

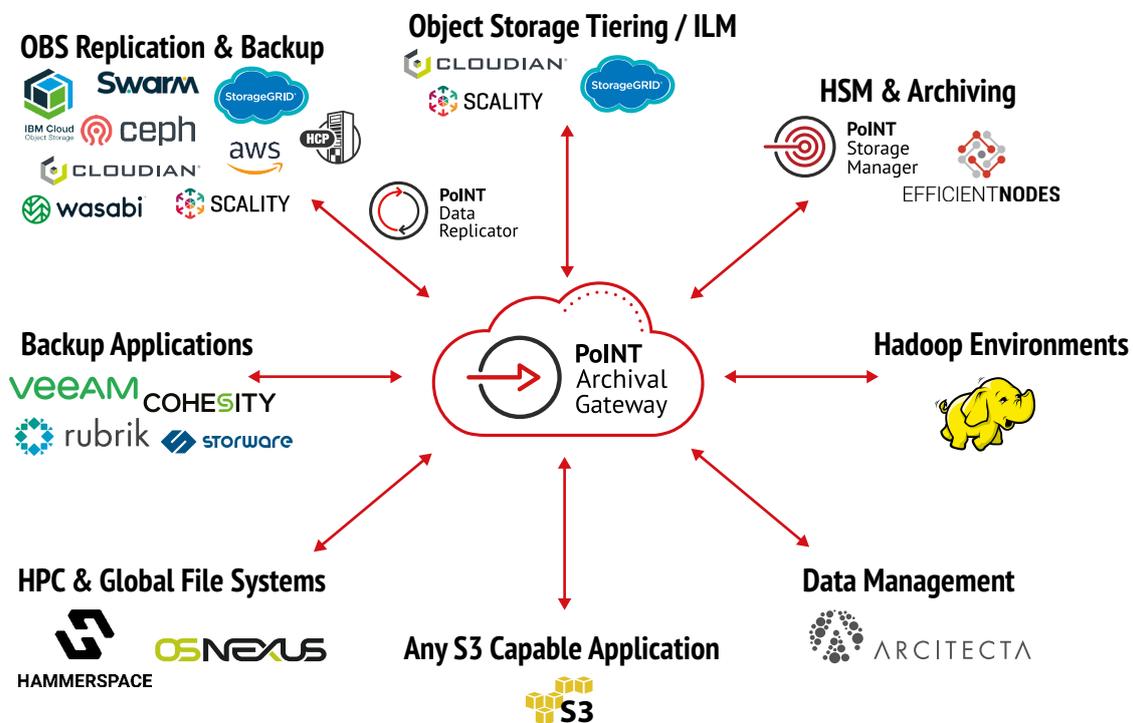


Increasing data volumes, limited budgets, compliance requirements, and cybercrime attacks are just some of the reasons organizations are increasingly integrating tape storage systems into their storage infrastructure. In the past, tape systems were often rejected because they were

considered complex and difficult to integrate. However, the well-established S3 protocol has changed all that. The number of applications supporting S3 continues to grow. The S3-to-Tape software PoINT Archival Gateway allows an easy and seamless integration of tape.

APPLICATION AREAS

The use cases for tape integration via S3 are manifold. PoINT Archival Gateway is already certified and validated by many technology partners. All applications that support either S3 Standard or S3 Glacier can use PoINT Archival Gateway to store data on tape systems and benefit from the associated advantages.



PoINT Archival Gateway provides the established S3 interface standardized by AWS. With this API, tape-specific properties such as longer access times can be considered by applications. This allows a homogeneous integration of tape storage systems into the existing data center infrastructure.

Use Cases	Benefits
<ul style="list-style-type: none"> • Replication & Backup for Object Storage / Cloud • Object Storage Tiering / ILM • Backup Applications • HSM & Archiving • HPC & Global File Systems • Data Management 	<ul style="list-style-type: none"> • Protection against cybercrime attacks through air-gapping • Compliance and archiving • High cost efficiency • Sustainability through low energy consumption • Data sovereignty through on-premises storage



High Scalability and Availability

PoINT Archival Gateway is highly scalable and offers redundancy on system and data level. The internal interface nodes interact with each other (e.g. for load balancing). The database nodes provide synchronous replication and failover. The flexibly selectable erasure coding procedures ensure the protection of the stored data.

On-Prem Glacier

Disk and tape storage systems can be integrated and configured as S3-compatible storage classes. This enables an "On-Prem Glacier" configuration in your own data center.

S3 Standard and S3 Glacier incl. Lifecycle Policies

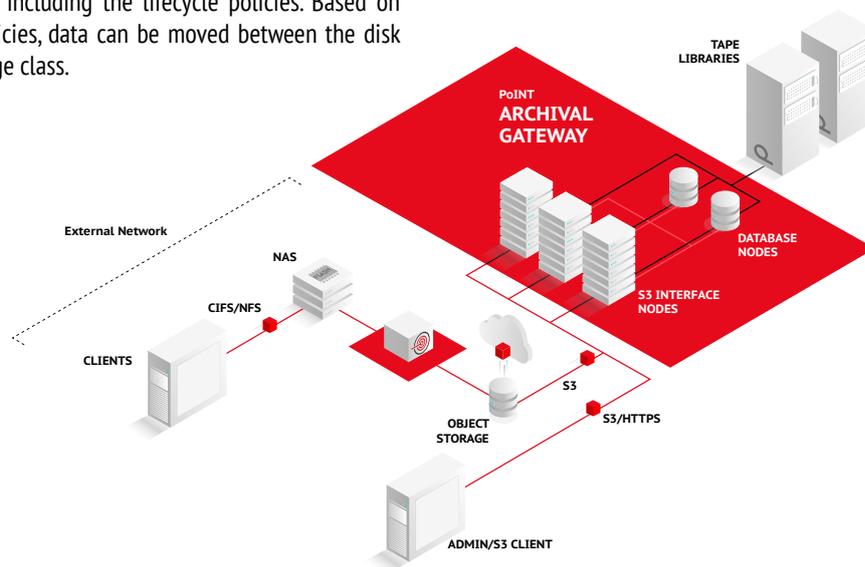
PoINT Archival Gateway is S3 compatible and supports the S3 Glacier API including the lifecycle policies. Based on predefined policies, data can be moved between the disk and tape storage class.

Tape Support

PoINT Archival Gateway supports all currently available tape libraries for LTO and IBM 3592, thus avoiding a proprietary hardware solution with long-term dependencies and unpredictable support costs. A library can be replaced at any time without interrupting operations. Tape support also includes offline management, space reclamation, integrity checking and media migration.¹⁾

Tape-only

In the tape-only configuration, tape-specific applications can write to and read from the media directly. No disk caches are required. This allows for the most effective and powerful integration of tape.



Single Namespace

PoINT Archival Gateway offers single namespace access to all stored data for tape-only as well as for configurations with disk and tape storage classes.

Deployments

PoINT Archival Gateway can be operated as a multi-node cluster configuration (Enterprise Edition) or – for smaller environments – installed on a single server (Compact Edition). Both deployments are also possible as geo-distributed clusters.

Technical Information

Supported Hard Disk Systems

- JBOD¹⁾
- NAS Systems
- HDD Object Storage¹⁾

Supported Tape Libraries

- ADIC
- BDT
- Fujitsu
- HPE
- IBM
- Overland
- Qualstar
- Quantum
- Spectra Logic

Supported Operating Systems

- Windows Server
- Linux

This list is extended on a regular basis. Please contact PoINT Software & Systems for an up-to-date list of supported storage systems.

¹⁾ Under development