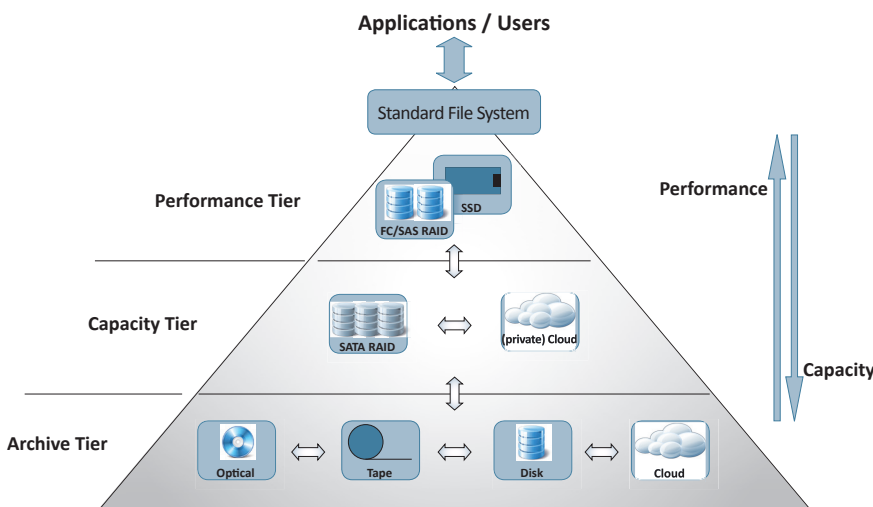# PoINT Storage Manager

Tiered Storage and Archiving

Today, continuously increasing demands for performance, availability and capacity of storage systems stand in contrast to a high cost pressure. PoINT Storage Manager decreases initial cost by combining different storage systems within an automated Multi Tier Storage Architecture. In addition, PoINT Storage Manager also decreases backup and recovery times and therefore cuts down corresponding cost by integrated replication and archiving functions. Replacement of obsolete storage systems, which is quite often very expensive, as well as their integration into a new storage environment (storage consolidation) is integral part of this "software only" solution. Therefore future migration cost can be reduced at this stage or even be avoided.

AUTOMATED TIERED STORAGE

PoINT Storage Manager realizes a multi tier storage architecture by migrating („purging") data - considering its status - automatically into an appropriate storage tier.

This automated tiered storage concept allows usage of different technologies (hard disk, tape and optical) according to their strengths - no user action is needed.

PoINT Storage Manager implements a three Tiered Storage Architecture:

• Performance tier (high performing hard disk systems for active data)
• Capacity tier (capacity-optimized storage systems for inactive data
• Archive tier (storage systems optimized for long-term archiving)

FEATURES

● Automated Tiered Storage

● Long-term Archiving incl. Retention Management

● Transparent Migration

● File Virtualization

● Data Protection & Security

● Cloud Storage

BENEFITS AND ADVANTAGES

● Efficient use of expensive primary storage by migrating inactive data

● Permanent availability of active data

● Reduced management efforts thanks to automated processes

● Uninterrupted use of applications

● Cost and time saving by reduced backup data volumes

● Fulfillment of compliance demands

● No additional software required for integration of tape and optical

LONG-TERM ARCHIVING
INCL. RETENTION MANAGEMENT

PoINT Storage Manager offers a file system with flexible "write-once" features, fulfilling all demands of compliant archiving. Thanks to its virtualization facilities, storage technologies and hardware can be chosen freely while additional regulatory demands are complied with. The retention management monitors – if required - deletion of objects at the end of their lifecycles.

TRANSPARENT MIGRATION

The PoINT VFS is an integral part of PoINT Storage Manager. It integrates obsolete systems (e.g. MO/WORM jukeboxes) and new storage systems into a consolidated storage solution. Files of the old storage system remain within file system access and are then seamlessly migrated into the new system by background operation. This scenario allows uninterrupted operation of the application even during migration - no reconfigurations are necessary.

FILE VIRTUALIZATION

PoINT Storage Manager centrally administrates peripheral storage devices of different technologies (hard disk, tape, optical) by accessing these via a standardized Windows CIFS interface. Hardware-specific adjustments are not necessary. The migration of storage systems will be processed without any changes in the application (file virtualization).

DATA PROTECTION & SECURITY

PoINT Storage Manager offers a network-wide and policy-based Data replication. Backup costs are reduced by data replication within a tier or to another tier.

For all archived data a hash code is automatically made and stored encrypted within the database and on archive media. Thus the identification of deleted or modified data and the authentication proof for archived data is possible.

CLOUD STORAGE

Cloud Storage can be integrated by a standard file system into a tiered storage architecture. In principal cloud storage technology can be used for the migration of inactive data (e.g. in a private cloud) or for archiving (e.g. by a Cloud Storage Provider). Also for replication of locally archived data cloud storage can be implemented.

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.

ENHANCED FUNCTIONALITY

Besides the described features PoINT Storage Manager offers additional optional agents and functions:

- PoINT NetApp FAS Agent
- PoINT TAFS Agent
- Clustering

FURTHER INFORMATION

More detailed information and an evaluation version are provided on www.point.de. Here you can also find descriptions and evaluation versions of further PoINT products.

TECHNOLOGIES
- Hard Disk
- Optical
- Tape
- Cloud

STORAGE SYSTEMS
- Appliances
- Autoloaders
- DAS (Direct Attached Storage)
- Single Drives
- Libraries
- NAS (Network Attached Storage)
- SAN (Storage Area Network)

MANUFACTURERS
ASACA, ASM, BDT, DISC, DSM, FAST LTA, GRUNDIG, HP, IBM, iternity, JVC, Kubota, LSK, NetApp, NETZON, NSM, Pioneer, Plasmon, PowerFile, Primera, Promise, Qualstar, Rimage, Sony, Sun StorageTek, Tandberg, TEAC, ...

SERVER OPERATING SYSTEMS
- Windows Server 2003 / 2003 R2
- Windows Server 2008 / 2008 R2

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