**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.

**S3 Glacier**

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

S3 Glacier 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.

**S3 Glacier Deep Archive**

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

When deciding between Amazon S3 Glacier and Amazon S3 Glacier Deep Archive, consider how quickly you need to retrieve archived objects. You can retrieve objects stored in the S3 Glacier storage class within a few minutes to a few hours. By comparison, you can retrieve objects stored in the S3 Glacier Deep Archive storage class within 12 hours.