



SeaChange® File Directory™ Server

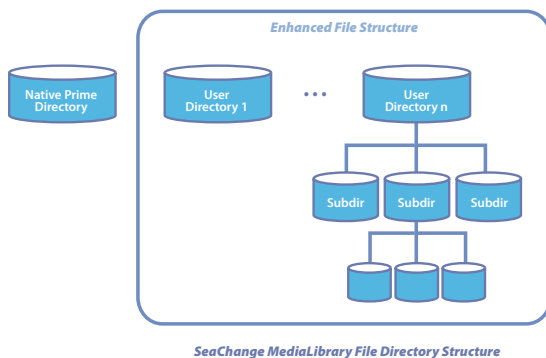
File Management for the SeaChange® MediaClient™ Video Platform

The SeaChange® File Directory™ Server is a companion product designed for use with SeaChange® MediaLibrary™ systems. MediaLibrary systems provide media storage and high performance streaming capabilities for the SeaChange® MediaClient™ Video Platform.

MediaLibrary systems employ a clustered architecture and RAID²® file protection to provide efficient media storage requiring a single file copy yet providing high performance, scalability and unequalled fault tolerance. To external systems, a MediaLibrary cluster appears as a single logical storage element with a single Native Prime Directory.

When large numbers of files are stored in a central MediaLibrary system, it can be challenging to name, locate and organize these files in one directory. In most cases media companies wish to separate media assets by department, project, editor or user.

HIERARCHICAL FILE STRUCTURE



When combined with a MediaLibrary system, the File Directory server enables users to expand the file directory structure by creating additional directories, subdirectories and so on. This enables files associated with individual users, editors, depart-

ments or projects to set up and manage media content. In effect, the File Directory Server establishes a hierarchical structure on top of the Native Prime Directory.

With the enhanced file structure established, the Native Prime Directory is typically reserved for on-air assets. Files in the prime directory are accessed by SeaChange MediaClient Codecs for payout.

REDUNDANT OPERATION

An organized asset library is more valuable to a media company than one which is not organized. A prime design objective of the SeaChange File Directory Server program was to protect against the loss of the file directory structure by way of a failed File Directory Server. To prevent such a loss, the SeaChange File Directory Server is designed to be installed as mirrored pairs. File Directory Servers are equipped with services that exchange “heartbeat” signals with each other to detect failures. Should the primary server fail, the backup unit automatically replaces it. When a failed unit is replaced, its directory structure is rebuilt to match that of the current primary unit and it enters backup mode. File Directory Servers feature “teamed” NICs supporting Switch Fault Tolerance. This unique combination of “heartbeat” detection and “teamed” NICs assures users of the integrity and safety of their media file management system.

SECURITY FEATURES

All shared file environments require security provisions. SeaChange File Directory Servers provide a multi-level security scheme. All users can be given a MediaLibrary Login/Password. Users can be granted either no access, read-only or full access on a folder-by-folder basis. Shared folders can be defined to allow exchange of content. System Administrator has access to and manages all folder, user and system policies.

FEATURES

- Supports a hierarchical directory structure
- Dedicated Prime Directory for MediaClient play-to-air assets
- Automatic failover on failure of primary File Directory Server
- Automatic rebuild of replacement of failed server
- Multi-level security scheme to protect and preserve media assets
- Periodic checking of consistency File Directory and SeaFile
- SuSE LINUX 9.1

HARDWARE SPECIFICATIONS

Chassis	Intel® SR2400
CPU	Intel® 3.2 GHz Xeon, 1GB
Storage Media	146GB 10K RPM SCSI hard drive (system disk) DVD-ROM
Bezel	Locking Front Bezel

SOFTWARE SPECIFICATION

Operating System	SuSE LINUX 9.1
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CHASSIS SPECIFICATIONS

Type	2RU Rackmount
Color	Black
Size (H x W x D)	3.45" x 16.93" x 26.46" / 87.5mm x 430mm x 672mm
Weight	60 lbs (27.2 Kgm)
Operating Temperature	10°C to 35°C
Humidity	20% to 80% RH, non-condensing

POWER SUPPLY

Input Range	100 –127 / 200-240VAC, 50 – 60Hz
Power Supply Capacity	700 W
Fault Tolerance	Standard Hot-swappable Power Supply

ORDERING INFORMATION

Sales Order Number	Description
TLA-5001-00	SeaChange File Directory Server, consists of redundant pair of servers, heart-beat interconnect cables, documentation, software. For use with SeaChange® MediaLibrary™ 24000e or SeaChange® MediaLibrary™ X12100e
TBD	File Directory Server Spares Kit, consisting of field-replaceable 700W power supply, field-replaceable fan, Fujitsu 146GB Service Disk (w/ Linux OS, File Directory Server Software). SeaChange recommends one spares kit per Primary/Backup File Directory Server combination.

COMPLIANCE

Safety and EMC Compliance

Country	Certification Safety and/or EMC	Regulatory Mark Safety and/or EMC
Argentina	IRAM	Not applicable
Australia/ New Zealand	ACA, MED	C-Tick
Belarus	Bellis	Not applicable
Canada	UL / Industry Canada	cURus / ICES
China	CNCA	CCC
Europe	European Directives	CE
Germany	GS	GS
International	CB Report / CISPR	Not applicable
Japan	VCCI	VCCI
Korea	RRL	MIC
Russia	GOST	GOST
Taiwan	BSMI RPC	BSMI
United States	UL / FCC	CULus / FCC