

AWS S3: Simple Storage Service || Scalable storage in cloud (Store and retrieve any amount of data from anywhere)

What is S3? ---> Unlimited storage

Why we need S3?

Advantages of S3

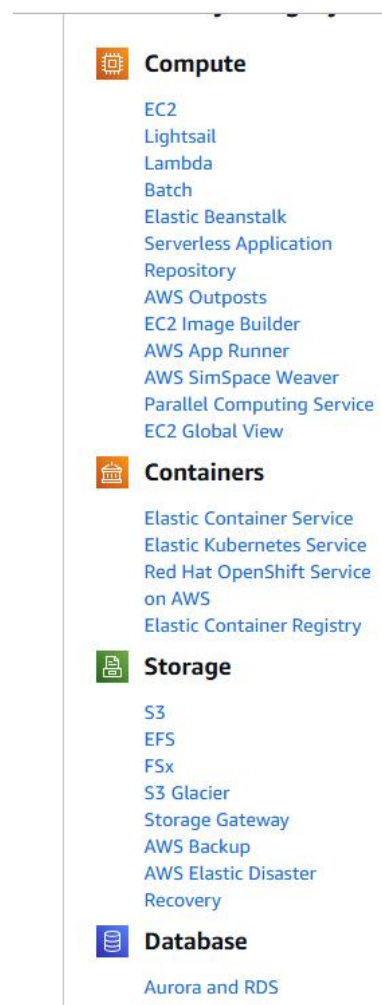
Working with S3

Real-time use-cases

Simple Storage Service ---> Unlimited Storage ---> it stores data in the form of Object Based Storage (file)

Examples of files: txt, pdf, word, excel, audio, video, png,.....

In Storage we have multiple options:



---> S3 will maintain buckets and in one bucket we can store multiple objects ---> (Object means file)

Select ACLs enabled

Bucket name

Info

MyS3Bucket

Bucket names must be 3 to 63 characters and unique within the global namespace. Bucket names must also begin and end with a letter or number. Valid characters are a-z, 0-9, periods (.), and hyphens (-). [Learn more](#)

Copy settings from existing bucket - optional
Only the bucket settings in the following configuration are copied.

Choose bucket

Format: s3://bucket/prefix

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 in this bucket.

☐ 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.

⚠️ We recommend disabling ACLs, unless you need to control access for each object individually or to have the object writer own the data they upload. Using a bucket policy instead simplifies permissions management and auditing.

Object Ownership

☒ Bucket owner preferred
If new objects written to this bucket specify the bucket-owner-full-control canned ACL, they are owned by the bucket owner. Otherwise, they are owned by the object writer.

☐ Object writer
The object writer remains the object owner.

ℹ️ If you want to enforce object ownership for new objects only, your bucket policy must specify that the bucket-owner-full-control canned ACL is required for object uploads. [Learn more](#)

If you want everyone to access bucket:

> [Buckets](#) > Create bucket

Block Public Access settings for this bucket

Public access is granted to buckets and objects through access control lists (ACLs), bucket policies, access point policies, or all. In order to ensure that public access is applied only to this bucket and its access points, AWS recommends that you turn on Block all public access, but before applying any of these settings, you can customize the individual settings below to suit your specific storage use cases. [Learn more](#)

☐ 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.

☐ 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.

☐ Block public access to buckets and objects granted through **new** public bucket or access point policies
S3 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.

☐ Block public and cross-account access to buckets and objects through **any** public bucket or access point policies
S3 will ignore public and cross-account access for buckets or access points with policies that grant public access to buckets and objects.

⚠️ Turning off block all public access might result in this bucket and the objects within becoming public
AWS recommends that you turn on block all public access, unless public access is required for specific and verified use cases such as static website hosting.

☒ I acknowledge that the current settings might result in this bucket and the objects within becoming public.

Bucket Versioning

Versioning is a means of keeping multiple variants of an object in the same bucket. You can use versioning to preserve, retrieve, and restore objects deleted by both unintended user actions and application failures. [Learn more](#)

Bucket Versioning

☐ Disable

☒ Enable

Enable Bucket Versioning, all others default

Tags - optional (0)

You can use bucket tags to track storage costs and organize buckets. [Learn more](#)

No tags associated with this bucket.

Add tag

Default encryption [Info](#)

Server-side encryption is automatically applied to new objects stored in this bucket.

Encryption type [Info](#)

☒ Server-side encryption with Amazon S3 managed keys (SSE-S3)

☐ Server-side encryption with AWS Key Management Service keys (SSE-KMS)

☐ Dual-layer server-side encryption with AWS Key Management Service keys (DSSE-KMS)

Secure your objects with two separate layers of encryption. For details on pricing, see DSSE-KMS pricing on the Storage tab of the [Amazon S3 pricing page](#)

Bucket Key

Using an S3 Bucket Key for SSE-KMS reduces encryption costs by lowering calls to AWS KMS. S3 Bucket Keys aren't supported for DSSE-KMS. [Learn more](#)

☐ Disable

☒ Enable

Advanced settings

After creating the bucket, you can upload files and folders to the bucket, and configure additional bucket settings.

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

CancelCreate bucket

General purpose buckets

Directory buckets

General purpose buckets (1) [Info](#) [All AWS Regions](#)

Copy ARN

Empty

Delete

Create bucket

Buckets are containers for data stored in S3.

Find buckets by name

< 1 >

Name	AWS Region	IAM Access Analyzer	Creation date
<input type="radio"/> mybucket654	Canada (Central) ca-central-1	View analyzer for ca-central-1	March 16, 2025, 13:36:33 (UTC-04:00)

Upload [Info](#)

Add the files and folders you want to upload to S3. To upload a file larger than 160GB, use the AWS CLI, AWS SDKs or Amazon S3 REST API. [Learn more](#)

Drag and drop files and folders you want to upload here, or choose **Add files** or **Add folder**.

