



PoINT Archiver

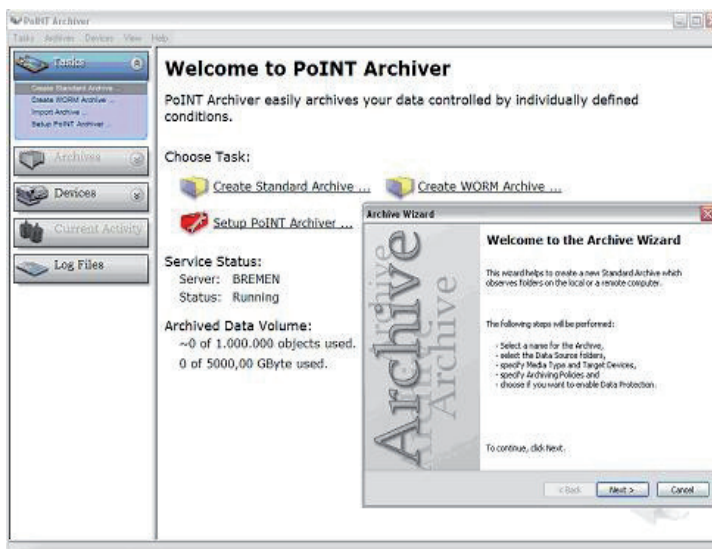
HSM and Archiving

Companies with centrally organized data storage have two common problems:

1. High-priced primary storage systems become consumed with unstructured data, which are infrequently used and often not used at all.
2. Legal archiving requirements of electronic records are fulfilled inefficiently and often not fulfilled at all.

Storing data permanently on primary hard disk systems, which must constantly be expanded, provides a short term solution which is easy to realize but does not provide a sustainable solution to these problems.

A permanent solution can be realized by long-term archival of unused and infrequently used data to secondary storage systems, where removable media such as tape and optical are especially suitable for these purposes. PoINT Archiver migrates data to be archived automated by HSM functionality to secondary storage and thus releases primary storage. The most important advantage is that users and applications have still transparent access to the archived data by the file system of the primary storage.



HSM FOR TAPE AND OPTICAL

PoINT Archiver identifies files based upon defined policies, and migrates these transparently from Windows NTFS based storage systems and NetApp FAS systems. By replacing files with links, directory entries remain at the primary storage systems while the file contents are written to designated archive storage devices. By this process the expensive primary storage space is released while the original file system structure remains. Whenever purged files are accessed,

PoINT Archiver delivers these automated from the archive storage to provide transparent access to the application. As secondary storage, PoINT Archiver provides direct attached support for different device classes (single drives, loaders, libraries) of tape and optical based systems.

POLICY-BASED FILE ARCHIVING

In combination with the HSM architecture and the data purging, PoINT Archiver also offers policy-based archiving. Data within the file system

FEATURES

- HSM for Tape and Optical
- Policy-based File Archiving
- Data Authentication
- Encryption
- Data Replication
- Off-line Media Management

BENEFITS AND ADVANTAGES

- Efficient use of primary storage
- Fulfillment of compliance requirements
- Optimization of backup process
- Decreased cost of energy
- Minimized risk of data loss
- Optimized cost-benefit-ratio



layer of the primary storage as well as data purged to secondary storage can additionally be protected against modifications. Files are protected against modifications or deletion by users or applications. PoINT Archiver also provides the capability to administrate different versions of a file, whereby changes of files can be tracked through multiple archived file versions.

DATA AUTHENTICATION

Hash values (digital fingerprints) are automatically generated for each archived file, encrypted and stored in the database as well as on the archive media. Deleted or modified objects may be easily identified, and the authenticity of archived data can be proven at any time.

ENCRYPTION

Access to archived files can be protected by an encoding process based upon AES 256 standard. Hence, security levels will be increases which is especially important for removable media as well as unauthorized access prevented.

DATA REPLICATION

In addition to the archive devices PoINT Archiver supports replication devices. Data can be archived redundantly to four different storage devices which if required may use different technologies. Data replication is carried out automated and is transparent for users and applications. Furthermore PoINT Archiver offers functionalities for data migration between archive devices and replication devices and for fail over in case of archive device failure.

OFF-LINE MEDIA MANAGEMENT

The full benefits of tape- and optical-based devices become obvious with the off-line media management of PoINT Archiver. Off-line media are managed within the internal database. The integrated search function identifies the media which contains specific files and file versions so that the administrator can locate and retrieve archived files.

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 Archiver offers additional optional agents:

- PoINT TAFS Agent
- PoINT NetApp FAS Agent

STORAGE MANAGEMENT

If in addition to archiving functionalities comprehensive storage management is also desired, PoINT Archiver can be enhanced by PoINT Storage Manager which provides a broad hardware and

technology independent, network wide storage management solution.

FURTHER INFORMATION

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

SUPPORTED TECHNOLOGIES

- Optical
- Tape

SUPPORTED STORAGE SYSTEMS

- Autoloaders
- Single Drives
- Libraries

MANUFACTURER

BDT, Dell, DISC, DSM, HP, IBM, LSK, NETZON, Primera, Qualstar, Quantum, Rimage, Sun StorageTek, Tandberg, TEAC...

SERVER OPERATING SYSTEMS

- Windows Server 2008 / R2
- Windows Server 2003 / R2
- Windows 7
- Windows Vista
- Windows XP Prof.

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