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Tutorials Dojo
Study Guide and Cheat Sheets

AWS Storage Services

Amazon EBS

- **Block level storage** volumes for use with EC2 instances.
- Well-suited for use as the primary storage for file systems, databases, or for any applications that require fine granular updates and access to raw, unformatted, block-level storage.
- Well-suited to both database-style applications (random reads and writes), and to throughput-intensive applications (long, continuous reads and writes).

Amazon EFS

- A fully-managed **file storage service** that makes it easy to set up and scale file storage in the Amazon Cloud.

Features

- The service manages all the file storage infrastructure for you, avoiding the complexity of deploying, patching, and maintaining complex file system configurations.
- EFS supports the Network File System version 4 protocol.
- Multiple Amazon EC2 instances can access an EFS file system at the same time, providing a common data source for workloads and applications running on more than one instance or server.
- Moving your EFS file data can be managed simply with AWS DataSync - a managed data transfer service that makes it faster and simpler to move data between on-premises storage and Amazon EFS.

Amazon S3

- S3 stores data as objects within **buckets**.
- An **object** consists of a file and optionally any metadata that describes that file.
- A **key** is the unique identifier for an object within a bucket.
- Storage capacity is virtually unlimited.
- Good for storing static web content or media. Can be used to host static websites.

Buckets

- For each bucket, you can:
    - Control access to it (create, delete, and list objects in the bucket)