

APPLICATION NOTE

Aurora Browse Integration with Nesbit Media Library System/Preview+ (MLS/P+)



January 2010

Nesbit's Media Library System (MLS) is a broadcast industry standard for media asset management. Preview+ (P+) is an extension and the natural progression of the Nesbit Media Library System. It is fully integrated with the rich feature base of MLS and provides low-res digital asset creation and management within the context of current library operations and requirements. MLS and P+ create a single platform for managing both analog and digital assets.

By integrating Grass Valley™ Aurora™ with MLS/P+, you can get an exact, low bit-rate copy of the original high-resolution video media and allow the proxy to be viewed and logged at the desktop. By exchanging metadata between Aurora and the Nesbit MLS/Preview+, the system will have descriptive data for both low-res and high-res files, as well as pointers to the location of these files. Both high-res and low-res files may be played and logged within MLS/Preview+. The powerful query and asset management capabilities of MLS/P+ allows you to view, log, track, and manage low-res and high-res Aurora files.

Product Design

The summary elements of the Grass Valley Aurora and Nesbit MLS/P+ integration are:

- MLS/Preview+ incorporates the Grass Valley MediaFrame player
- Import of Aurora 'custom' and 'keyword' data into MLS/P+. This creates new records within MLS/P+ or updates the existing record (based on matching IDs between Aurora and MLS/P+)
- MLS/P+ notifying MediaFrame of changes, and updates the MediaFrame record
- MLS/P+ provides logging of the low-res Aurora-ingested file
- MLS/P+ provides EDL clip selection
- MLS/P+ provides extensive search function to find information that may have originated in the Aurora system, or metadata that exists in MLS/P+. Searches are comprehensive, down to the shot level

Workflow

Ingest operations are performed with the Grass Valley Aurora system. This operation creates a low-res proxy that is accessed by MLS/P+. This can be any type of content—the live feed, ingest of commercial spots, shooter tapes, etc. The generation of the Aurora low-res proxy creates a new record in MLS/P+. The proxy and the metadata are imported (from Aurora) into MLS/P+. From that point onward, users can play the proxy, log, add metadata, search, etc.

Ingest

During ingest of a videotape, to eliminate the double entry of metadata, the Aurora system exchanges a videotape's barcode and high-level metadata with MLS/P+. In the event of an ingest with no MLS/P+ record, the metadata captured at ingest will be written to MLS/P+ creating a new record.

When existing archival tapes are ingested, MLS/P+ will be updated to indicate that there is now a digital copy as well as the 'original' tape. The MLS/P+ client will be able to view the production system proxy.

Data Integration with MLS/P+

In brief, the bi-directional interfaces to/from Aurora and MLS/P+ are:

- The 'main' Aurora screen information is transferred to MLS/P+. This is the summary data captured on ingest
- The 'keyword' Aurora screen information is transferred to MLS/P+
- A subset of the logging data captured in MLS/P+ will be transferred to Aurora if required

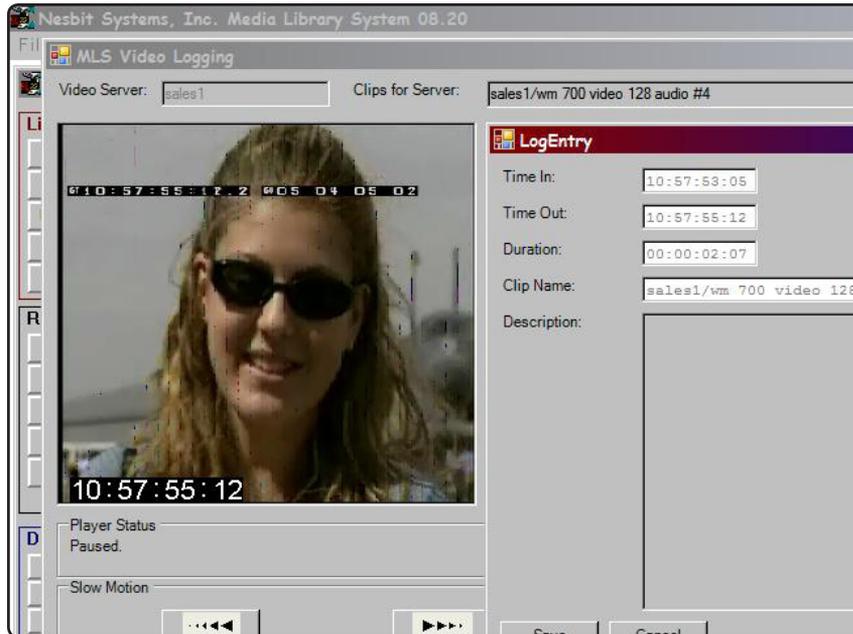
All data transfers will be designed to operate at operator-defined frequencies. All transfers will operate on business rules to be defined in detail task requirements.

Workflow (Cont.)

Logging & Viewing

MLS/P+ provides low-res proxy viewing. These proxies are viewable from any workstation on the network that has access to MLS/P+.

Nesbit uses the Grass Valley MediaFrame player for viewing the proxy within MLS/P+. The Aurora-ingested files are viewable within MLS/P+ with the Aurora Browse player and its VTR-type controls. The Aurora proxy system is also tightly integrated with the logging tools provided by MLS/P+ for desktop logging of material during ingest and post-recording.



The MLS/P+ proxy system provides frame-accurate timecode source for setting the in and out points in the MLS/P+ logging application.

Any metadata in the Aurora system that is relevant to logging will be imported into MLS/P+ from Aurora.

The MLS/P+ logging screen will provide fast, real-time logging capability. Drop-down tables, radio buttons, and visual cues will be employed to increase the speed and eliminate all keyed data entry.

Searching & Media Asset Management

MLS/P+ provides extensive searching for all fields in the system. There is keyword, wildcard, empty, non-empty, cross-field search, multikey, cross-reference, and others. All fields, including free-form text, are searchable. The result of a search is an interactive summary screen. The result set can display the timecode for a particular log record. From there, you can access the proxy at that exact timecode. The interac-

tive summary screen can be refined in real time—searches broadened or narrowed, different fields displayed, or creation of varied layouts. The summary screen can be electronically sent, saved, or printed. Each user can define their own summary screen layout.

MLS/P+ is an asset management system for all assets, digital or analog. Upon searching, you will find the proxies and metadata for tapes and/or digital files. MLS/P+ also has features that provide management tools. There are audit and history functions, comprehensive security and permissions tables, global update features, inventory functions, and significant import/export capabilities. MLS/P+ can also be set up with triggers to kick off e-mails or functions based on given criteria.

EDL Manager

The EDL manager within Preview+ allows you to view the library of proxy previews and create a clip list from multiple sub-clips and be able to restore them as a single batch that can be opened directly in the editor for finishing. (This is considered a 'project' within the EDL Manager—users can define their own projects.) A media manager with the appropriate permissions can review the projects that a user has created.

An EDL list created by the "EDL Manager" in Preview+ will be transferred to a conform server to restore media and produce an AAF/EDL that Aurora Edit can open.

NESBIT

SYSTEMS, Inc.

Nesbit Systems Sales:

info@nesbit.com

212-268-2717

Nesbit Systems Technical/Support:

609-397-7720

www.nesbit.com

SALES

Local and regional sales contacts can be found by visiting
www.grassvalley.com/sales

SUPPORT

Local and regional support contacts can be found by visiting
www.grassvalley.com/support