

Case Study

POINT Archival Gateway **ControlExpert GmbH**



ControlExpert

a solvd group company

ControlExpert GmbH replaced its outdated Windows file servers with Cloudian object storage systems. To ensure a reliable backup of 400 TB of data and one billion objects, the software manufacturer opted for the tape-based object storage solution PoINT Archival Gateway. PoINT Data Replicator performs a "forever incremental backup," storing the data on tape media in a library with the help of PoINT Archival Gateway. By replicating only modifications,

the backup process becomes significantly more efficient. ControlExpert uses the erasure coding functionality of PoINT Archival Gateway to create two tapes with identical data sets, each stored at different locations. These measures enable ControlExpert to implement a comprehensive backup strategy for its object data using PoINT Archival Gateway and PoINT Data Replicator.

Challenge

- Replacement of outdated Windows file servers
- Backup solution for large numbers of small files
- Reliable backup routine with daily backups

Solution - PoINT Archival Gateway & PoINT Data Replicator

- Tape-based object storage as backup target for on-prem S3 storage
- Incremental data backup through automatic replication
- 3-2-1-1 backup solution

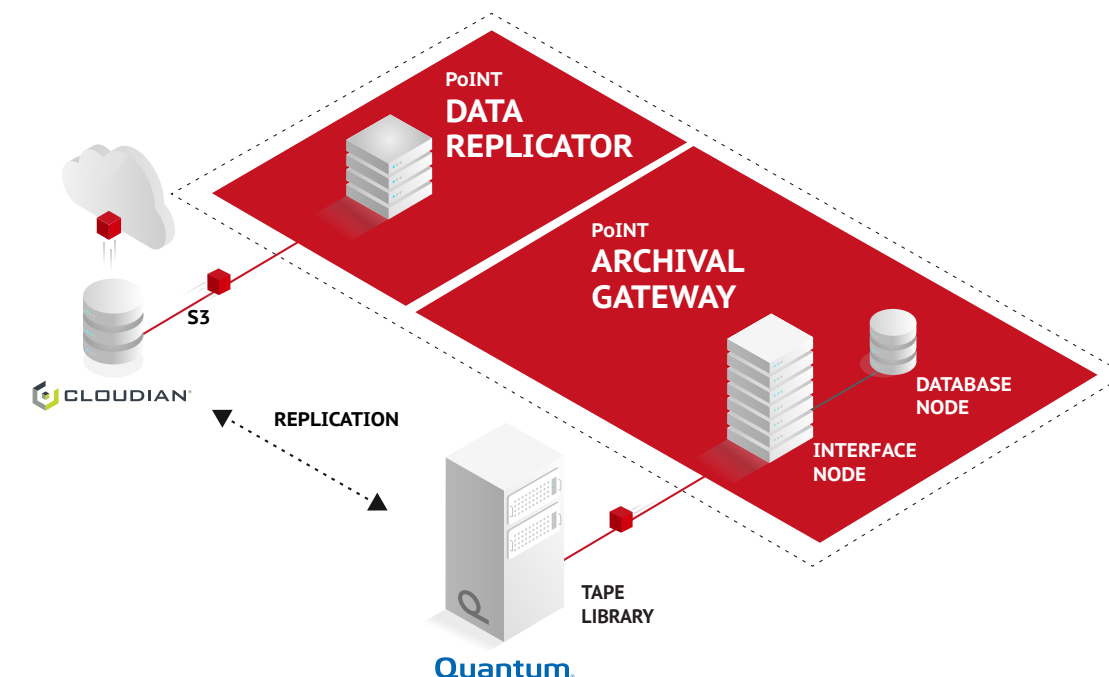
Benefits

- Data security through air gap and erasure coding
- Instant backup through replication
- Efficient backup concept through incremental backup

About ControlExpert GmbH

ControlExpert is an established market leader that has processed over 18 million motor vehicle claims per year since 2002, employing **more than 1,000 people worldwide**. As **digitalization experts**, we combine **AI-based processes** and the latest technologies

with the **knowledge of our automotive experts**. In collaboration with ControlExpert's in-house **research and development department**, we are working to realize our vision of **providing motorists around the world with fair compensation for damage on the same day**.



ControlExpert GmbH decided to replace their outdated Windows file servers. These servers proved to be increasingly problematic, especially when dealing with large numbers of small files. The file servers were replaced with Cloudian object storage systems.

The new on-prem S3 storage is to be secured by daily backups. To this end, the software service provider introduced PoINT Archival Gateway, a tape-based object storage solution, as an independent S3 storage option. PoINT Archival Gateway serves as the target for data replication with the complementary PoINT Data Replicator software.

PoINT Archival Gateway serves as the target storage for a "forever incremental" backup on tape. After an initial, complete replication of the data, PoINT Data Replicator now only captures modifications on the Cloudian storage systems and replicates them to PoINT Archival Gateway. The S3-to-tape solution writes the data directly to tape; no additional hard disk buffer is required. The backup now comprises approximately 400 TB of data in 1 billion objects.

With incremental backup, only modifications are backed up, thus keeping data traffic low. Additionally, backups are performed instantly via replication, ensuring every modification is immediately incorporated and the backup is always up to date.

To further increase data security, ControlExpert leverages the erasure coding functionality of PoINT Archival Gateway. Backups are written to tape with an erasure coding rate of 1/2, meaning two tapes with identical data sets are created. These tapes are stored in different locations. Since only one of the tapes is needed for restore, this backup strategy ensures security and independence.

"To additionally secure the data from our object storage systems, we were looking for a solution that could store backups from an S3 storage directly to tape with minimal backup traffic. The combination of PoINT Archival Gateway and PoINT Data Replicator meets our requirements perfectly," says Peter Koch (System Engineering, ControlExpert GmbH). "With the courteous support of the PoINT team, installing and commissioning PoINT Archival Gateway and PoINT Data Replicator was completed in just a few hours."

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.

Additional information and a trial version of the software are available at www.point.de.