Backup for Cloudian HyperStore to Tape
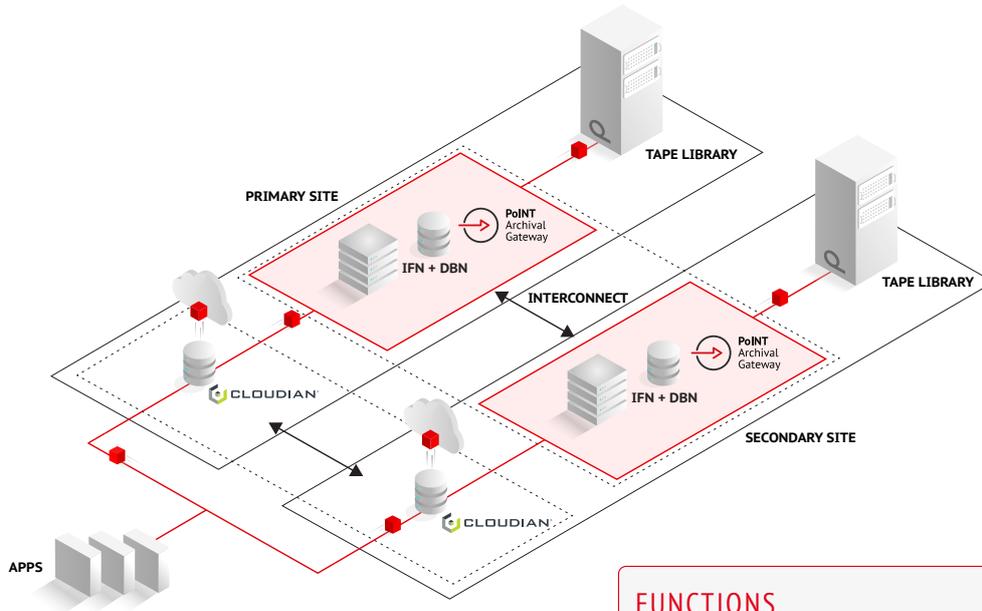## with PoINT Archival Gateway

Object stores are considered highly available and secure even in case of hardware or site failures. They use redundant components such as erasure coding and replication to minimize downtime and ensure high availability. However, reliability and high availability should not be confused with data security:

The valuable data on object storage systems must also be protected against accidental or malicious deletion, as well as cyberattacks and ransomware. The best protection against these threats is still a backup. As a tape-based S3 object storage, PoINT Archival Gateway is the ideal backup target for an additional, cost-efficient backup of data on your primary object storage systems.

FUNCTIONS
• Tape library integration via standardized S3 REST API
• Automated replication from Cloudian HyperStore to tape
• Native access to replicated data via S3 interface
• High performance in writing
• Fast restore in case of recovery

HOW IT WORKS

Cloudian's HyperStore object storage systems support a so-called cross region replication (CRR), which backs up objects to another, external object storage system as part of an automatic, asynchronous copy process. Thereby, only new objects are replicated. **PoINT Archival Gateway** can thus be seamlessly integrated as an additional S3 storage class via the standardized interface. By means of Cross Region Replication PoINT Archival Gateway automatically receives a data copy from the object storage and stores this data on tape in a high-performance, scalable and cost-effective way.

With the additional backup on this independent and offline-capable storage medium, the data is optimally protected against ransomware, against technical failure and human errors.

VORTEILE
• Protection against ransomware as well as technical and human errors through Air Gap
• Data security through "Erasure Coding"
• Cost-efficient through use of tape media
• Reliability through server redundancy
• Independence from tape system manufacturers, no vendor lock-in
• Future-proof through LTO roadmap

SPECIAL OFFER

Move your Tape Library to the next level:
Contact us for your PoINT Archival Gateway + PoINT Data Replicator at special pricing for your Cloudian HyperStore!
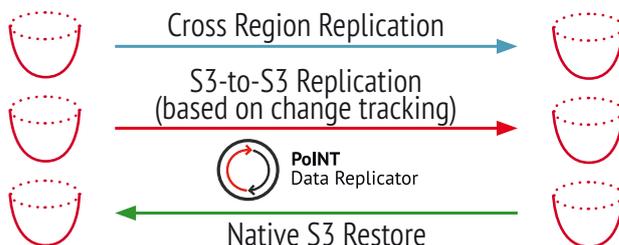
CloudianHyperStore CRR

Cloudian's HyperStore object storage systems support a so-called cross region replication (CRR), which backs up objects to another, external object storage system as part of an automatic, asynchronous copy process. Thereby, only new objects are replicated. PoINT Archival Gateway can thus be seamlessly integrated as an additional S3 storage class via the standardized interface. By means of Cross Region Replication PoINT Archival Gateway automatically receives a data copy from the object storage and stores this data on tape in a high-performance, scalable and cost-effective way.

With the additional backup on this independent and offline-capable storage medium, the data is optimally protected against ransomware, against technical failure and human errors.

Cross Region Replication

S3-to-S3 Replication
(based on change tracking)

PoINT
Data Replicator

Native S3 Restore

PoINT
Archival
Gateway

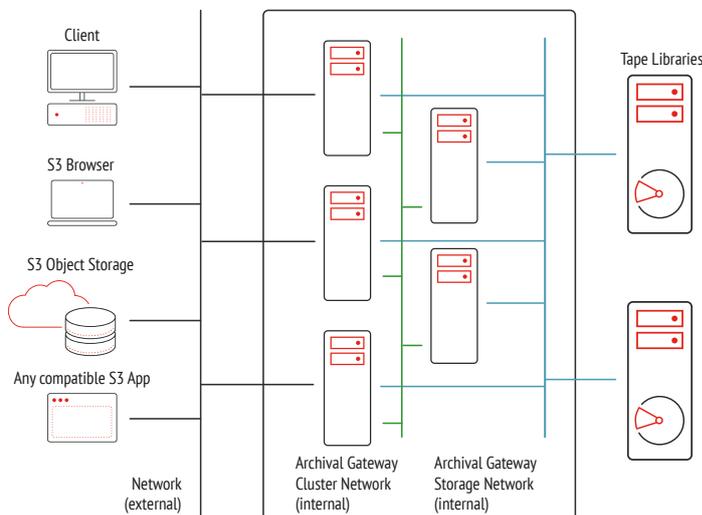**High Performance
S3 Gateway for Tape Storage**

PoINT Archival Gateway

PoINT Archival Gateway is a software-based and high-performance object storage supporting tape libraries. This combination allows to store and archive data volumes in the three-digit petabyte range without any problems.

PoINT Archival Gateway receives the data volumes quickly and writes them securely to the tape media. The software solution also ensures that the data can be read again with high performance.

- Transfer rates of more than 1 PB per day
- High scalability
- Wide range of applications through standardized S3 REST API
- Vendor-independent: support for LTO and IBM 3592 libraries
- Reliability e.g. through redundant server nodes ensures data protection and availability
- Data security through modern "Erasure Coding" procedures

Client

S3 Browser

S3 Object Storage

Any compatible S3 App

Network
(external)

Archival Gateway
Cluster Network
(internal)

Archival Gateway
Storage Network
(internal)

Tape Libraries