

Storage:

- File storage
- Block storage
- Object storage



Block Storage



Amazon EBS

Easy to use, high performance block storage.

Object Storage



Amazon S3

Store and retrieve any amount of data
from anywhere in the world.


Backup



AWS Backup


Centrally manage and automate backups across AWS services.

Data Transfer




AWS Storage Gateway

Provide on-premises access to unlimited cloud storage.




AWS Transfer Family

Transfer files to Amazon S3 using SFTP, FTP and FTPS.



AWS DataSync

Easily transfer data to and from AWS up to 10 times faster than normal.



Selecting S3 and S3 glacier:

Industry Leading Durability

11 9's


99.999999999%

Storage classes:

1. S3 standard
2. S3 standard Infrequent
3. S3 standard infrequent one zone
4. S3 glacier
5. S3 glacier deep archive
6. S3 intelligent tiering

| | S3 Standard | S3 Intelligent Tiering | S3 Standard-IA | S3 One Zone-IA | S3 Glacier | S3 Glacier Deep Archive |
|-------------------------|-------------|------------------------|----------------|----------------|------------|-------------------------|
| Availability Zones | >= 3 | >= 3 | >= 3 | 1 | >= 3 | >= 3 |
| Minimum Storage Charges | N/A | 30 days | 30 days | 30 days | 90 days | 180 days |
| Retrieval Fees | N/A | N/A | Per GB | Per GB | Per GB | Per GB |
| Durability | 11 9's | 11 9's | 11 9's | 11 9's | 11 9's | 11 9's |
| Availability SLA | 99.9% | 99% | 99% | 99.5% | 99.9% | 99.9% |

S3 glacier:



- Data archival and long-term backup
- \$1/TB/month
- Query-in-place functionality
- Three retrieval options:
 - Standard – low cost
 - Bulk retrieval – cost effective for large amounts
 - Expedited – urgent retrieval

Amazon Elastic File System:

- Highly available and durable
- Built-in protection from AZ outages and other failures


Standard


Infrequent Access
7, 14, 30, 60, or 90 days

AWS Storage gateway:

- Gives you access to virtually unlimited cloud storage on premises
- 1. File gateway:
 - Gives you SMB and NFS interfaces to S3
- 2. Tape gateway:
 - Presents a virtual tape library on your local network
- 3. Volume gateway:
 - Presents an iSCSI block storage volume to your on-premises applications