Files and folders (1 total, 2.4 MB)

Remove

Add files

Add folder

All files and folders in this table will be uploaded.

Find by name

< 1 >

<input checked="" type="checkbox"/>	Name	Folder	Type	Size
<input checked="" type="checkbox"/>	AWS_RDS_S3.docx	-	application/vnd.openxmlformats-officedocument.wordprocessingml.document	2.4 MB

Destination [Info](#)

Destination

s3://mybucket654 [Info](#)

Destination details

Bucket settings that impact new objects stored in the specified destination.

Permissions

Grant public access and access to other AWS accounts.

Properties

Specify storage class, encryption settings, tags, and more.

CancelUpload

Upload succeeded
For more information, see the [Files and folders](#) table.

Upload: status

After you navigate away from this page, the following information is no longer available.

Summary

Destination
s3://mybucket654

Succeeded
1 file, 2.4 MB (100.00%)

Failed
0 files, 0 B (0.00%)

Files and folders

Configuration

Files and folders (1 total, 2.4 MB)

Find by name

Name	Folder	Type	Size	Status
AWS_RDS_S3.docx	-	application/vnd.openxmlformats-...	2.4 MB	Succeeded

Click on filename first then Permissions

mybucket654 > AWS_RDS_S3.docx

AWS_RDS_S3.docx

Copy S3 URI Download

Properties Permissions Versions

Access control list (ACL)

Grant basic read/write permissions to AWS accounts. [Learn more](#)

Grantee	Object
Object owner (your AWS account) Canonical ID: ec4a35908cf2521684b9fdb987aa35d6ac1c5c5bd07db486a7cc7d49a2a1bdc7	Read
Everyone (public access) Group: http://acs.amazonaws.com/groups/global/AllUsers	-
Authenticated users group (anyone with an AWS account) Group: http://acs.amazonaws.com/groups/global/AuthenticatedUsers	-

Access Control List (ACL)

Edit give only Read access to public

Edit access control list

Access control list (ACL)

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Grantee	Objects
Object owner (your AWS account) Canonical ID: ec4a35908cf2521684b9fdb987aa35d6ac1c5c5bd07db486a7cc7d49a2a1bdc7	<input checked="" type="checkbox"/> Read
Everyone (public access) Group: http://acs.amazonaws.com/groups/global/AllUsers	<input checked="" type="checkbox"/> <input checked="" type="checkbox"/> Read
Authenticated users group (anyone with an AWS account) Group: http://acs.amazonaws.com/groups/global/AuthenticatedUsers	<input type="checkbox"/> Read

Go back to Bucket and Copy URL

mybucket654 [Info](#)

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

Objects (1/1) [Refresh](#) [Copy S3 URI](#) [Copy URL](#)

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.

☐ Show versions

<input checked="" type="checkbox"/>	Name	Type	Last modified
<input checked="" type="checkbox"/>	AWS_RDS_S3.docx	docx	March 16, 2025, 13:43:14 (UT

Now this URL should be accessible from anywhere
Delete immediately after creating service

For Billing, go to Billing and Cost management

Support Center <

Account number: 577638386543
Support plan: Basic [Change](#)
[View support plans](#)

Your support cases
[AWS Support App in Slack](#)
[Compute Optimizer](#)
[AWS Health Dashboard](#)
[Trusted Advisor](#)

▼ **AWS Knowledge resources**
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Hello!

Quick solutions

☒ Account and Billing ☐ Technical

Topic
[Billing](#)
[Account](#)
[Account Management](#)
[Free Tier](#)
[Getting Started](#)
[Education](#)

Top articles
[Learn what to do when your Free Tier period expires](#)
[Allow an IAM user to view my account's billing information](#)
[Learn about the AWS Free Tier](#)
[Managing your costs with AWS Budgets](#)
[Creating a billing alarm to monitor your estimated AWS charges](#)

Go to Create case --> Account and Billing

Hello! We're here to help.

Account: 577638386543 • Support plan: Basic • [Change](#)



How can we help?

[Additional information](#)

[Solve now or contact us](#)

How can we help?

Choose the related issue for your case.

[Looking for service quota increases?](#)

☒ **Account and billing**
Assistance for your account, such as billing, pricing, and reserved instances.

☐ **Technical**
Support for service-related technical issues, such as Amazon EC2, Amazon S3 and more.

Service

Select or search for a service

Category

Select or search for a category

Severity [Info](#)

General question

[Cancel](#)

[Next step: Additional information](#)

Select 'Billing' and 'Consolidated Billing'

Service

Billing

Category

Consolidated Billing

Severity [Info](#)

General question

Recommendations to common "Billing, Consolidated Billing" questions

[Questions about your AWS Europe invoices.](#)

[How do I link an account to my consolidated bill?](#)

[Why does the "blended" annotation appear on some line items in my bill?](#)

[► See more recommendations](#)

[Cancel](#)

[Next step: Additional information](#)

Click Next step

Additional information

Describe your question or issue.

Preferred contact language - [New](#)

English

Subject

Briefly summarize your question or issue

Maximum 250 characters (250 remaining)

Description

Don't share any sensitive information in case correspondences, such as credentials, credit cards, signed URLs, or personally identifiable information.

[Learn more](#)

Describe your question or issue in detail

Maximum 8000 characters (8000 remaining)

[Attach files](#)

You can attach up to 3 files. Each file can be up to 5 MB.

Cancel

Previous

Next step: Solve now or contact us