AMAZON S3

- Amazon S3 (Simple Storage Service) is a highly scalable and durable object storage service provided by Amazon Web Services (AWS).

- It is designed to store and retrieve large amounts of data and is widely used for various use cases across industries.

AMAZON S3 USE CASES

- Backup and storage
- Archive
- Application hosting
- Media hosting
- Data lakes & big data analytics
- Static website

AMAZON S3 BUCKETS

- Amazon S3 allows people to store objects (files) in "buckets" (directories)
- Buckets must have a globally unique name (across all regions all accounts)
- Buckets are defined at the region level
- S3 looks like a global service but buckets are created in a region
- Creating Bucket follows Naming convention

AMAZON S3 - OBJECTS

- Object values are the content of the body:
  - Max. Object Size is 5TB (5000GB)
- Objects (files) have a Key
- Metadata (list of text key / value pairs – system or user metadata)
- Tags (Unicode key / value pair – up to 10) – useful for security / lifecycle
- Version ID (if versioning is enabled)