

1) Create s3 bucket and upload some objects to s3.

The screenshot shows the AWS S3 console with the bucket 'f1fast' selected. The left sidebar lists various S3 features like General purpose buckets, Directory buckets, Table buckets, etc. The main panel shows the 'Objects' tab with one item listed:

Name	Type	Last modified	Size	Storage class
AD5E441B-4257-4C4F-B538-D5FDEE467D14.jpeg	jpeg	August 4, 2025, 12:53:23 (UTC+05:30)	2.2 MB	Standard

2) Deploy static website in s3 bucket.

The screenshot shows the AWS S3 console with the bucket 'f1fast' selected. A green success message at the top states: "Successfully edited static website hosting." Below it, a note says: "Use this bucket to host a website or redirect requests." A callout box recommends using AWS Amplify Hosting for static website hosting, with links to "Create Amplify app" and "View your existing Amplify apps". The static website hosting configuration section shows:

- S3 static website hosting**: Enabled
- Hosting type**: Bucket hosting
- Bucket website endpoint**: <http://f1fast.s3-website-us-east-1.amazonaws.com>

3) Enable cross region replication on s3 buckets.

Amazon S3 > Buckets > california123

Replication rules (1)

Replication rule name	Status	Destination bucket	Destination Region	Priority	Scope	Storage class	Replica owner	Replication Time Control	KMS-encrypted objects (SSE-KMS or DSSE-KMS)	Replica modification sync
server788	Enabled	s3://patramgoud	US East (Ohio) us-east-2	0	Entire bucket	Same as source	Same as source	Disabled	Do not replicate	Disable

[View replication configuration](#)

Inventory configurations (0)

You can create inventory configurations on a bucket to generate a flat file list of your objects and metadata. These scheduled reports can include all objects in the bucket or be limited to a shared

Amazon S3 > Buckets > california123

Objects

Objects (2)

Name	Type	Last modified	Size	Storage class
Snaphat-1327200506.jpg	jpg	August 4, 2025, 17:26:46 (UTC+05:30)	660.3 KB	Standard
Snaphat-1709867143.jpg	jpg	August 4, 2025, 17:21:00 (UTC+05:30)	721.8 KB	Standard

Amazon S3 > Buckets

General purpose buckets

General purpose buckets (2)

Name	AWS Region	Creation date
california123	US East (N. Virginia) us-east-1	August 4, 2025, 17:20:03 (UTC+05:30)
patramgoud	US East (Ohio) us-east-2	August 4, 2025, 17:24:50 (UTC+05:30)

[Create bucket](#)

Account snapshot [Info](#) [View dashboard](#)
Updated daily
Storage Lens provides visibility into storage usage and activity trends.

External access summary - new [Info](#)
Updated daily
External access findings help you identify bucket permissions that allow public access or access from other AWS accounts.

Object management overview

The following bucket properties and object management configurations impact the behavior of this object.

Bucket properties

Bucket Versioning
When enabled, multiple variants of an object can be stored in the bucket to easily recover from unintended user actions and application failures.
Enabled

Management configurations

Replication status
When a replication rule is applied to an object the replication status indicates the progress of the operation.
COMPLETED

View replication rules

Expiration rule
You can use a lifecycle configuration to define expiration rules to schedule the removal of this object after a pre-defined time period.

Expiration date
The object will be made noncurrent and generate a delete marker on this date.

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](#)

Name	Type	Last modified	Size	Storage class
Snapchat-1327200506.jpg	jpg	August 4, 2025, 17:26:46 (UTC+05:30)	660.3 KB	Standard

4) Configure bucket policy, only Admin user can see the objects of s3 bucket.

Service menu

You can access all AWS services here. There are sections for recently visited and you can save your favorite services too.

Objects (1)

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Name	Type	Last modified	Size
Screenshot 2024-11-27_150810.png	png	August 4, 2025, 18:11:55 (UTC+05:30)	60.5

The screenshot shows the AWS S3 Buckets page. A modal window titled "Service menu" is open, displaying the message: "You can access all AWS services here. There are sections for recently visited and you can save your favorite services too." Below the modal, the main S3 interface is visible, showing a list of buckets under "General purpose buckets". One bucket, "mybaglap", is selected. On the right side of the page, there are two cards: "Account snapshot" and "External access summary - new".

5) Setup lifecycle policies to automatically transition or delete objects based on specific criteria.

The screenshot shows the AWS S3 Lifecycle configuration page for a rule named "lifecycle-rule1". The rule details are as follows:

- Lifecycle rule name:** lifecycle-rule1
- Status:** Enabled (indicated by a green checkmark)
- Scope:** Entire bucket
- Prefix:** -
- Object tags:** -
- Minimum object size:** - (Note: When no minimum object size is specified, the minimum object size for transitions is determined by the lifecycle configuration.)
- Maximum object size:** -

Below the rule details, there is a section titled "Review transition and expiration actions" which lists "Current version actions" and "Noncurrent versions actions". Both sections show "Day 0" as the action time.

