replicated objects.
destinationjai6573 [Browse S3](#)

Destination Region
US East (N. Virginia) us-east-1

IAM role
Permission to access the specified resources

Create new role
 Choose from existing IAM roles
 Enter IAM role ARN

Encryption
Server-side encryption protects data at rest.
 Replicate objects encrypted with AWS Key Management Service (AWS KMS)

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- Destination bucket **destinationjai6573**.
- **1 object** is present.
- File is replicated from the source bucket.
- Confirms **replication is working**.
- Storage class is **Standard**.

The screenshot shows the AWS S3 console with the URL eu-north-1.console.aws.amazon.com/s3/bucket/sourceloki457633/property/logging/edit?region=eu-north-1. The page title is "Edit server access logging - S3". The navigation bar includes "Amazon S3 > Buckets > sourceloki457633 > Edit server access logging". The main content area is titled "Server access logging" and contains the following information:

- Log requests for access to your bucket.** [Learn more](#)
- Server access logging**: Enable, Disable
- Bucket policy will be updated**: When you enable server access logging, the S3 console automatically updates your bucket policy to include access to the S3 log delivery group.
- Destination**: Specify a destination bucket in the Europe (Stockholm) eu-north-1 Region. To store your logs under a particular prefix, make sure that you include a slash (/) after the name of the prefix. Otherwise, the prefix will be added to the name of your log files.
s3://destinationjai86259 [Browse S3](#)
- Format:** s3://<bucket>/<optional-prefix-with-path>
- Destination Region**: Europe (Stockholm) eu-north-1
- Destination bucket name**: destinationjai86259
- Destination prefix**: -
- Log object key format**:
 - [DestinationPrefix][YYYY]-[MM]-[DD]-[hh]-[mm]-[ss]-[UniqueString]
 - [DestinationPrefix][SourceAccountId]/[SourceRegionId]/[SourceBucket]/[YYYY]/[MM]/[DD]/[YYYY]-[MM]-[DD]-[hh]-[mm]-[ss]-[UniqueString]To speed up analytics and query applications, use this format.

The browser status bar at the bottom shows: CloudShell, Feedback, Console Mobile App, 28°C Mostly sunny, Search, various icons, © 2026, Amazon Web Services, Inc. or its affiliates., Privacy, Terms, Cookie preferences, ENG IN, 02-02-2026, 15:26.

Server access logging is enabled.

Logs record **all requests made to the bucket**.

Logs are stored in another bucket (**destinationjai86259**).

AWS updates **bucket policy automatically**.

Used for **security auditing and monitoring**

The screenshot shows the AWS S3 console interface. At the top, there are two tabs: 'destinationjai86259 - S3 bucket' and 'destinationjai86259.s3.eu-north-1'. The main content area is titled 'Objects (18)' and contains a table of log objects. The columns in the table are Name, Type, Last modified, Size, and Storage class. The 'Last modified' column shows dates and times such as 'February 2, 2026, 15:55:48 (UTC+05:30)'. The 'Size' column shows file sizes like '1.2 KB' and '4.8 KB'. The 'Storage class' column shows 'Standard' for all objects. There are also icons for Actions, Create folder, and Upload at the top of the table. A search bar at the top left says 'Find objects by prefix'.

Name	Type	Last modified	Size	Storage class
2026-02-02-10-25-47-0E08A8ACCC5470997	-	February 2, 2026, 15:55:48 (UTC+05:30)	1.2 KB	Standard
2026-02-02-10-34-56-BAC23B91AFF78A59	-	February 2, 2026, 16:04:57 (UTC+05:30)	612.0 B	Standard
2026-02-02-10-35-40-2406933F798DADD	-	February 2, 2026, 16:05:41 (UTC+05:30)	612.0 B	Standard
2026-02-02-10-37-58-A33D6A6B097A0918	-	February 2, 2026, 16:07:59 (UTC+05:30)	1.2 KB	Standard
2026-02-02-10-44-32-B3AB49171615F7CA	-	February 2, 2026, 16:14:33 (UTC+05:30)	2.5 KB	Standard
2026-02-02-10-46-24-4FB22967D006E468C	-	February 2, 2026, 16:16:25 (UTC+05:30)	617.0 B	Standard
2026-02-02-10-49-57-AF116E5CC99A36FA	-	February 2, 2026, 16:19:58 (UTC+05:30)	617.0 B	Standard
2026-02-02-11-15-48-144718F5B0DC0CB6	-	February 2, 2026, 16:45:49 (UTC+05:30)	4.8 KB	Standard

Bucket name is **destinationjai86259**.

This bucket is used to **store server access logs**.

18 log objects are present in the bucket.

File names contain **date and time**, showing when requests occurred.