





AWS (Amazon Web Services) provides a variety of storage services tailored to different use cases such as object storage, file storage, block storage, and archival. Here's an overview of the key AWS storage types:

Amazon S3 (Simple Storage Service)

Type: Object Storage

Best For:  Backups,  data lakes,  static websites,  media hosting

Cool Features:

-  Infinitely scalable
-  Versioning + encryption
-  Smart tiering for cost savings
-  Cold storage with Glacier (see below)





Variants: Standard, Intelligent-Tiering, Glacier, Glacier Deep Archive

Amazon EBS (Elastic Block Store)

Type: Block Storage

Best For:  Databases,  boot volumes,  apps with fast, consistent I/O

Cool Features:




-  Encrypted volumes
-  Snapshots for backup
-  High performance with SSDs (io2, gp3)
-  Think of it as a virtual hard drive for EC2

Amazon EFS (Elastic File System)

Type: File Storage (NFS)

Best For:  Shared app storage,  user directories,  web content

Cool Features:





-  Auto scales with your data
-  Shareable between thousands of EC2s
-  Fully managed & serverless

Amazon FSx

Type: Specialized File Systems

Best For:  Windows apps,  HPC, AI/ML 

Variants:




-  FSx for Windows File Server
-  FSx for Lustre (super fast!)
-  FSx for NetApp ONTAP
-  FSx for OpenZFS

Amazon S3 Glacier / Glacier Deep Archive

Type: Archival Object Storage


Best For:  Long-term backup,  compliance data,  legal archives

Cool Features:




-  Ultra low cost
 -  Retrieval options (minutes to hours)
 -  Secure, durable cold storage
-

AWS Storage Gateway



Type: Hybrid Storage

Best For:  Businesses bridging on-prem + cloud

Modes:

-  File Gateway
-  Volume Gateway
-  Tape Gateway

Cool Features:



-  Seamless connection to AWS cloud
 -  Sync backups & files from on-prem to cloud
-

AWS Snow Family

Type: Edge Computing & Data Transfer Devices

Best For:  Big data migration,  remote site computing

Devices:

-  Snowcone – tiny & rugged
-  Snowball – heavy-duty

- 🚚 Snowmobile – transfers exabytes by truck!

Cool Features:

- 🔒 Encrypted end-to-end
 - 🏠 Works offline and in remote areas
-