

A decorative graphic on the left side of the slide. It consists of a blue parallelogram and a light green parallelogram, both tilted at an angle. The blue shape is in the foreground, and the green shape is partially behind it. They are set against a dark blue background with subtle diagonal lines.

# Data Storage



# Introduction

- You use online data storage!
- Data storage allows you to store and access data in the cloud.
- This data can be used in conjunction with other services provided by cloud computing companies.
- Think of data storage as the “base” of Cloud Computing

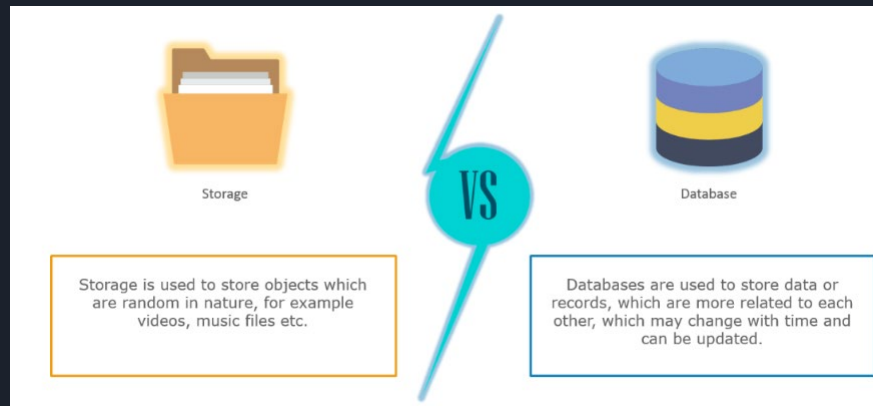


# Storage options

- AWS:
  - S3
- Azure Container Blobs
- GCP Buckets

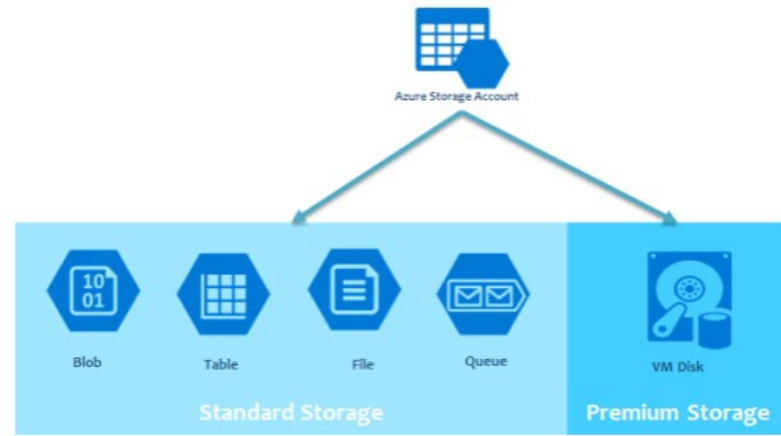
# Storage vs. Databases

- File Storage
  - Cheaper
  - Less Processing
  - Easy to Access
  - Think Google Drive
- Database
  - Query/sort
  - Better for similar data
  - Think SIS



# Storage in Azure

- Tables - Structured Data
- Blobs - Unstructured Data
- Queue - Messages (HTTP/HTTPS)
- File Storage





# Storage in AWS

- S3 Buckets
  - Normal
  - Intelligent tiering
  - Standard IA
  - One Zone IA
  - Glacier Instant Retrieval
  - Glacier Flexible Retrieval
  - Glacier Deep Archive
- EFS
- EBS