

# Optical Library Storage Management

The Ideal High Capacity Data Storage Solution for Archiving, Compliance and Disaster Recovery.

## POINT FSX V2.1 FOR LINUX

Full Function, Lower Cost Jukebox Management for Linux Servers



PoINT FSX is designed to provide the complete functionality to integrate and operate an optical jukebox in a heterogeneous network environment. Users and applications have transparent access to the huge storage capacity of CD/DVD, MO, UDO and Blu-ray jukebox devices.

- Supports all Optical Jukeboxes and Technologies (CD/DVD, MO/UDO, Blu-ray)
- Transparent read/write access to Optical Libraries
- Permanent Write Once Data Storage (WORM)
- Graphical User Interface –  
Java Based Web Administration Tool
- Command Line Interface –  
Single Command line Configuration File
- Linux based user/group rights and permissions
- Volume Sets (logical groups of Physical Media)
- Dynamic growth of Volume Sets & File Spanning
- Automatic copy of finalized Volume Set media
- Dynamic Image Recording' for DVD
- Hard Disk performance by integrating sophisticated file caching
- Automatic device configuration
- Off-line management of files and media

### The PoINT FSX Concept

PoINT FSX provides hard disk like access to data stored on optical media in a jukebox. The product concept takes advantage of the Linux architecture. Transparent read/write access to optical media in a jukebox is provided through a mountable UNIX file system. The jukebox is represented as one directory and imported media are represented media sets or individual subdirectories. Multiple platforms like UNIX, Windows or Macintosh can have access to the data stored on optical media in the jukebox. The standard UDF file system is used for all writable media.

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## **PoINT FSX Version 2.1** **Linux Based Storage Management Software for Compliant Data Archiving**

### **Unlimited Optical Storage**

PoINT FSX offers an effective way to combine multiple physical media into a single, logical volume. These are called 'Volume Sets' and each represents a storage subset in which every medium can also be read individually. Files and directories can be seamlessly spread over these media by using the UDF File System. Multiple platforms like UNIX, Windows or Macintosh can have access to the data stored on optical media in the jukebox.

### **FSX File System**

- Representation of FSX file system as NFS and SMB shares (requires Samba)
- NFS protocol version 2 and 3
- Representation of each medium as a subdirectory, or Volume Set representation of multiple media as a subdirectory under the root directory of the NFS share
- Grouping of multiple media under a 'virtual directory'
- LINUX based user/group rights and file permissions

### **Caching**

- Adaptive hard disk caching of directory structure for all volumes
- RAM caching for optimized read/write performance
- Configurable read cache on hard disk
- 'Write through' mode

### **Administration**

- Set of command line programs and script files covering hardware and FSX configuration as well as operation of the system
- Configuration file for runtime parameters
- Graphical User Interface (Java application)

### **Third Party Integration**

By its flexible set of commands, PoINT FSX provides a software platform for manufacturers of complete solutions (e.g. system integrators, OEM) for systems like appliances or NAS which incorporate optical jukebox technology.

### **Optical Disc File Formats**

- ISO9660 (incl. RockRidge and Joliet)
- UDF 1.02, 1,5

### **Supported Jukeboxes \***

Asaca, ASM, BDT, DISC, DSM, GRUNDIG, HP, JVC, Netzon, Pioneer, Plasmon, PowerFile, Sony

### **Network Clients**

- UNIX via NFS
- Windows via SMB

\*The list of supported jukeboxes and changers is extended on a continuous basis.