PoINT Storage Manager

File tiering and archiving for NetApp Storage

The Challenge

Most primary storage systems are overloaded with inactive and unstructured data. Utilizing primary storage for files that are not accessed for months or even years is an inefficient use of enterprise resources. Space that should be used for active files becomes rapidly consumed while backup windows continue to grow unabated. Enterprises need a solution to optimize resources and manage inactive unstructured data by keeping active files on fast primary storage and moving inactive files to secondary and archive storage. PoINT Storage Manager provides the solution to this dilemma.

The Solution

PoINT Storage Manager for NetApp provides an advanced, scalable file tiering and archiving solution to address the problems caused by the growth of unstructured data on primary storage. The software supports primary storage systems such as NetApp FAS and integrates NetApp storage (for example, StorageGRID Webscale, SnapLock, and AltaVault). The software also integrates alternative technologies (for example, tape, optical, cloud) into the existing storage infrastructure without costly changes and disruptions. PoINT Storage Manager performs automated file tiering and archiving by policy-based identification and movement of data from primary to secondary storage while maintaining transparent user access to all data.

KEY BENEFITS

Optimized data placement
Policy-based tiering and archiving of inactive files from primary to secondary/archive storage.

Cost savings
Recovery of valuable primary storage space and shrinking of backup windows
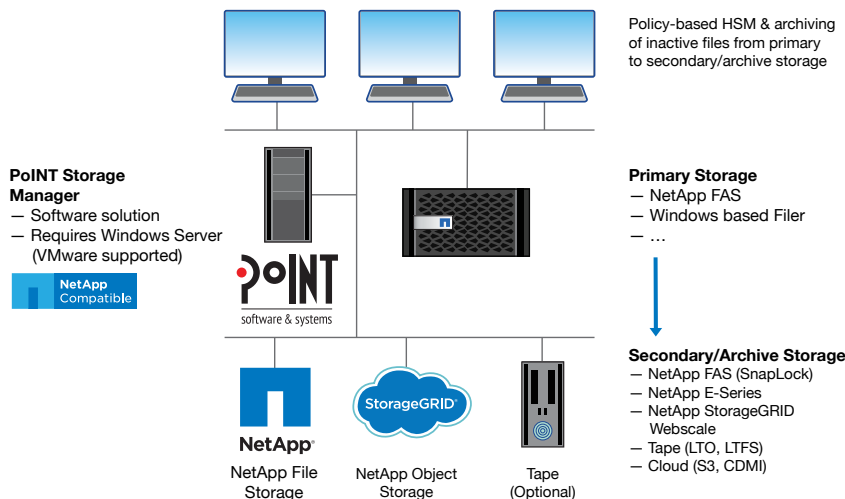
Reduced risk of litigation
Fulfillment of archiving and compliance requirements, including retention management

Transparent access through NetApp® FAS
"Single Path Access" through NetApp FAS to archived files, including pass-through support (no restore); no changes to applications required

Native integration of NetApp storage
Homogeneous integration of NetApp storage products as secondary/archive storage, including NetApp StorageGRID® Webscale, SnapLock®, E-Series, and AltaVault™

SOLUTION

NetApp Products:
- NetApp FAS
- NetApp StorageGRID Webscale
- NetApp SnapLock
- NetApp E-Series
- NetApp AltaVault

Partner Products:
- PoINT Storage Manager

Policy-based HSM & archiving of inactive files from primary to secondary/archive storage

PoINT Storage Manager
— Software solution
— Requires Windows Server (VMware supported)

Primary Storage
— NetApp FAS
— Windows based Filer
— …

Secondary/Archive Storage
— NetApp FAS (SnapLock)
— NetApp E-Series
— NetApp StorageGRID Webscale
— Tape (LTO, LTFS)
— Cloud (S3, CDMI)

NetApp File Storage

NetApp Object Storage

Tape (Optional)

Cost Savings

By moving inactive data from primary storage to secondary/archive storage, enterprises optimize data placement and save costs. Less data on primary storage also results in shorter backup times and simplified data management. PoINT Storage Manager allows managers to automate the process of optimal placement of data, resulting in significant savings and enabling new capabilities.
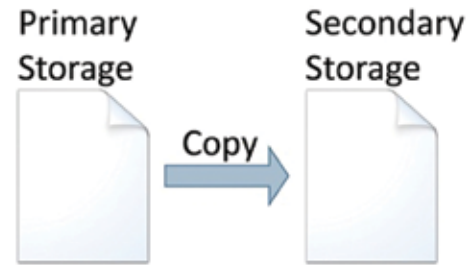
Compliant Archiving

Enterprises that must comply with government laws and regulations can leverage PoINT Storage Manager to provide a storage layer for long-term archiving. Alteration or deletion of files is prevented while retention policies protect content for a period determined by business, legal, or government requirements.

Copy Mode
Original file is retained

Data Mover Mode
Original file is deleted

HSM Mode
Original file is replaced by transparent link ("Stubbing")

Policy-Based File Tiering

The policy engine of PoINT Storage Manager supports tiering and archiving of files based on a wide range of criteria and methods. File tiering methods include copying of files (Copy Mode), moving of files (Data Mover Mode), and stubbing of files (HSM Mode).
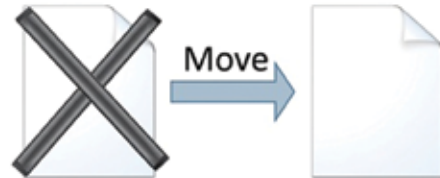
File Archiving

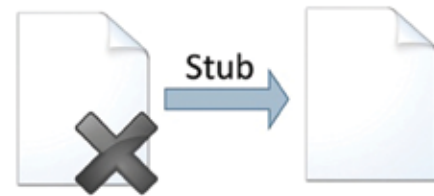Files are protected against modification or deletion by the sophisticated Archive Volume concept, which also includes functions such as versioning, authentication, and encryption. Archiving requirements can be fulfilled in combination with all types of storage systems (including StorageGRID Webscale and SnapLock), which can be configured in the Archive Tier of PoINT Storage Manager.

"PoINT Storage Manager is the ideal solution for us to improve our usage of NetApp MetroCluster by migrating inactive files to a NetApp FAS as secondary storage. PoINT Storage Manager also integrated our tape library into the NetApp environment."

Christoph Sulik
Division Manager, System Integration
at the St. Augustinus Clinics in Neuss,
Germany