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.

Selecting S3 and S3 glacier:

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

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-promises applications