**The Amazon S3 Storage Classes**

Amazon S3 provides six storage classes purpose-built for varying access needs to help you optimize costs. With the S3 Storage Classes, S3 Storage Class Analysis, and S3 Lifecycle policies, you can enable storage cost efficiencies without impacting availability or performance.

**Amazon Simple Storage Service (S3)**

Amazon S3 is the largest and most performant, secure, and feature-rich object storage service. S3 is designed for 99.999999999% durability to protect data from site-level failures, errors, and threats. S3 provides even greater resiliency with site-wide multi-AZ redundancy, and no more than 100 miles.

S3 maintains this unmatched durability by creating copies of all objects uploaded to S3 and storing them across multiple systems within a single AWS Region. 9s of durability protects your data for all time.

**S3 Standard**

General purpose storage for active, frequently accessed data with low-latency and high performance of S3 Standard stored in a single AZ at 20% of the cost.

**S3 Standard-Infrequent Access (S3 Standard-IA)**

Low-cost, durable storage designed for frequent access and infrequent access tiers. S3 Standard-IA provides low-latency and high performance with rapid retrieval and data that doesn’t require backups or recovery.

**S3 One Zone-Infrequent Access (S3 One Zone-IA)**

Low-cost, durable storage designed for multi-AZ redundancy or twice in a year. S3 One Zone-IA provides low-latency and high performance with rapid retrieval and data that doesn’t require backups or recovery.

**S3 Intelligent-Tiering**

Auto-tiering for data with easily re-creatable access patterns. S3 Intelligent-Tiering optimizes storage costs based on 30-day refresh cycles, then, use S3 Storage Class Analysis to learn access patterns and discover objects to move to lower-cost storage classes or archive them with S3 Lifecycle policies.

**S3 Glacier**

Archive or backup data with secure, durable, and low-cost storage. S3 Glacier is designed for archiving infrequently accessed data that doesn’t require frequent access.

**S3 Glacier Deep Archive**

S3 Glacier Deep Archive provides long-term archival storage with low-latency and high performance. S3 Glacier Deep Archive is designed for long-term digital preservation for data that is accessed once or twice in a year. S3 Glacier Deep Archive is a tier of storage with the lowest cost per GB of storage, and per GB retrieval fees.

**S3 Glacier One Zone-Deep Archive (S3 One Zone-IA)**

S3 Glacier One Zone-Deep Archive provides long-term archival storage with low-latency and high performance. S3 Glacier One Zone-Deep Archive is designed for long-term digital preservation for data that is accessed once or twice in a year. S3 Glacier One Zone-Deep Archive is a tier of storage with the lowest cost per GB of storage, and per GB retrieval fees.

**Ingestion Family**

Ingestion Family provides a set of services that can offload data from on-premises systems and moving data to S3 storage classes.

**S3 Transfer Acceleration**

S3 Transfer Acceleration provides a secure, direct connection from your on-premises location to S3.

**S3 Glacier Transfer Acceleration**

S3 Glacier Transfer Acceleration provides a direct connection from your on-premises location to S3.

**S3 One Zone-Deep Archive Transfer Acceleration**

S3 One Zone-Deep Archive Transfer Acceleration provides a direct connection from your on-premises location to S3.

**S3 Storage Class Analysis**

S3 Storage Class Analysis is available at no additional charge. Use S3 Storage Class Analysis to understand your access patterns and discover objects to move to lower-cost storage classes or archive them with S3 Lifecycle policies.

**S3 Lifecycle policies**

S3 Lifecycle policies you can enable storage cost efficiencies without impacting availability or performance. With the S3 Storage Classes, S3 Storage Class Analysis, and S3 Lifecycle policies, you can enable storage cost efficiencies without impacting availability or performance.

**Learn more about Amazon S3 Storage Classes**


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