



# Amazon S3: Storage classes for every workload

Built on a unique global architecture and offering an industry-leading combination of scalability, data durability and availability, security, and performance, Amazon S3 stands apart as the ultimate object storage service.

## What sets Amazon S3 apart?

Amazon S3 storage classes deliver the best price-performance object storage and are uniquely architected to deliver industry-leading functionality:

### Durability

S3 provides the most durable storage in the cloud and is designed to exceed 99.999999999% (11 9s) data durability.

### Availability

S3 storage classes provide a range of object availability between 99.5-99.99% in a given year, backed by the strongest SLAs in the cloud.

### Security

S3 provides unmatched cloud storage security and compliance across all storage classes, including identity and access management, inventory scanning, automatic encryption, and more.

### Performance

S3 provides high-throughput, low-latency object storage for virtually any use case, automatically scaling to high request rates.

## The best storage solution for your needs

The Amazon S3 storage classes can support virtually any workload. Tailor your storage class selection to your needs and pay only for the storage you use. Meet your workload's retrieval performance, access frequency, duration, and resiliency requirements. The key to cost-optimizing S3 is choosing the right storage classes for your data.

### 1 Let Amazon S3 Intelligent-Tiering do it for you

Are your data access patterns unknown or constantly evolving? Enter Amazon S3 Intelligent-Tiering, the groundbreaking storage class that delivers optimal cost savings by automatically moving data to the most cost-effective storage tier—without any performance impact or operational burden.

- Use as your default storage class for virtually any workload, with 11 9s of durability within an AWS Region and access measured in milliseconds
- Perfect for data lakes, data analytics, new applications, and user-generated content
- First and only cloud storage that automatically optimizes costs

### \$2 billion

Customers have realized automatic savings of over \$2 billion using the S3 Intelligent-Tiering storage class for data with changing access patterns.

### 2 For predictable and known access patterns

Consider your access patterns, performance needs, and storage use case.

### 3 Storage classes for known and predictable access patterns

Amazon S3 has you covered with a full range of feature-rich storage classes that support a variety of access patterns and performance requirements, ranging from the highest performance in the cloud to the lowest cost archive storage.



**S3 Express One Zone**  
Lowest latency storage for the most frequently accessed data



**S3 Standard**  
General-purpose storage for active, frequently accessed data



**S3 Standard-Infrequent Access**  
Low-cost storage for data accessed monthly that requires milliseconds retrieval



**S3 One Zone-Infrequent Access**  
Infrequently accessed data in a single Availability Zone (AZ) for cost savings



**S3 Glacier Instant Retrieval**  
Low-cost storage for long-lived data, with retrieval in milliseconds



**S3 Glacier Flexible Retrieval**  
Long-term, low-cost storage for backups and archives, with bulk data retrieval from minutes to hours



**S3 Glacier Deep Archive**  
Lowest-cost cloud storage for long-term archived data, with retrieval in hours

ACCESS FREQUENCY

## The most widely adopted cloud storage service

**Hundreds of trillions**

of objects stored

**700,000+**

data lakes

**100 million**

requests averaged per second

Learn more about S3 storage classes ›