

Amazon S3

(Simple Storage Service) is a cloud storage service provided by AWS (Amazon Web Services).

Key points about S3 for storage:

- **Meaning:** S3 = Simple Storage Service.
- **Purpose:** It is used to store and retrieve any amount of data, at any time, from anywhere on the web.
- **Storage Type:** Object storage (not block storage like EBS, not file storage like EFS).
- **Data Organization:** Data is stored as **objects** inside **buckets**.
 - **Bucket** = container (like a folder).
 - **Object** = file + metadata.
- **Durability & Availability:**
 - 99.999999999% (11 nines) durability.
 - Highly available and automatically replicated across multiple servers.
- **Use cases:**
 - Backup & recovery
 - Static website hosting
 - Big data & analytics
 - Media storage (images, videos, etc.)
 - Software & app distribution