The screenshot shows the AWS S3 Lifecycle configuration page. At the top, there are navigation links: S3, EC2, Route 53, IAM, EFS, VPC. Below that, the breadcrumb trail is: Amazon S3 > Buckets > crasss > Lifecycle configuration. The main title is "Lifecycle configuration". A sub-instruction says: "To manage your objects so that they are stored cost effectively throughout their lifecycle, configure their lifecycle. A lifecycle configuration is a set of rules that define actions that Amazon S3 applies to a group of objects. Lifecycle rules run once per day." Under "Default minimum object size for transitions", it says "All storage classes 128K". The section "Lifecycle rules (1)" contains a table with one row. The table columns are: Lifecycle rule name, Status, Scope, Current version transition, Noncurrent version transition, Expired object transition, and Incomplete multipart upload transition. The rule is named "lifecycle-rule1", is enabled, applies to the entire bucket, and transitions to Standard-IA.

6) Push some objects in s3 using AWS CLI.

The screenshot shows a terminal window with the AWS CLI running. The commands entered are:

```
aws s3 cp index.html s3://crasss/
upload: ./index.html to s3://crasss/index.html
[ec2-user@ip-172-31-81-177 ~]$ aws s3 sync aws/ s3://crasss/
upload: aws/devops to s3://crasss/devops
upload: aws/mahesh to s3://crasss/mahesh
upload: aws/jarus to s3://crasss/jarus
```

The terminal window has a dark background and light-colored text. It includes a header with browser tabs and a footer with system icons.

Objects (5)

Name	Type	Last modified	Size	Storage class
devops	-	August 4, 2025, 15:04:43 (UTC+05:30)	0 B	Standard
index.html	html	August 4, 2025, 15:00:07 (UTC+05:30)	8.0 B	Standard
jarus	-	August 4, 2025, 15:04:43 (UTC+05:30)	0 B	Standard
mahesh	-	August 4, 2025, 15:04:43 (UTC+05:30)	0 B	Standard

7) Write a bash script to create s3 bucket.

```
An error occurred (BucketAlreadyExists) when calling the CreateBucket operation: The requested bucket name is not available shared by all users of the system. Please select a different name and try again.
[ec2-user@ip-172-31-81-177 ~]$ chmod +x bash.sh
[ec2-user@ip-172-31-81-177 ~]$ ./bash.sh maverick us-east-1

An error occurred (BucketAlreadyExists) when calling the CreateBucket operation: The requested bucket name is not available shared by all users of the system. Please select a different name and try again.
[ec2-user@ip-172-31-81-177 ~]$ vi bash.sh
[ec2-user@ip-172-31-81-177 ~]$ ./bash.sh maverick us-east-1

An error occurred (BucketAlreadyExists) when calling the CreateBucket operation: The requested bucket name is not available shared by all users of the system. Please select a different name and try again.
✗ Failed to create bucket
[ec2-user@ip-172-31-81-177 ~]$ ./bash.sh maverick8008 us-east-1
{
  "Location": "/maverick8008"
}
✓ Bucket 'maverick8008' created successfully in region 'us-east-1'
[ec2-user@ip-172-31-81-177 ~]$
```

General purpose buckets (2) [Info](#)

Name	AWS Region	Creation date
crasss	US East (N. Virginia) us-east-1	August 4, 2025, 13:18:05 (UTC+05:30)
maverick8008	US East (N. Virginia) us-east-1	August 4, 2025, 15:16:54 (UTC+05:30)

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```
#!/bin/bash

# === Configuration ===

BUCKET_NAME=$1          # Pass bucket name as first argument
```

```

REGION=$2          # Pass AWS region as second argument (e.g., us-east-1)

# === Validation ===

if [[ -z "$BUCKET_NAME" || -z "$REGION" ]]; then
    echo "Usage: $0 <bucket-name> <region>"
    exit 1
fi

# === Create Bucket ===

if [[ "$REGION" == "us-east-1" ]]; then
    aws s3api create-bucket --bucket "$BUCKET_NAME"
else
    aws s3api create-bucket \
--bucket "$BUCKET_NAME" \
--region "$REGION" \
--create-bucket-configuration LocationConstraint="$REGION"
fi

# === Confirm Creation ===

if [[ $? -eq 0 ]]; then
    echo "✓ Bucket '$BUCKET_NAME' created successfully in region '$REGION'"
else
    echo "✗ Failed to create bucket"
fi

```

8) Upload one 1 gb of file to s3 using cli.

Name	Type	Last modified	Size	Storage class
berlin.bin	bin	August 4, 2025, 15:30:18 (UTC+05:30)	1.0 GB	Standard
devops	-	August 4, 2025, 15:04:43 (UTC+05:30)	0 B	Standard
index.html	html	August 4, 2025, 15:00:07 (UTC+05:30)	8.0 B	Standard

```
[ec2-user@ip-172-31-81-177 ~]$ fallocate -l 1G berlin.bin
[ec2-user@ip-172-31-81-177 ~]$ ls -lh berlin.bin
-rw-r--r--. 1 ec2-user ec2-user 1.0G Aug  4 09:58 berlin.bin
[ec2-user@ip-172-31-81-177 ~]$ aws s3 cp berlin.bin s3://crasss/
upload: ./berlin.bin to s3://crasss/berlin.bin
[ec2-user@ip-172-31-81-177 ~]$ █
```

File size: 1.0 GiB