On-Prem Glacier

SPECTRA

Spectra solutions for on-prem data protection

Spectra On-Prem Glacier solutions offer organizations a range of options for cost-effective data storage. As organizations consider how they utilize the cloud for backup and archive, a hybrid strategy is emerging as the most cost-effective, secure, and efficient solution. Compatible with Standard S3 and Amazon S3 Glacier, you can easily create a secure on-prem storage infrastructure
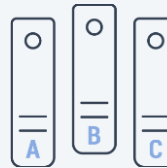
Glacier Tiers of Storage

- 100% compatible with Amazon S3 Glacier
- Object-based disk provides instant retrieval of long-term data
- Object-based tape provides a deep archive tier of storage for long-term retention
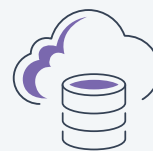
Object-based Disk

- Provides ransomware resiliency and security
- Integrates with S3-compatible applications
- Encrypts at rest and in-flight, eliminating unintended data exposure

Integrated Cloud Features

- Policy-based data movement across on-prem and cloud
- Replication to the public cloud for disaster recovery
- Flexibility of cloud storage with the cost-effectiveness of on-prem storage

On-Prem Cloud Storage

- Object-based tape expands to multiple exabytes of storage
- Delivers the long-term retention functionality of cold storage in the cloud with on-prem performance
- Optimized for storing large, unstructured datasets

Advantages of On-Prem Glacier Solutions

Spectra On-Prem Glacier offers a powerful fusion of Amazon S3 Glacier's advantages with the exceptional attributes of on-premises cloud storage, encompassing performance, security, and cost-effectiveness.

Spectra On-Prem Glacier effortlessly integrates into existing workflows through full compatibility with Amazon S3 Glacier and seamless cloud integration. This compatibility extends to modern data protection solutions and S3-compatible applications, ensuring smooth interoperability. Its hybrid cloud setup provides on-premises scalable and high-performing storage and is resilient to ransomware attacks. Additionally, it offers the option for data replication to the public cloud, enhancing its flexibility and data availability.

Spectra On-Prem Glacier vs. Amazon S3 Glacier

On-Prem Glacier storage classes are designed to meet your budget and SLA requirements. Object-based tape provides the lowest-cost storage for long-term retention with scalability to Exabytes.

- S3 object-based disk provides millisecond retrieval of data
- S3 Glacier* object-based spin-down disk provides access to data within minutes.
- Object-based tape provides access to data within minutes to hours and is ideal for long-term data retention, providing air-gap protection

Amazon S3 Storage Classes

Expect costs for bandwidth and egress fees

Amazon Infrequent Access S3 storage class
Milliseconds retrieval of data in a low-cost S3 storage class

Amazon S3 Glacier Flexible Retrieval storage class
Minutes to 12 hours retrieval of data in a lower cost archive S3 storage class

Amazon S3 Glacier Deep Archive storage class
12 to 48 hours retrieval of data in the lowest cost archive S3 storage class

On-Prem Glacier Storage Classes
Object-based disk and tape

No unexpected or retrieval fees

Infrequent Access
MILLISECONDS retrieval of data in low-cost S3 disk storage

Scales to 20PB

Flexible Retrieval
Retrieval of data in **MINUTES** the lowest cost & most environmentally positive solution

Scale to 100s of Petabytes

Deep Archive
Retrieval of data in **HOURS** the lowest cost & most environmentally positive solution

Scales to Exabytes

About Spectra Logic Corporation

Spectra Logic develops a full range of Attack Hardened™ data management and data storage solutions for a multi-cloud world. Dedicated solely to data storage innovation for more than 40 years, Spectra Logic helps organizations modernize their IT infrastructures and protect and preserve their data with a broad portfolio of solutions that enable them to manage, migrate, store and preserve business data long-term, along with features to make them ransomware resilient, whether on-premises, in a single cloud, across multiple clouds, or in all locations at once.