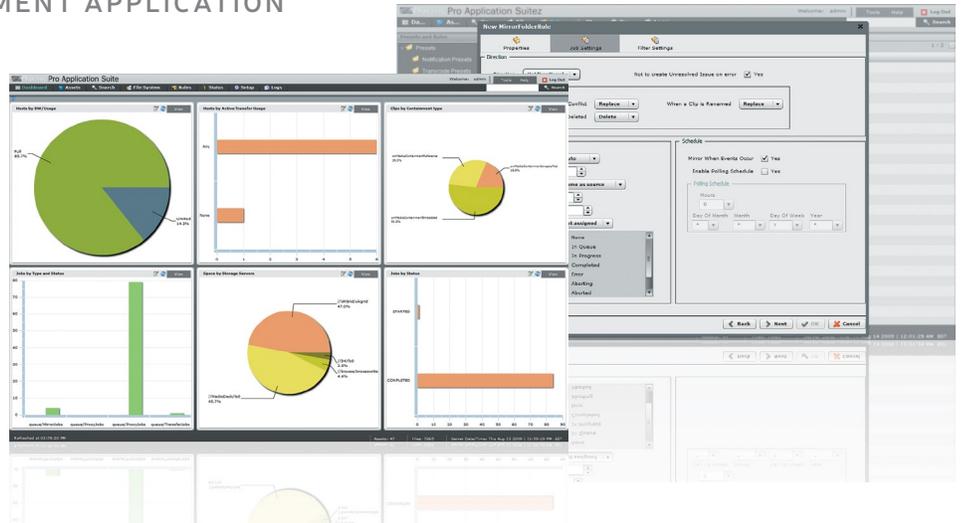# ProXplore™

CLIP AND METADATA MANAGEMENT APPLICATION

Optimize Digital Media Workflows

Media professionals are embracing file-based workflows to enhance productivity and reduce costs. ProXplore™, a web application for clip and metadata management on systems, maximizes the benefits of file-based workflows by supporting multisystem searches, facilitating efficient content movement, and enabling content organization based on physical or user-defined metadata properties. Powered by the Media Application Server, ProXplore enables organizations to manage their digital media workflow, enforce business rules, and streamline the flow of content through the facility.

Manage Valuable Assets Through Metadata

Metadata is key to managing media content in a file-based workflow. ProXplore uses structural and descriptive metadata to enable efficient access to and reuse of existing content, reducing the costs associated with locating or reacquiring material. ProXplore automatically interrogates all managed systems to extract metadata such as format, bit rate, resolution, frame rate and wrapper type, and leverages that data to streamline the organization and location of content. Users can tailor metadata models to their precise requirements, employing unlimited fields and numerous field types for assets, clips, sub-clips, clip sequences, tracks and even individual frames to ensure accurate content organization and consistent search results.
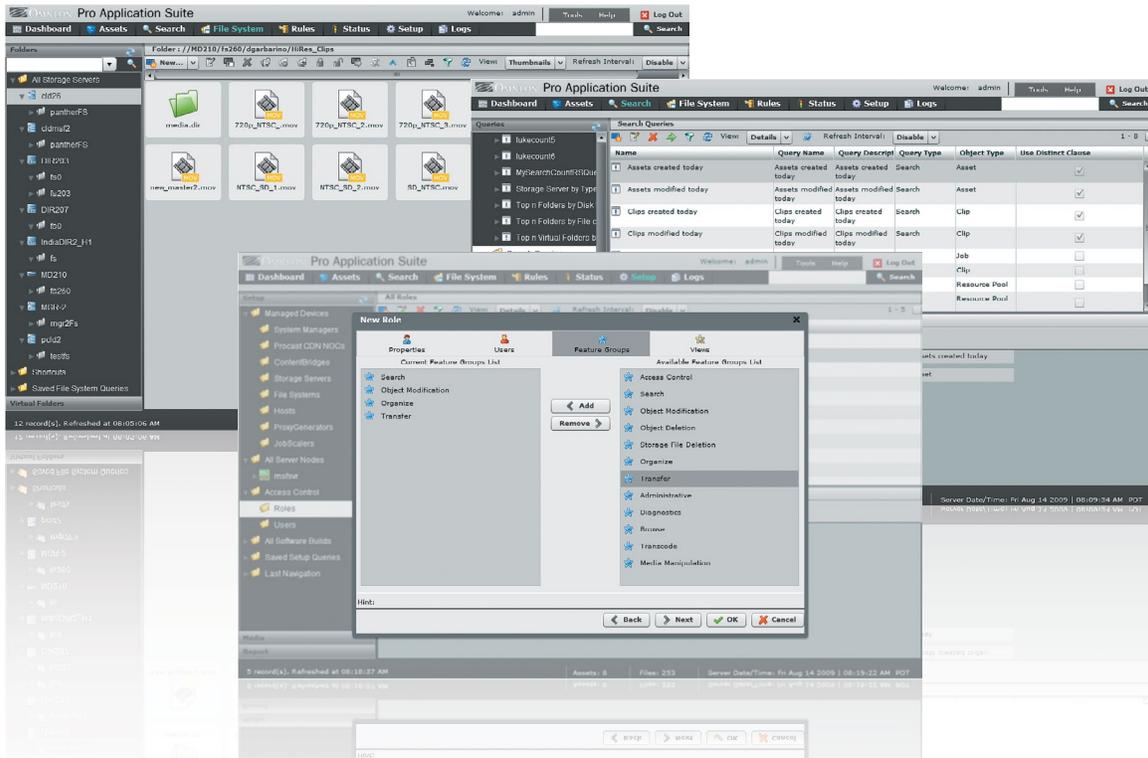
Virtual folders organize content hierarchically or in groupings based on genre, content type, project or workflow stage. Drawing on content stored across the system, virtual folders can be dynamically populated with the result of a saved search to provide content required for a specific user or task. Metadata fields created in relation to virtual folders enable context-specific metadata based on category, ensuring that content organization is unrestricted by a single system-wide metadata model.

