



USDesign USS 3.0
*is a platform independent optical
 storage management software
 solution for jukebox libraries and
 desktop optical devices.*

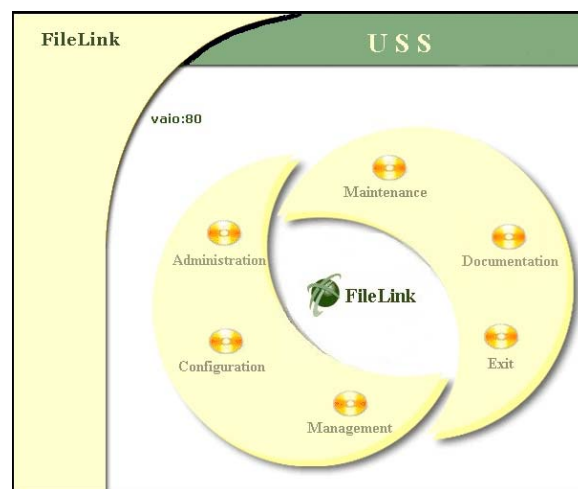


USS 3.0 for Jukebox Libraries

- Provides access to storage media in industry standard medium changers; such as: Asaca, Disc/NSM, Hewlett Packard, Hitachi, Kubik, Kubota, Pioneer, Plasmon, Sony and others. Access to the optical media is through a powerful transparent scheduler.
- Provides a consistent interface for management of devices for all platforms. This consistency is due to the use of the standards based interfaces of HTML and RPC. Web-based access to management functions for users is provided via a web server that uses the HTML interface. Access to management functions for applications is provided via an API that uses the RPC interface. Because RPC is standards based, applications can manage USS regardless of client or host platform.
- USS is implemented using the programming languages, JAVA™ and HTML, and the RPC protocol. There is only one code base for USS simplifying maintenance and future development. The USS software can be installed and executed on any system that supports the JAVA™ VM (Virtual Machine).

USS 3.0 has many unique features and capabilities. USS provides applications and users the functionality necessary to access many forms of optical disk storage using the services of the host operating system in addition to network access methods NFS, NAS and SMB. In most cases, no changes will be required to existing applications that use magnetic disk storage.

USS protects customer investment in existing hardware and media by supporting a wide range of platforms and devices. Customers need not migrate to a new hardware to use newer file system technologies. In addition, USS supports many legacy file systems through the use of a single software package. Costly media conversion processes are eliminated. USS protects customer investment in new media through use of the UDF file system. The UDF file system is portable across many platforms, eliminating future media conversion processes.





Platform Independence

USS is implemented using the JAVA™ and HTML programming languages, and the RPC protocol. There is only one code base for USS, thus simplifying maintenance and future development. USS can be installed on any system that supports the JAVA™ virtual machine (VM).

Architecture

- USS is modular in its architectural design, which allows complete flexibility and growth for future requirements.
- The **Medium Changer Module** transparently controls, monitors, schedules and moves media in a jukebox. Planning algorithms are used to optimize performance by queuing requests to the jukebox. Scheduling algorithms select media in the queue based on several factors, and then manage selection of the internal drives for media access.
- The **File System Module** provides a unique method of reading supported file systems by scanning the surface of the optical media and interpreting the embedded format; thereby selecting the appropriate file format to meet the requirements of the application.
- The **Network Interface Module** provides access to optical drives using standard network protocols.
- The **Web Maintenance Module** provides a real-time information gathering, tracking and reporting system, as well as media management (browser-based) for your optical hardware.

File System Independence

The **UDF file system** is standards based. The OSTA (Optical Storage Technology Association) has developed UDF as a cross platform file system. Media written with the UDF file system is portable across many platforms. USS supports UDF 1.02 and 1.50 file system formats. USS supports the following media technologies with the UDF file system: Rewritable and WORM MO,DVD-RAM,DVD-R,DVD-RW,DVD-ROM, CD-R,CD-RW, and CD-ROM.

USS also supports the Rockridge extensions to the ISO-9660 file system for read-only access to CD-ROM media.

FileLink Home

Administration Configuration Management Maintenance Documentation Exit USS

main:## - Management - JBC000 - Volume List

Total Storage Elements	20
Total Licensed Storage Elements	10
Number of Media Surfaces	4
Number of Volumes	4

Import Media List Release All Volumes

Released From Cache

Volume Name	Shelf	Side	Status	Release
JBC000_1A	11	A	mounted	<input type="checkbox"/>
JBC000_2A	12	A	mounted	<input type="checkbox"/>
JBC000_3A	13	A	mounted	<input type="checkbox"/>
JBC000_4A	14	A	mounted	<input type="checkbox"/>

Released From Cache

Supported Environments

- Windows NT 4.0 with Service Pack 6 or higher
- Windows 2000 Server or Workstation
- Tru64 UNIX 4.0d, 4.0e, 4.0f, 5.0, 5.1a
- Solaris SunOS 5.7, 5.8, 5.9 (32 and 64-bit)
- RedHat Linux 7.2, 7.3, 8.0
- OpenVMS Alpha 7.2 or higher

For more information, call 1-800-622-8732, or visit www.objectivedatastorage.com

