



PoINT Storage Manager

Optimizes your storage infrastructure

Presented by PoINT Distributor
for North America



Physical storage of data is becoming the most significant IT cost factor. Especially when considering the acquisition, administration and operational costs of such systems over the retention period of the information. These continuously growing requirements for performance, capacity, availability and retention demand a new and comprehensive approach towards information management. PoINT Storage Manager provides this comprehensive solution, reducing these costs by integrating and managing multiple storage devices in a multi tier storage architecture.

Data stores are monitored and files migrated automatically according to administrative policies such as age, access size etc. Data may be migrated to one or more specified devices using technologies with various capacities, performance, and energy consumption which optimize their usage to reduce costs. Migrated data remains visible and accessible from its original location, reducing administrative costs. Integrated write once file system, replication and archiving functions reduce backup costs. Migration tools facilitate the replacement of obsolete storage systems and the integration of new technologies, assuring that data retention requirements can be realized while leveraging newer and most cost effective technologies.

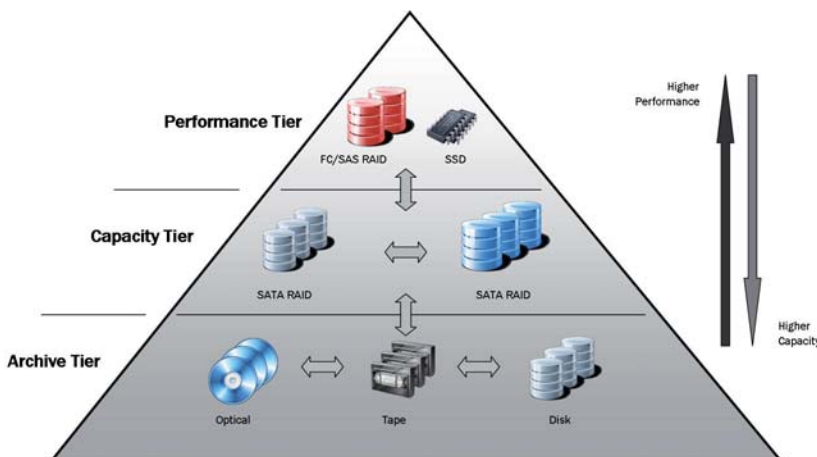
TIERED STORAGE / PoINT TAFS

The PoINT TAFS (Tiered Archive File System) integrates high performance Windows NTFS based storage systems as well as NetApp FAS systems as Tier 1 storage in a Multi Tier storage architecture. Files on these Tier 1 Devices are migrated ac-

ording to configurable rules ("policies") to cost optimized Tier 2 storage (e.g. SATA RAID) and conditionally replaced by transparent stubs ("reparse points") on the Tier 1 storage. Files are accessed by the original path so that no adjustments of applications are necessary. An innovative "pass through" implementation allows that migrated data is directly delivered to the application from the Tier 2 storage.

ARCHIVING

PoINT TAFS also provides an additional set of configurable rules ("policies") which provide migration to an Archive level, Tier 3. The Tier 3 storage can be configured redundantly using alternative technologies including NAS, tape, optical or removable disc to reduce the risk of data loss. Transparent access to data from the Archive Tier 3 is supported at Tier 1 with the same functionalities as from Tier 2. Traditional archiving features such as recovery, restoration, migration and replication are fully supported via a database administered Recovery tool.



HIGHLIGHTS

PoINT Storage Manager

- Tiered storage (HSM) architecture with standardized file system interface
- Virtualization and support for multiple storage devices and technologies
- File Protection by automated replication and write once file system
- Compliant storage and archiving
- Migration of storage systems as integral part of the solution
- Reduced Costs for Acquisition, Administration and Operation of Data Storage Systems



STORAGE DEVICE VIRTUALIZATION/ PoINT VFS

Different storage technologies (hard disk, tape, optical) can be centrally administrated by PoINT Storage Manager. Read-Write Access to these devices is provided by a standardized Windows CIFS interface by the PoINT VFS (Virtual File System) Hardware device specific adjustments are not necessary and storage system replication and migrations can be performed without changes in the applications. The PoINT VFS file system interface also meets compliance requirements by its flexible "write once" features. Thanks to these virtualization possibilities, the storage technology and manufacturer can be chosen freely and regulatory and retention requirements are fulfilled.

MIGRATION

Data migration is an integral part of PoINT Storage Manager. The PoINT VFS integrates obsolete systems (such as MO/WORM jukeboxes) into a new storage infrastructure. Files on the obsolete sto-

rage system become accessible from the new system by the PoINT VFS. According to Administrator set policies, the PoINT VFS then migrates files seamlessly from the old system to the new system in the background. New files are written directly to the new system and the old system can be removed after migration is finished. This way, an uninterrupted operation of the application (e.g. a DMS/ECM) is possible even during migration.

SOFTWARE SOLUTION

PoINT Storage Manager is a "software only" solution for Windows Server 2003/2008. Fail-safe requirements are realized by the clustering function of the product.

FURTHER INFORMATION

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

SUPPORTED TECHNOLOGIES

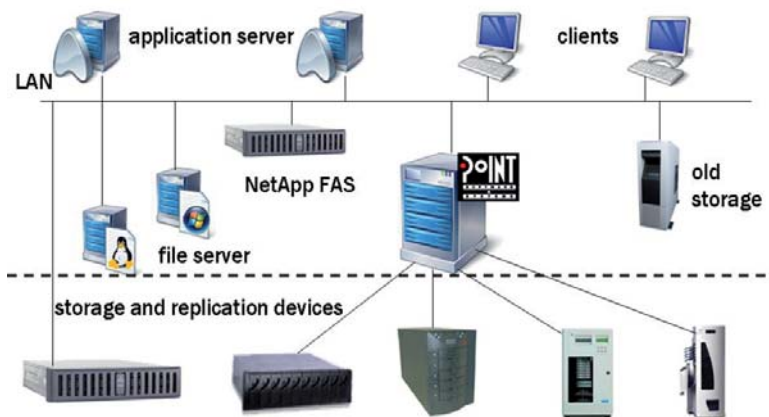
- Hard Disk
- Optical
- Tape

SUPPORTED DEVICES

- Single Drives
- Production Systems
- Autoloader
- Jukeboxes
- Appliances

SUPPORTED MANUFACTURERS

ASACA, ASM, BDT, DISC, DSM, GRUNDIG, HP, IBM, JVC, Kubota, LSK, NetApp, NETZON, NSM, Pioneer, Plasmon, PowerFile, Primera, Qualstar, Rimage, Sony, Sun Storage-Tek, Tandberg, TEAC



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