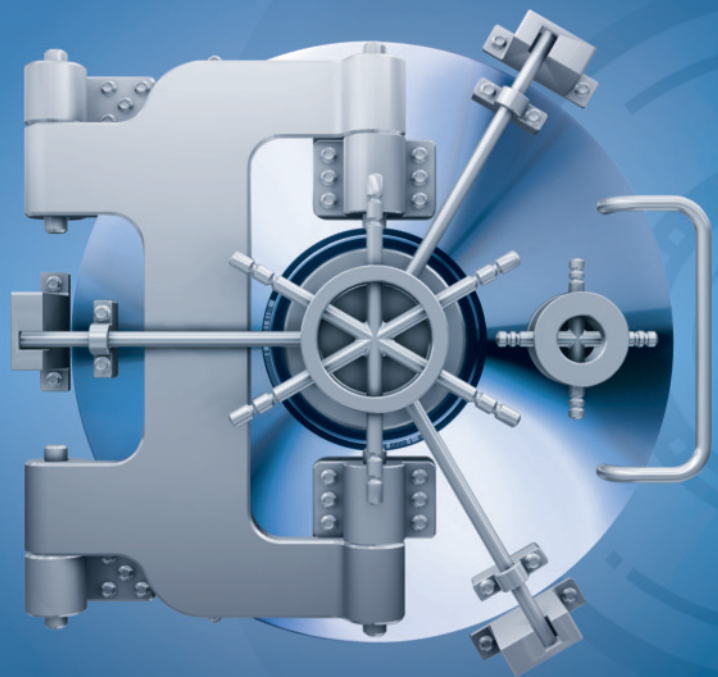


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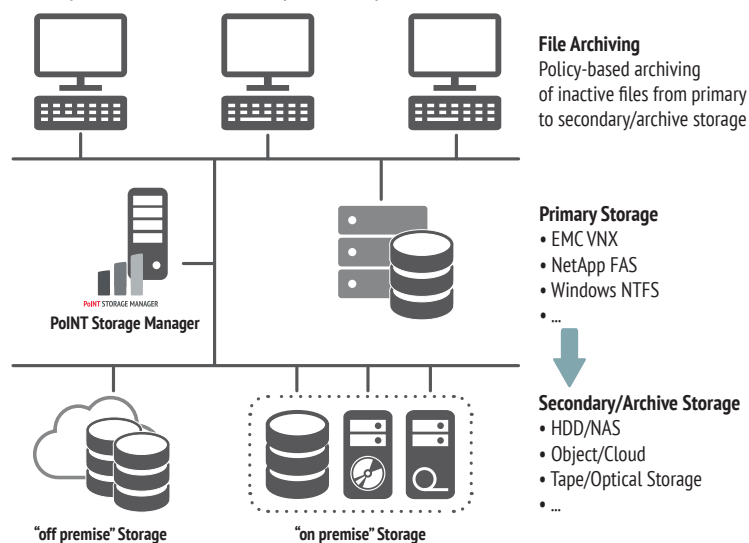
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Most primary storage systems are overloaded with inactive and unstructured data. Utilizing primary storage for files which are not accessed for months or even years is an inefficient use of enterprise resources. Space that should be used for active 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 unstructured and inactive files to secondary and archive storage. PoINT Storage Manager provides the solution to this dilemma.

AUTOMATED FILE TIERING & ARCHIVING

PoINT Storage Manager integrates secondary and archive storage systems into the existing storage infrastructure without the need for costly changes and disruptions. PoINT Storage Manager performs automated file tiering and archiving by policy-based identifying and moving of data from primary storage systems to secondary and archive storage while maintaining transparent user access to all data. It also has an integrated migration functionality to quickly replace legacy storage with new systems without interruption of operation.



Cost Savings

By freeing up valuable primary storage space from inactive data, enterprises can delay the purchases of new arrays or additional disks. 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 which 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.

High Availability

Permanent access to active as well as to archived data is essential for companies. This is provided by the Secondary Access Server of PoINT Storage Manager. In case of a server failure the Secondary Access Server enables access to archived files for applications and users.

