

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

Account snapshot - updated every 24 hours All AWS Regions [View Storage Lens dashboard](#)

Storage lens provides visibility into storage usage and activity trends. Metrics don't include directory buckets. [Learn more](#)

General purpose buckets Info All AWS Regions

Buckets are containers for data stored in S3.

| Name | AWS Region | IAM Access Analyzer | Creation date |
|--|---------------------------------|---|-------------------------------------|
| <input type="radio"/> mybucket16062025 | US East (N. Virginia) us-east-1 | View analyzer for us-east-1 | June 16, 2025, 19:36:59 (UTC+05:30) |

mybucket16062025 Info

Objects Info Copy S3 URI Copy URL Download Open Delete Actions Create folder Upload

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](#)

☐ Show versions

| Name | Type | Last modified | Size | Storage class |
|---|------|-------------------------------------|---------|---------------|
| <input type="checkbox"/> AWSCLIV2.msi | msi | June 16, 2025, 19:40:22 (UTC+05:30) | 38.8 MB | Standard |
| <input type="checkbox"/> S3.docx | docx | June 16, 2025, 19:40:22 (UTC+05:30) | 23.4 KB | Standard |

2) Deploy static website in s3 bucket.

Account snapshot - updated every 24 hours All AWS Regions [View Storage Lens dashboard](#)

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General purpose buckets Info All AWS Regions

Buckets are containers for data stored in S3.

| Name | AWS Region | IAM Access Analyzer | Creation date |
|--|---------------------------------|---|-------------------------------------|
| <input type="radio"/> mybucket17062025 | US East (N. Virginia) us-east-1 | View analyzer for us-east-1 | June 17, 2025, 17:48:43 (UTC+05:30) |

mybucket17062025 [Info](#)

[Objects](#) | [Metadata](#) | [Properties](#) | [Permissions](#) | [Metrics](#) | [Management](#) | [Access Points](#)

Objects (2)

[Copy S3 URI](#)[Copy URL](#)[Download](#)[Open](#)[Delete](#)[Actions](#)[Create folder](#)[Upload](#)

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="text" value="Find objects by prefix"/> | | | | | | | | <input checked="" type="checkbox"/> Show versions | < 1 > | |
|---|----------------------------|------|-------------------------------------|--------|---------------|--|--|---|-------|--|
| <input type="checkbox"/> | Name | Type | Last modified | Size | Storage class | | | | | |
| <input type="checkbox"/> | error.html | html | June 17, 2025, 17:54:29 (UTC+05:30) | 15.0 B | Standard | | | | | |
| <input type="checkbox"/> | index.html | html | June 17, 2025, 17:54:30 (UTC+05:30) | 13.0 B | Standard | | | | | |

← → ↻ ⚠ Not secure mybucket17062025.s3-website-us-east-1.amazonaws.com

hello world

3) Enable cross region replication on s3 buckets.

Account snapshot - updated every 24 hours

[All AWS Regions](#)[View Storage Lens dashboard](#)

Storage lens provides visibility into storage usage and activity trends. Metrics don't include directory buckets. [Learn more](#)

[General purpose buckets](#) | [Directory buckets](#)

General purpose buckets (2)

[Info](#) [All AWS Regions](#)[Copy ARN](#)[Empty](#)[Delete](#)[Create bucket](#)

Buckets are containers for data stored in S3.

| <input type="text" value="Find buckets by name"/> | | | | < 1 > | |
|---|----------------------------------|---------------------------------|---|-------------------------------------|--|
| <input type="radio"/> | Name | AWS Region | IAM Access Analyzer | Creation date | |
| <input type="radio"/> | bucket1-17062025 | US East (N. Virginia) us-east-1 | View analyzer for us-east-1 | June 17, 2025, 18:33:38 (UTC+05:30) | |
| <input type="radio"/> | bucket2-17062025 | US East (Ohio) us-east-2 | View analyzer for us-east-2 | June 17, 2025, 18:41:29 (UTC+05:30) | |

bucket1-17062025 [Info](#)

[Objects](#) | [Metadata](#) | [Properties](#) | [Permissions](#) | [Metrics](#) | [Management](#) | [Access Points](#)

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](#)

Find objects by prefix

Show versions

| <input type="checkbox"/> | Name | Type | Last modified | Size | Storage class |
|--------------------------|----------------------------|------|-------------------------------------|--------|---------------|
| <input type="checkbox"/> | index.html | html | June 17, 2025, 19:06:31 (UTC+05:30) | 13.0 B | Standard |

