

Case Study

POINT Archival Gateway **PostFinance AG**



PostFinance 

The Swiss financial institution PostFinance AG has more than 1 PB of data saved to a hard drive-based object storage system. In order to improve its data protection, PostFinance adopted an automatic data replication solution using the tape-based PoINT Archival Gateway. Data is replicated automatically and redundantly to two independent tape libraries. Thanks to the

PoINT Archival Gateway's native S3 API, the solution integrates seamlessly into the company's existing infrastructure. Most importantly, it means that PostFinance has easy access to the backup in case of emergency. The PoINT Archival Gateway is fully capable of flexibly expanding the system's current capacity of 2.4 PB without relying on any individual vendor.

Challenge

- Reduce risk of data loss
- Improve data security by keeping a separate copy
- Cost-effective storage

Solution - PoINT Archival Gateway

- Add an additional S3 storage class
- Automatically and asynchronously replicate data at the object level
- Access backup copy using native S3 API
- Scale capacity, performance and security as needed

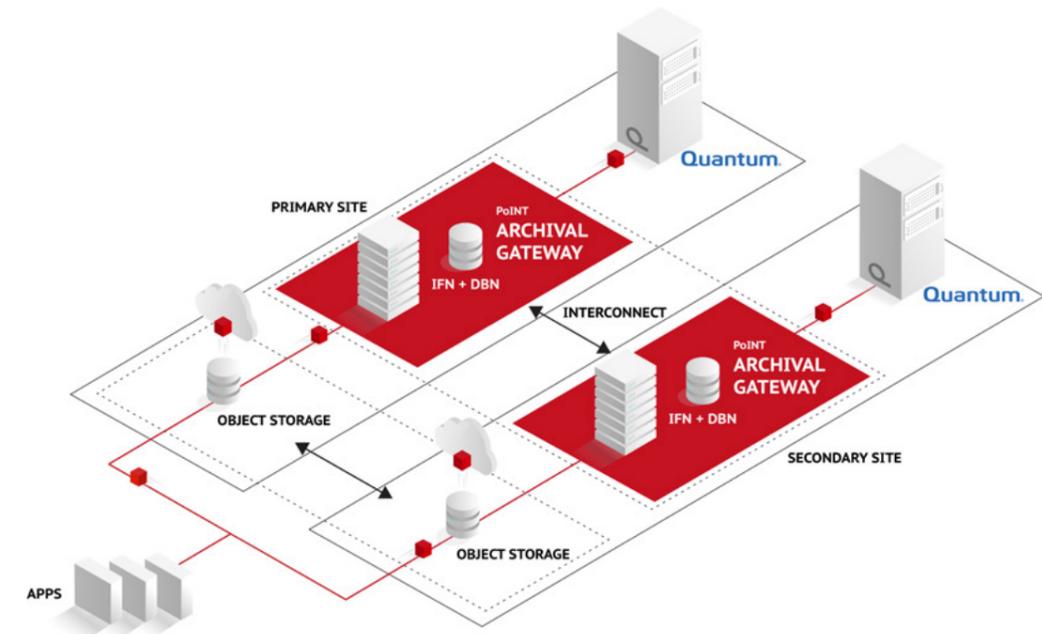
Benefits

- Minimized risk of data loss
- Cost-effective storage using tape technology
- Flexible and easy expansion
- Protect investments with a vendor-independent software solution

About PostFinance AG

PostFinance is one of Switzerland's leading financial institutions, acting as a reliable partner for over 3 million

people, both private and business customers, who want to manage their finances independently.



PostFinance AG is increasingly using S3 object storage. To this end, it uses HyperStore object storage from Cloudian. Its storage systems are split across two sites for redundancy and availability. However, PostFinance AG also needed a solution that could protect against human errors, ransomware or software errors. This solution would store an additional copy of each object on an independent medium. This replica needed to be as cost-effective as possible.

PostFinance found its answer to this challenge in the form of the PoINT Archival Gateway. This software solution met all of the specified criteria: PoINT Archival Gateway saves object data to tape, which can be integrated as a cost-effective storage medium that is available even offline. Thanks to the native S3 API, the PoINT Archival Gateway also integrates seamlessly into existing infrastructure.

Now, PostFinance AG uses the PoINT Archival Gateway as a backup target for its archive environment. The server nodes of the PoINT Archival Gateway cluster are split across two sites and two Windows 2019 Servers. In this case, the company uses the Compact Edition - PoINT Archival Gateway. Each of the two sites has a Quantum i6 tape library. Using cross-region replication (CRR), the PoINT Archival Gateway automatically receives a copy of all data from the object storage system. The

software saves this data to each tape library for redundant storage. In this way, around 190,000 objects are replicated using the PoINT Archival Gateway every day—and 1.3 million every week.

Backup copies are accessed using the native S3 API. This means that in case of emergency, entire buckets or individual objects can be restored via S3. This PoINT Archival Gateway configuration has a gross capacity of 2.4 PB. By adding additional slots and drives to the tape libraries, the solution's capacity and performance can be easily scaled up as needed.

Andreas Christen, Technology & IT Infrastructure Data of PostFinance AG: "With the PoINT Archival Gateway, we are replicating our archive data on tape, improving our data security. In the first three months, we backed up around 100 TB of data in this way. Thanks to the standard interface, we can easily integrate the PoINT Archival Gateway into our existing storage infrastructure. By using tape as an additional S3 storage class, we have been able to massively improve our security design."

The PoINT Archival Gateway provides reliable, flexible data security support to PostFinance AG. By replicating data to an independent, offline storage medium, the risk of data loss is minimized. Saving objects to tape with PoINT Archival Gateway is cost-effective, easy to scale up and vendor-independent.

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.