



PoINT Archiver

Secure and Tiered Archival Using Standardized Hardware

HIGHLIGHTS PoINT Archiver

- Long-term protection of files located on hard disk systems by automatic filter and policy based archiving to alternative secondary storage devices
- Shortening of back-up and recovery times by file migration
- Green IT – energy savings by a highly efficient combination of most diverse storage technologies (hard disk, tape, optical media) and by an improved utilization of centralized archiving hardware
- Easy integration into existing workflows and applications (DMS, E-Mail archives etc.) by transparent file migration
- Implementation of existing hard disks and directories into a tiered archival scenario by means of PoINT TAFS
- Purging primary hard disk systems network-wide by PoINT TAFS Clients
- Re-use of existing hardware thanks to a variety of supported devices

Technical facts and latest reports are casting doubts on hard disk being the universal storage medium. This causes re-thinking as to long-term archiving in many fields, be it regarding business critical data or even private digital photography. In case data is to be archived over a long period of time, an additional protection of the rotating magnetic memory on reliable secondary storage media will be necessary. Especially removable media like magnetic tapes or optical media are recommendable as complementing technologies, not least due to their low energy consumption per TB. PoINT Archiver has been optimized with respect to this challenge and it allows an automatic, safe, cost and energy efficient administration of relevant documents on different storage technologies, even with continuously rising data volumes.

ARCHIVING

Configurable filters and rules define which files are to be archived with PoINT Archiver. The source directories can be located on any system throughout the network accessible for PoINT Archiver.

During an archive Job Cycle is executed, all files to be archived are collected and stored on Archive and Replication devices. PoINT Archiver supports most diverse technologies (hard disk, tape, optical media) and devices (single drives, autoloaders, production systems, jukeboxes and appliances), which can also be combined according to the user's demands and specifications.

Moreover, PoINT Tiered Archive Files System (PoINT TAFS) for Windows allows the additional protection against non-authorized manipulations of files stored in the source directory (including permanent WORM mode). This way, the existing system will become part of a tiered archival concept.

MIGRATION

PoINT Archiver is able to purge already archived files automatically. As for the easiest case, archived files are deleted in the source directory. In case of need the files have to be reproduced manually out of the archive. Furthermore, PoINT TAFS allows that files on a Windows server can be replaced by a link ("reparse point") to the archive, network wide. This method is transparent for both users and applications and thus the workflow remains unchanged. Files are accessed by the original path and PoINT Archiver provides the data directly out of the archive.

OPTIMIZING COSTS AND PERFORMANCE

Primary hard disks are expensive, if high performance and reliability are required. Moreover, unchanged and infrequently used data occupy the lion's share of the total capacity. Centralized archiving systems have mostly been purchased for special applications like DMS for example.

By means of PoINT Archiver and PoINT TAFS files are moved to secondary storages and thus primary hard disk systems must be extended less often. This file based archiving solution enables various applications to use high-volume archival hardware, which leads to a more efficient operation of the system.

Offering equivalent performance, the energy consumption can be reduced significantly through a combination of hard disk, tape and optical media when compared to pure hard disk systems.

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SECURITY

To be able to detect possible manipulations of archived data, a digital fingerprint of the file and the archive-volume is stored in an encrypted way and afterwards archived in a database. Deleted or manipulated documents can be identified, reported to the administrator and recorded accordingly.

Optional encryption mechanism for the complete file system protects the archived data against unauthorized access. By the combination of a system key and various archive keys, files are also protected outside the specific PoINT Archiver installation. This method combines the advantages of removable media with the high level of security offered by closed systems.

FURTHER INFORMATION

More detailed information about system requirements and supported hardware is provided on the PoINT web site www.point.de, where you can also find evaluation versions and descriptions of further PoINT applications and PoINT software development kits.

TECHNOLOGIES	Hard disk CD, DVD, MO/UDO, BD LTO
DEVICES	Single drives Production systems Autoloader Jukeboxes Appliances
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...
SERVER OPERATING SYSTEMS	Windows Server 2008 Windows Vista (Ultimate/Business/Enterprise) Windows Server 2003 Windows XP Prof. Windows 2000

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