[Objects](#) | [Metadata](#) | [Properties](#) | [Permissions](#) | [Metrics](#) | [Management](#) | [Access Points](#)

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](#)

Find objects by prefix

Show versions

| <input type="checkbox"/> | Name | Type | Last modified | Size | Storage class |
|--------------------------|---|--------|-------------------------------------|--------|---------------|
| <input type="checkbox"/> | index.html | html | June 17, 2025, 19:06:31 (UTC+05:30) | 13.0 B | Standard |
| <input type="checkbox"/> | job-48d143ea-d0cf-4215-a01a-4d91b29b21a2/ | Folder | - | - | - |

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

Identity and Access Management (IAM)

Search IAM

Dashboard

Access management

User groups

[Users](#)

Roles

Policies

Identity providers

Account settings

Root access management [New](#)

Access reports

Access Analyzer

1 policy added

[Permissions](#) | [Groups](#) | [Tags](#) | [Security credentials](#) | [Last Accessed](#)

Permissions policies (2)

Permissions are defined by policies attached to the user directly or through groups.

Filter by Type

Search

All types

| <input type="checkbox"/> | Policy name | Type | Attached via |
|--------------------------|-------------------------------------|----------------------------|--------------|
| <input type="checkbox"/> | AdministratorAccess | AWS managed - job function | Directly |
| <input type="checkbox"/> | AmazonS3FullAccess | AWS managed | Directly |

► Permissions boundary (not set)

► Account snapshot - updated every 24 hours All AWS Regions

Storage lens provides visibility into storage usage and activity trends. Metrics don't include directory buckets. [Learn more](#)

[View Storage Lens dashboard](#)

General purpose buckets

Directory buckets

General purpose buckets (1) Info All AWS Regions

Buckets are containers for data stored in S3.

Find buckets by name



Copy ARN

Empty

Delete

Create bucket

| Name | AWS Region | IAM Access Analyzer | Creation date |
|------------------|---------------------------------|---|-------------------------------------|
| mybucket06202025 | US East (N. Virginia) us-east-1 | View analyzer for us-east-1 | June 20, 2025, 14:58:33 (UTC+05:30) |

Successfully edited bucket policy.

Off

► Individual Block Public Access settings for this bucket

Bucket policy

The bucket policy, written in JSON, provides access to the objects stored in the bucket. Bucket policies don't apply to objects owned by other accounts. [Learn more](#)

Edit

Delete

```
{
  "Version": "2012-10-17",
  "Statement": [
    {
      "Sid": "AllowAdminUserToAccessBucketObjects",
      "Effect": "Allow",
      "Principal": {
        "AWS": "arn:aws:iam::866018956544:user/admin"
      },
      "Action": [
        "s3:GetObject"
      ]
    }
  ]
}
```

Copy

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

transition [Info](#) [Edit](#) [Delete](#) [Actions](#)

Lifecycle rule configuration

Lifecycle rule name
transition

Status
Enabled

Scope
Filtered

Prefix
rule1

Object tags
-

Minimum object size
-

When no minimum object size is specified, the minimum object size for transitions is determined by the lifecycle configuration. [Learn more](#)

Maximum object size
-

Review transition and expiration actions

Current version actions

Day 0
No actions defined.

Noncurrent versions actions

Day 0
• Objects become noncurrent

Review transition and expiration actions

Current version actions

Day 0
No actions defined.

Noncurrent versions actions

Day 0
• Objects become noncurrent

↓

Day 30
• 2 newest noncurrent versions are retained
• All other noncurrent versions move to Standard-IA

