

Businesses are increasingly using object storage technology for many workloads. Aside from its high scalability and availability, the technology's S3 interfacing capability lends it a significant advantage in comparison to traditional NAS or SAN systems. This simple storage interface massively streamlines the development of new applications for fields such as IoT

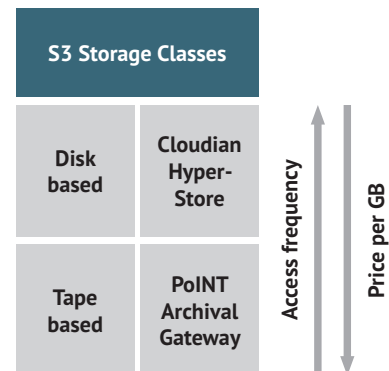
and analytics. However, object storage systems face the challenge of rapidly rising data volumes just like any other technology. As a result, businesses are seeking solutions that will reduce their storage costs. They also need to store an additional copy of each saved object on an independent, external system.

S3 STORAGE CLASSES

Hyperscalers like AWS and Microsoft Azure offer their customers a range of cloud storage categories. Beyond the standard tier, these providers offer additional storage classes which generally take much longer to access objects but offer a lower price per GB.

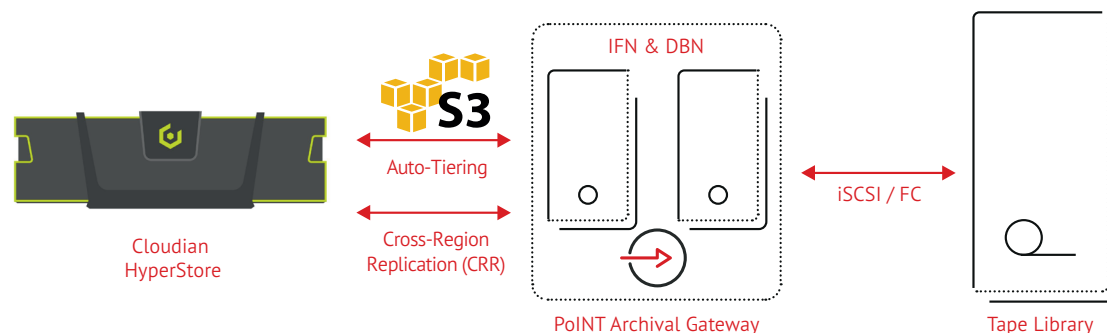
By comparison, object storage systems running in an in-house private cloud only have one hard drive-based storage class, with active and inactive data all stored in the same location.

By combining Cloudian HyperStore with the PoINT Archival Gateway, businesses can use a wide range of S3 storage classes.



TAPE-BASED S3 OBJECT STORAGE

The PoINT Archival Gateway is a software-based high-performance object storage solution which uses tapes instead of hard drives as its storage medium. This combination makes it possible to store and archive hundreds of petabytes of data. The PoINT Archival Gateway offers an S3 REST API as an interface for applications needing to archive data. Data security is ensured thanks to a modern "erasure coding" process. This saves data blocks redundantly on multiple tape-based media formats, meaning that data is not lost even if one volume fails. Compared with hard drive-based systems with comparable capacity, the price per terabyte and the costs of operation in terms of energy requirements are very low.



Benefits

- S3 storage class for inactive data
- Low price per terabyte
- Low energy costs
- Independence from library provider
- Maximum parallelisation and transfer rates

Functionality

- Native S3 REST API
- Erasure Coding
- Native tape support
- Node-based scaling
- Retention Management
- High availability

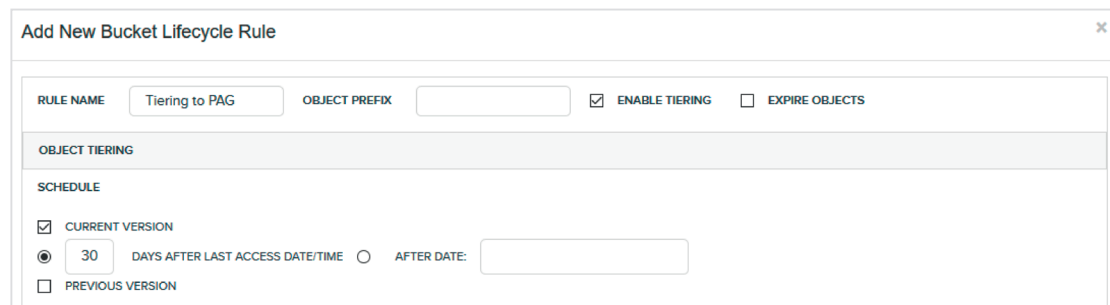
Cloudian HyperStore CRR

With the help of cross-region replication (CRR), customers can automatically store objects in an external bucket as well as the internal one. This makes it possible to store a copy of the data on an independent system. With the PoINT Archival Gateway, this backup copy is stored on cost-effective tape media.

Versioning and integrated retention management protect objects against changes or deletion. If an object is accidentally deleted from the Cloudian HyperStore system, the copy is perfectly easy to access. As the PoINT Archival Gateway offers a standardized S3 API just like Cloudian HyperStore, objects can be read directly without having to start up a long-winded restoration process.

Cloudian auto-tiering integration

With Cloudian's auto-tiering functionality, customers can automatically move objects from HyperStore systems to external object storage. Auto-tiering is configured at the bucket level and offers filtering options based on object prefixes, time stamps and more. By combining Cloudian HyperStore with the PoINT Archival Gateway, businesses can set up a two-tier object storage infrastructure. While active data remains on the hard drive-based HyperStore system, the PoINT Archival Gateway stores inactive data on tape.



About Cloudian

Cloudian is the most widely deployed independent provider of object storage systems, with the industry's most advanced S3 compatibility and an extensive partnership ecosystem. Its award-winning flagship solution, HyperStore, provides limitless scalability and cloud-like technology, flexibility and economics in the data center. Cloudian's global data fabric architecture enables enterprises to store, find and protect object and file data seamlessly across sites, both on-premises and in public clouds, within a single, unified platform. Learn more at cloudian.com.

About PoINT

PoINT Software & Systems GmbH is specialized in the development and distribution of software products for storage, management and archiving of data. Our data & storage management solutions offer an easy and efficient integration of different storage technologies and systems in consideration of enterprise requirements. PoINT products allow optimized usage of storage systems and help to reduce costs and issues caused by data growth. The software solutions fulfil compliance and archiving requirements and provide independence from storage technologies and vendors.

Technical Information

Supported Target Systems (Tape Libraries)

- actidata
- BDT
- Cristie
- Fujitsu
- HPE
- IBM
- Qualstar
- Quantum

System Requirements

At www.point.de you can download the system requirements and find a list of all compatible storage systems.