

11th May - 2022.

↓ What are the different AWS storage Services available in AWS?

*** Three different types of cloud data storage ***

1. Object storage 2. File storage 3. Block storage.

*** different types of AWS storage Services ***

1. Simple Storage Service (S3) 4. Amazon FSx for Lustre
2. Elastic Block storage (EBS) 5. Amazon FSx for Windows Fileserver
3. Elastic File system (EFS) 6. AWS Storage Gateway.

2) Explain the difference between S3, EFS, EBS and Instance store.

- S3 provides you a web interface (*AWS S3 is object storage)
- EBS provides a file system interface (*Amazon EBS is Block storage)
- EFS provides a web and file system interface. (*Amazon EFS is file storage).
- S3 is a cloud storage service that can be accessed from anywhere.
- AWS EBS is only accessible in a single region, while multiple
- Amazon EFS can share files across multiple regions.
- EBS and EFS both outperform Amazon S3 in terms of IOPS and latency. with single API call
EBS can be scaled up or down.

3) What are the different classes of S3 or category of S3?

Types of S3 storage classes

1) S3 standard 2) S3 standard-IA 3) S3 Intelligent-Tiering 4) S3 onezone-IA
5) S3 Glacier 6) S3 Glacier Deep Archive 7) S3 Outposts.

The S3 storage classes include S3 Intelligent-Tiering for automatic cost savings for data with unknown or changing access patterns, S3 standard for frequently accessed data, S3 standard - Infrequent Access (S3 standard - IA) and S3 one Zone - Infrequent Access. For less frequently accessed data. S3 Glacier Instant Retrieval for archived data that needs immediate access.

4) How to host a static website in S3?

5) How to generate Bucket policy and give a user specific access on the bucket.

4) → create bucket → ACLS enabled → Allow all public access → I Acknowledge
→ enable Bucket version → create bucket → select bucket → upload → html file upload
→ Go to uploaded file → permissions → Access control list → edit → everyone
→ I understand → save changes → go to bucket → permission → ACLs control → edit
→ public everyone Read write → I understand → save changes →
properties → static web hosting → Edit → enable → give filename with .html.
→ save changes → go to Static web hosting URL → click URL (now)