6) Push some objects in s3 using AWS CLI.

```
PC@DESKTOP-8IM0QCN MINGW64 ~
$ cd downloads/

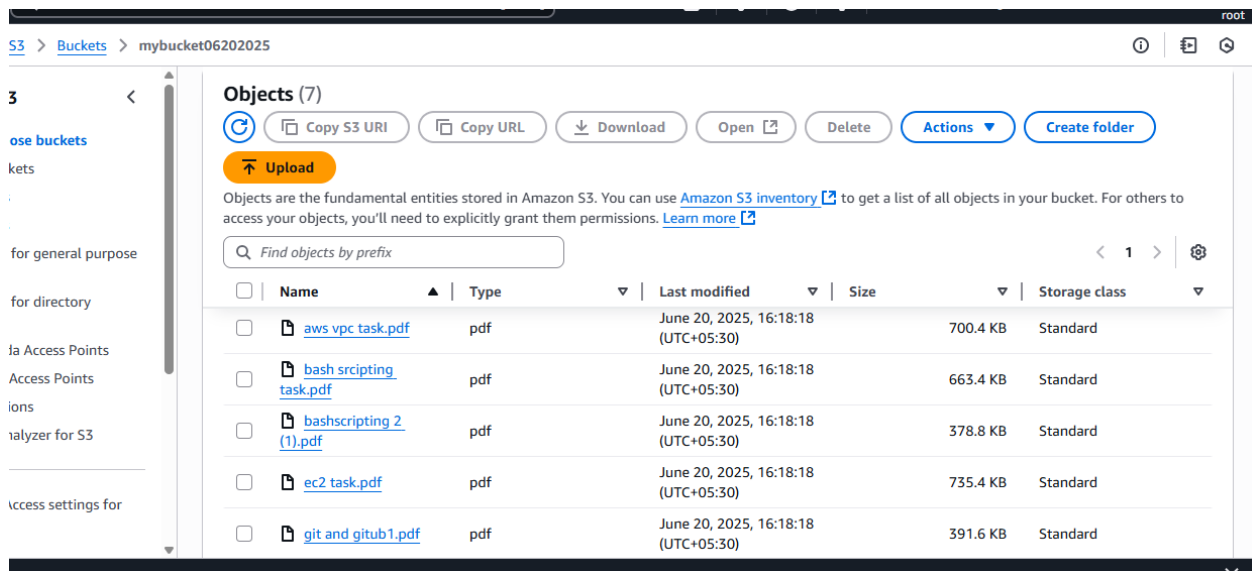
PC@DESKTOP-8IM0QCN MINGW64 ~/downloads
$ aws configure
AWS Access Key ID [*****THE7]: AKIA4TIWASUAOUFGCBUU
AWS Secret Access Key [*****Ctnn]: 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
Default region name [us-east-1]: us-east-1
Default output format [json]: json

PC@DESKTOP-8IM0QCN MINGW64 ~/downloads
$ |

PC@DESKTOP-8IM0QCN MINGW64 ~/Downloads
$ aws s3 cp "/c/Users/PC/Downloads/iam_notes" s3://mybucket06202025/
upload: .\iam_notes to s3://mybucket06202025/iam_notes

PC@DESKTOP-8IM0QCN MINGW64 ~/Downloads
$ aws s3 cp "/c/Users/PC/OneDrive/Devops/tasks" s3://mybucket06202025/ --recursive
upload: OneDrive\Devops\tasks\bashscripting 2 (1).pdf to s3://mybucket06202025/bashscripting 2 (1).pdf
upload: OneDrive\Devops\tasks\vpc task2.pdf to s3://mybucket06202025/vpc task2.pdf
upload: OneDrive\Devops\tasks\git and gitub1.pdf to s3://mybucket06202025/git and gitub1.pdf
upload: OneDrive\Devops\tasks\bash scripting task.pdf to s3://mybucket06202025/bash scripting task.pdf
upload: OneDrive\Devops\tasks\ec2 task.pdf to s3://mybucket06202025/ec2 task.pdf
upload: OneDrive\Devops\tasks\aws vpc task.pdf to s3://mybucket06202025/aws vpc task.pdf

PC@DESKTOP-8IM0QCN MINGW64 ~
$ aws s3 ls s3://mybucket06202025/
2025-06-20 16:18:18 717199 aws vpc task.pdf
2025-06-20 16:18:18 679320 bash scripting task.pdf
2025-06-20 16:18:18 387931 bashscripting 2 (1).pdf
2025-06-20 16:18:18 753033 ec2 task.pdf
2025-06-20 16:18:18 401000 git and gitub1.pdf
2025-06-20 16:12:00 2325 iam_notes
2025-06-20 16:18:18 844291 vpc task2.pdf
```



