**S3 Standard**

* Designed for frequently accessed data
* Stores data in a minimum of three Availability Zones

S3 Standard provides high availability for objects. This makes it a good choice for a wide range of use cases, such as websites, content distribution, and data analytics. S3 Standard has a higher cost than other storage classes intended for infrequently accessed data and archival storage.

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

* Ideal for infrequently accessed data
* Similar to S3 Standard but has a lower storage price and higher retrieval price

S3 Standard-IA is ideal for data infrequently accessed but requires high availability when needed. Both S3 Standard and S3 Standard-IA store data in a minimum of three Availability Zones. S3 Standard-IA provides the same level of availability as S3 Standard but with a lower storage price and a higher retrieval price.

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

* Stores data in a single Availability Zone
* Has a lower storage price than S3 Standard-IA

Compared to S3 Standard and S3 Standard-IA, which store data in a minimum of three Availability Zones, S3 One Zone-IA stores data in a single Availability Zone. This makes it a good storage class to consider if the following conditions apply:

* You want to save costs on storage.
* You can easily reproduce your data in the event of an Availability Zone failure.

**S3 Intelligent-Tiering**

* Ideal for data with unknown or changing access patterns
* Requires a small monthly monitoring and automation fee per object

In the S3 Intelligent-Tiering storage class, Amazon S3 monitors objects’ access patterns. If you haven’t accessed an object for 30 consecutive days, Amazon S3 automatically moves it to the infrequent access tier, S3 Standard-IA. If you access an object in the infrequent access tier, Amazon S3 automatically moves it to the frequent access tier, S3 Standard.

**Amazon S3 Glacier Instant Retrieval**

* Works well for archived data that requires immediate access
* Can retrieve objects within a few milliseconds

When you decide between the options for archival storage, consider how quickly you must retrieve the archived objects. You can retrieve objects stored in the Amazon S3 Glacier Instant Retrieval storage class within milliseconds, with the same performance as Amazon S3 Standard.

**Amazon S3 Glacier Flexible Retrieval**

* Low-cost storage designed for data archiving
* Able to retrieve objects within a few minutes to hours

Amazon S3 Glacier Flexible Retrieval is a low-cost storage class that is ideal for data archiving. For example, you might use this storage class to store archived customer records or older photos and video files.

**Amazon S3 Glacier Deep Archive**

* Lowest-cost object storage class ideal for archiving
* Able to retrieve objects within 12 hours

Amazon S3 Deep Archive supports long-term retention and digital preservation for data that might be accessed once or twice in a year. This storage class is the lowest-cost storage in the AWS Cloud, with data retrieval from 12 to 48 hours. All objects from this storage class are replicated and stored across at least three geographically dispersed Availability Zones.

**Amazon S3 Outposts**

* Creates S3 buckets on Amazon S3 Outposts
* Makes it easier to retrieve, store, and access data on AWS Outposts

Amazon S3 Outposts delivers object storage to your on-premises AWS Outposts environment. Amazon S3 Outposts is designed to store data durably and redundantly across multiple devices and servers on your Outposts. It works well for workloads with local data residency requirements that must satisfy demanding performance needs by keeping data close to on-premises applications.