Benefits

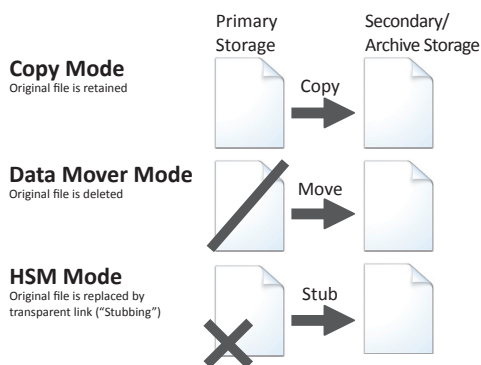
- Efficient use of primary storage
- Compliant archiving
- No vendor lock-in
- Use of standards
- Centralized administration
- Reduced capital expenses
- Shrunken backup windows

Features

- Automated file tiering & archiving (HSM/ILM)
- Transparent user access
- WORM file system
- Retention management
- Background replication & migration
- Wide range of supported storage systems
- High availability

Policy-based Tiering and Archiving

The policy engine of PoINT Storage Manager supports tiering and archiving of files based on flexible policies and methods. File tiering methods include copying of file (Copy Mode), moving of file (Data Mover Mode) and stubbing of file (HSM Mode). Archiving requirements can be fulfilled in combination with all types of storage devices which can be configured in the Archive Tier of PoINT Storage Manager. Archived files are protected against modification or deletion by the sophisticated Archive Volume concept which also includes functions like versioning, authentication and encryption.



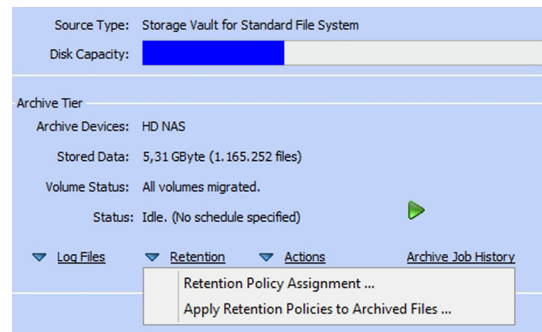
Hybrid Storage Infrastructure

PoINT Storage Manager offers integrated support for all storage technologies (disk/flash, object/cloud, tape and optical) including replication on different media types as well as off-line media management. This gives customers the opportunity to setup a hybrid storage infrastructure and to homogeneously combine on- and off-premise storage. Proprietary hardware solutions with long term dependency and unforeseeable support costs can be avoided and eliminated.

Retention Management

The Retention Management functions of PoINT Storage Manager ensure that selected files cannot be deleted from the configured archive storage before the configured retention period has expired. PoINT Storage Manager

provides configurable retention policies which can be assigned to different directories and which automatically determine the retention period for archived files based on file attributes. Additionally administrative deletion of selected files is supported after their retention period has expired.



WORM File System

PoINT Storage Manager offers a native WORM file system as standard Windows CIFS share. Files which are written to the CIFS share are archived and protected by the PoINT Storage Manager archiving functions including encryption, authentication and retention.

Transparent Migration

PoINT Storage Manager provides integrated functions for migration of primary and archive storage systems. File systems from older file servers or NAS systems as well as obsolete archive devices can be migrated in background. This concept allows uninterrupted operation of applications and users even during the migration. All data is available during the migration process and no re-configuration is necessary.

Centralized Monitoring & Administration

The PoINT Status Monitor component helps detecting and reporting problems in a multi-server configuration. Besides the monitoring functions, the PoINT Status Monitor allows monitoring and managing multiple PoINT Storage Manager servers within one user interface.

Technical Information

Supported Storage Systems

- NAS (Dell/EMC, HP, NetApp, ...)
- Object Storage (Cloudian, Dell/EMC, IBM, NetApp, SUSE, ...)
- Public Cloud (Amazon S3, Microsoft Azure, ...)
- Appliances (Crossroads, FAST LTA, Quantum, ...)
- Tape (HP, IBM, Quantum, Qualstar, Spectra Logic...)
- Optical (DACAL, DISC, HIT, Panasonic, SONY, ...)

Note: This list is extended on a regular basis. Please contact PoINT Software & Systems for an up-to-date list of supported storage systems.

System Requirements

Windows Server 2012, 2016 (VMware supported)

Additional information and a trial version of PoINT Storage Manager are available at www.point.de. Information and trial versions of additional PoINT products are available there also.