7) Write a bash script to create s3 bucket.

```
PC@DESKTOP-8IM0QCN MINGW64 ~/Downloads
$ vi create_s3_bucket.sh

PC@DESKTOP-8IM0QCN MINGW64 ~/Downloads
$ chmod +x create_s3_bucket.sh

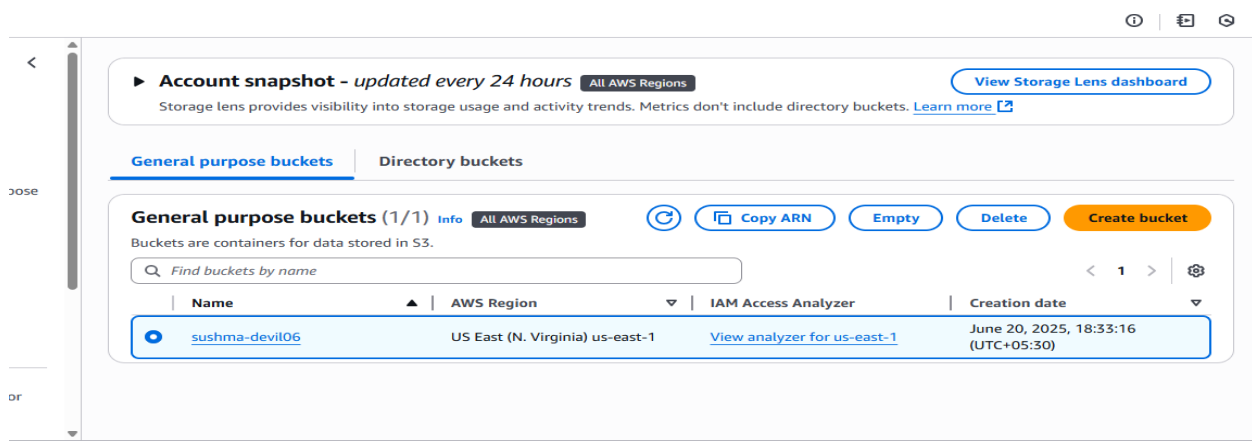
PC@DESKTOP-8IM0QCN MINGW64 ~/Downloads
$ ./create_s3_bucket.sh

An error occurred (InvalidBucketName) when calling the CreateBucket operation: The specified bucket is not valid.

PC@DESKTOP-8IM0QCN MINGW64 ~/Downloads
$ vi create_s3_bucket.sh

PC@DESKTOP-8IM0QCN MINGW64 ~/Downloads
$ chmod +x create_s3_bucket.sh

PC@DESKTOP-8IM0QCN MINGW64 ~/Downloads
$ ./create_s3_bucket.sh
{
  "Location": "/sushma-devil06"
}
```



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

```

PC@DESKTOP-8IM0QCN MINGW64 ~/Downloads
$ dd if=/dev/zero of=testfile.bin bs=1M count=1024

1024+0 records in
1024+0 records out
1073741824 bytes (1.1 GB, 1.0 GiB) copied, 1.18006 s, 910 MB/s

PC@DESKTOP-8IM0QCN MINGW64 ~/Downloads
$

PC@DESKTOP-8IM0QCN MINGW64 ~/Downloads
$ aws s3 cp testfile.bin s3://your-bucket-name/
upload failed: .\testfile.bin to s3://your-bucket-name/testfile.bin An error occurred (AllAccessDisabled) when calling the CreateMultipartUpload operation: Access Denied

PC@DESKTOP-8IM0QCN MINGW64 ~/Downloads
$ ^C

PC@DESKTOP-8IM0QCN MINGW64 ~/Downloads
$ upload failed: .\testfile.bin to s3://mybucket06202025/testfile.bin An error occurred (NoSuchBucket) when calling the CreateMultipartUpload operation: The specified bucket does not exist

PC@DESKTOP-8IM0QCN MINGW64 ~/Downloads
$ aws s3 cp testfile.bin s3://sushma-devil06/
upload: .\testfile.bin to s3://sushma-devil06/testfile.bin

```

[Alt+S]

United States (N. Virginia)
Account ID: 8660-1895-6544
root

S3 > Buckets > sushma-devil06

S3

pose buckets

uckets

ts

ts

s for general purpose

s for directory

nda Access Points

1 Access Points

itions

alyzer for S3

Access settings for

sushma-devil06 Info

Objects

Metadata

Properties

Permissions

Metrics

Management

Access Points

Objects (1/1)

Copy S3 URI

Copy URL

Download

Open

Delete

Actions

Create folder

Upload

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](#)

< 1 >

| <input checked="" type="checkbox"/> | Name | Type | Last modified | Size | Storage class |
|-------------------------------------|--------------|------|-------------------------------------|--------|---------------|
| <input checked="" type="checkbox"/> | testfile.bin | bin | June 20, 2025, 18:38:32 (UTC+05:30) | 1.0 GB | Standard |