

# Google Cloud Storage

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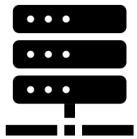
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- Unified object storage for a variety of applications
- Applications can store and retrieve objects through single API
- GCS can scale to exabytes of data
- GCS is designed for 99.999999999% durability
- GCS can be used to store high-frequency and low-frequency access of data
- Data can be stored within a single region, dual-region, or multi-region

# Google Cloud Storage – Storage Classes

## High-performance object storage

### High Frequency Access



#### Standard

- Most common storage class used by developers
- Optimized for **reduced latency**

## Backup & archival storage

### Low Frequency Access



#### Nearline

- Meant for data accessed less frequently
- Chosen for data accessed less than **once a month**

### Lowest Frequency Access



#### Coldline

- Meant for data accessed least frequently
- Chosen for data accessed less than **once a year**

# Google Cloud Storage – Location Type

## Regional

Your data is stored in a specific region with replication across availability zones in that region. Good for colocating compute and storage for high performance.

## Multi-region

Your data is distributed redundantly across US, EU, or Asia. Good for serving content to end users and when you want automatic failover.

## Dual-region

Your data is replicated across a specific pair of regions. Good for when you need colocated compute and storage and automatic failover.

