

Object storage technology is becoming increasingly important in today's world. This is not just because of its high scalability and availability, but also its ability to interface with S3 services. When new IoT and analytics applications are developed, they benefit from simple, fast integration with storage systems. However, given

the rapidly rising quantities of data held by their object storage systems, businesses are looking for solutions that will reduce their storage costs. These solutions often also need to store separate copies of saved objects to external services.

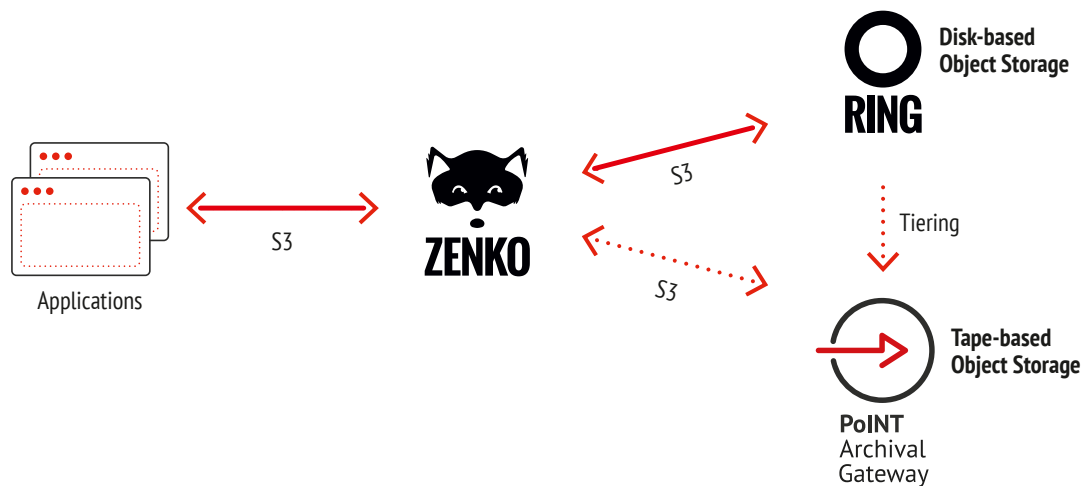
S3 STORAGE CLASSES

Beyond their standard S3 storage class, the large cloud service providers like AWS and Microsoft Azure also offer their customers a range of cloud storage categories. These storage classes are typically distinguished by a low price per gigabyte but significantly slower speeds when accessing objects.

When object storage systems operate in the private cloud, however, they typically only have one (hard drive-based) storage class. As a result, the same storage space is used for both active and inactive data. By combining the multi-cloud data controller Scality ZENKO with PoINT Archival Gateway, businesses can use tape technology as an additional S3 storage class.

TAPE-BASED S3 OBJECT STORAGE

PoINT Archival Gateway is a software-based high-performance object storage solution which uses tapes instead of hard drives as its storage medium. As a result, it can easily store and archive hundreds of petabytes of data. The S3 REST API of PoINT Archival Gateway serves as the interface for applications that archive data. To guarantee data remains secure, blocks of data are saved redundantly to multiple tapes in a process known as erasure coding. This prevents data loss even if one system fails. Tape storage also costs much less per byte than hard drive-based systems, and has lower power requirements as well.



Benefits

- S3 Storage class for inactive data
- Low price per terabyte
- Low energy costs
- Independence from library manufacturers
- Highest parallelism and transfer rates

Features

- Native S3 REST API
- Erasure Coding
- Native tape support
- Scaling via Server Nodes
- Retention Management
- High Availability

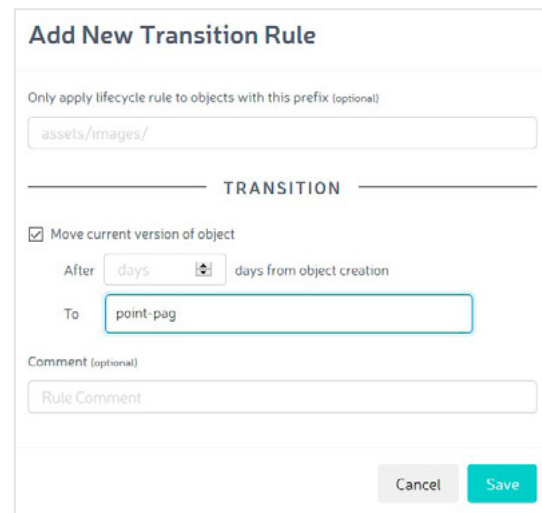
With the help of the multi-cloud data controller Scality ZENKO, customers can integrate multiple object storage systems into a single shared namespace. A replication policy automatically copies objects from one location to another. This makes it possible to store a copy of the data on an independent 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 primary object storage system (e.g. Scality RING), customers can simply access the tape copy instead.

PoINT Archival Gateway is easy to register as an additional endpoint when configuring Scality ZENKO. All communication is done through an S3 API.

Aside from replication, Scality ZENKO also enables automatic data tiering. With this approach, objects are moved from the primary object storage system (Scality RING) to a secondary storage (PoINT Archival Gateway) based on the date they were created.

Working together, Scality RING and PoINT Archival Gateway can establish a two-tier object storage infrastructure. Under this system, active data remains on the hard drive-based RING system, while PoINT Archival Gateway moves inactive data to tape drives.



Add New Transition Rule

Only apply lifecycle rule to objects with this prefix (optional)

assets/images/

TRANSITION

Move current version of object

After: days days from object creation

To: point-pag

Comment (optional)

Rule Comment

Cancel Save

About Scality

Scality builds a market leading software-defined file and object platform designed for on-premise, hybrid and multicloud environments. We give customers the freedom and control necessary to compete in a data driven economy. Scality is recognized as a leader by Gartner and IDC.

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 for PoINT Archival Gateway

Supported Tape Libraries

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

System Requirements

Detailed system requirements and a list of all compatible storage systems are available for download at www.point.de.