

Amazon Simple Storage Service



What is Amazon S3?

- Amazon Simple Storage Service is storage for the Internet.
- It is designed to make web-scale computing easier for developers.
- Amazon S3 has a simple web services interface that you can use to store and retrieve any amount of data, at any time, from anywhere on the web.
- It gives any developer access to the same highly scalable, reliable, fast, inexpensive data storage infrastructure that Amazon uses to run its own global network of web sites.

Rules for Naming S3

- Bucket names must be unique across all existing bucket names in Amazon S3.
- Bucket names must comply with DNS naming conventions.
- Bucket names must be at least 3 and no more than 63 characters long.
- Bucket names must not contain uppercase characters or underscores.
- Bucket names must start with a lowercase letter or number.
- Bucket names must be a series of one or more labels. Adjacent labels are separated by a single period (.). Bucket names can contain lowercase letters, numbers, and hyphens. Each label must start and end with a lowercase letter or a number.
- Bucket names must not be formatted as an IP address (for example, 192.168.5.4)
- Recommended that you do not use periods (".") in bucket names when using virtual hosted–style buckets.

Bucket Restrictions and Limitations

- By default, you can create up to 100 buckets in each of your AWS accounts.
- If you need additional buckets, you can increase your account bucket limit to a maximum of 1,000 buckets by submitting a service limit increase.
- Bucket ownership is not transferable; however, if a bucket is empty, you can delete it.
- After a bucket is deleted, the name becomes available to reuse.

Bucket Restrictions and Limitations

- There is no limit to the number of objects that can be stored in a bucket .
- You can store all of your objects in a single bucket, or you can organize them across several buckets.

S3 Bucket Features

- **Low cost and Easy to Use** – Using Amazon S3, the user can store a large amount of data at very low charges.
- **Secure** – Amazon S3 supports data transfer over SSL and the data gets encrypted automatically once it is uploaded. The user has complete control over their data by configuring bucket policies using AWS IAM.
- **Scalable** – Using Amazon S3, there need not be any worry about storage concerns. We can store as much data as we have and access it anytime.
- **Higher performance** – Amazon S3 is integrated with Amazon CloudFront, that distributes content to the end users with low latency and provides high data transfer speeds without any minimum usage commitments.
- **Integrated with AWS services** – Amazon S3 integrated with AWS services include Amazon CloudFront, Amazon CloudWatch, Amazon Kinesis, Amazon RDS, Amazon Route 53, Amazon VPC, AWS Lambda, Amazon EBS, Amazon Dynamo DB, etc.



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THANK YOU
ANY QUESTIONS?

