PoINT Storage Manager

Automated File Tiering & Archiving
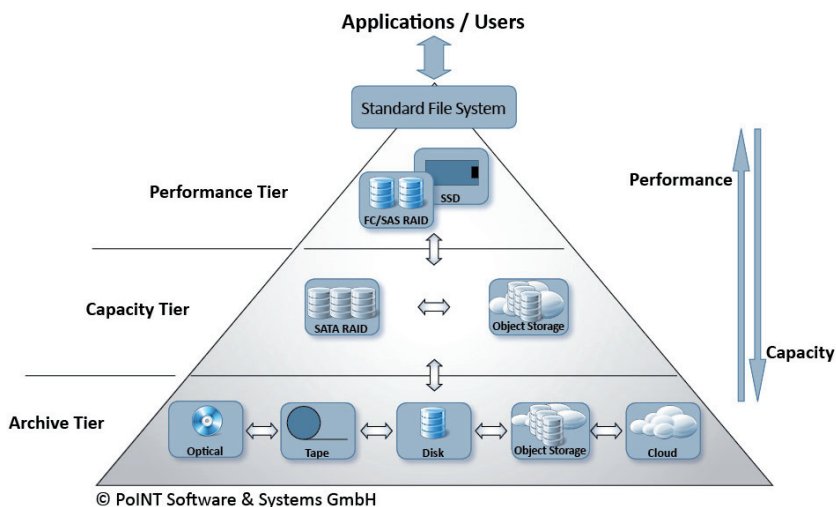
Storage solutions are under constant pressure: 24 x 7 availability, at the same time faster access is required and increased capacity is always needed. And the cost of the systems is always under pressure! PoINT Storage Manager reduces the investment costs of storage systems by combining different storage technologies in a tiered storage architecture. PoINT Storage Manager also reduces the backup and recovery times and reduces the cost caused by replication and archiving of data. By using PoINT Storage Manager it is possible to dramatically reduce the cost and complexity of replacing "older" storage systems, it is possible to integrate "older" storage systems easily in a tiered storage solution and it helps reduce future migration costs as well. PoINT Storage Manager is a "Software Only" solution.

AUTOMATED FILE TIERING

PoINT Storage Manager can implement a multi-tier storage architecture by migrating files, based on their status, to the most suitable tier.
A multi-tier storage concept has the advantage that the different available technologies (SSD, SAS HDD, SATA HDD, Tape, Optical, Object Storage and Cloud) can be used in an optimal manner – without any end-user interaction needed.

© PoINT Software & Systems GmbH

PoINT Storage Manager implements a 3-Tier Storage Architecture based on:

• Performance Tier (high performance storage system for active data)
• Capacity Tier (capacity based storage system for inactive data)
• Archive Tier (storage system designed for long-term archiving)

The size and cost of backing up data can be reduced by using file replication within the same tier or between different tiers.

The following agents are available for the most important primary storage systems:
• PoINT EMC FileMover Agent
• PoINT NetApp FAS Agent
• PoINT TAFS Agent (Windows NTFS)

The above agents allow transparent access to the migrated and archived files (thanks to stubbing). It is also possible to define a rule-based migration for files in primary storage using CIFS access.

FEATURES

- Automated File Tiering
- Long-Term Archiving
- Transparent Migration – „Simple like a Snapshot"
- Offline Media – Tape und Optical
- Cloud & Object Storage
- Software Development Kit

BENEFITS

- Efficient use of expensive primary storage by migrating & archiving inactive data
- Fast and transparent access to all files
- Reduced management overhead due to automation
- No application down-time thanks to file virtualization
- Reduction of data in backup saves time and money
- Compliance requirements can be met
- No additional software needed to integrate tape, optical, Cloud & Object Storage

LONG-TERM ARCHIVING

PoINT Storage Manager implements a file system which uses „Write-Once" capabilities thus allowing correct implementation of compliance rules. This virtual file system allows the users to be free in their choice of which storage solution from which vendor to implement – while still remaining compliant. Retention management is used to ensure that objects at the end of their lifecycle are deleted. Hash codes are generated and encrypted for all archived files and are stored in the database and on the archive media. This method ensures it is possible at any time to cross-check if archived files have been deleted or tampered with.

TRANSPARENT MIGRATION – „SIMPLE LIKE A SNAPSHOT"

The automated file system migration within PoINT Storage Manager allows a stress-free migration of file servers, NAS systems and older archive systems to newer technology. The files on the older systems are migrated via a background process to the new storage system. The older storage systems are offline for a very short time-period, the applications can run with no interruptions and no re-configurations are needed.

OFFLINE MEDIA – TAPE AND OPTICAL

PoINT Storage Manger offers integrated support for tape and optical solutions. The corresponding storage systems (tape drives, loaders, libraries) are supported directly by PoINT Storage Manager. Tapes and optical discs can be used "Online" (within the storage system) or "Offline" (using the integrated offline media management).

SDK - SOFTWARE DEVELOPMENT KIT

The Software Development Kit (SDK) can be used by system integrators to incorporate the functionality of PoINT Archiver into applications via a suitable programmers interface (API). This SDK provides the control of policy-based archive-jobs as well as comprehensive query functionalities, referring e.g. to the file path of archived data and configuration settings. The hardware-independent API of the SDK allows a fast and easy integration of tape and optical based Storage devices like LTO Loaders, LTO Libraries and Blu-ray Disc Jukeboxes.

ADDITIONAL INFORMATION

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

TECHNOLOGIES
- SSD
- HDD
- Optical
- Tape
- Object Storage
- Cloud

STORAGE SYSTEMS
- Appliances
- Autoloader
- DAS (Direct Attached Storage)
- Stand-alone Tape Drives
- Libraries
- NAS (Network Attached Storage)
- SAN (Storage Area Network)

SERVER OPERATING SYSTEMS
- Windows Server 2008/2012