Turbo Charge Workflows

Workflow efficiency is optimized by ensuring content is automatically moved to the next step whenever possible. ProXplore monitors files using configurable rules triggered by system activity or time, senses static and growing clips, and intelligently determines the most efficient transfer protocol for each job, even when content is still being acquired or is already being edited. Rules can guide the automatic synchronization of folders, mirroring of multiple systems, transfer of clips, movement or deletion of content, and generation of notifications to users or third-party systems. Rules also can trigger activity according to system timers or event notifications, such as the discovery of a new clip or completion of a transfer.

HIGHLIGHTS

- Secure enterprise-wide visibility of content via a rich web-based interface
- Multisystem searches, content movement, and organization of content based on physical or descriptive properties

- Rules-based direction of content throughout the lifecycle in a consistent, predictable manner
- Coordinated control and execution of media processes

- Integrated with other Harmonic applications for a complete clip management solution

ProXplore can determine the most appropriate type of transfer based on the properties of the clip, the workflow step and the urgency of the transfer. The supporting infrastructure can be configured to ensure timely content transfers and mirroring, and to provide redundancy by load-balancing tasks across available resources. Automatic rewrapping of content during transfers facilitates new workflows, such as automated rewrapping and transfer of content from ingest to edit to transmission.

Improve Speed and Accuracy of System-Wide Searches

ProXplore allows content across Harmonic systems to be searched from a single interface. Searches apply to all object types, including clips, folders, jobs or individual media files, and include count queries for content inventory and user-designed queries using industry-standard SQL. Automatically harvested structural or user-defined metadata can be leveraged for searches and saved for easy reuse. Saved searches optimize other activities throughout the system, whether populating a virtual folder or powering data-driven status widgets—charts, graphs and tables—on the ProXplore dashboard, presenting a customized view of content and activity within the system.

Eliminate Guesswork With System-Wide Reporting and Notifications

Integrating directly into the corporate messaging server, ProXplore keeps users and third-party systems informed of activity within the managed environment. Email event messages are generated automatically based on changes to content, job status, or clip discovery and subsequently routed to specific users or groups. Likewise, XML messages can be delivered to external systems so they can act accordingly. System activity is accessible from a single interface, which allows tracking of any jobs initiated by rules, filtering of job status by type or status, and viewing and re-dispatching of jobs with issues or requiring manual intervention.

Define User Control and Enterprise Access

ProXplore supports the definition of users and their roles, determining exactly which features they may access and which functions they may execute. The Media Application Server ensures that supported web applications, including ProXplore, are readily accessible via standard Web browsers, making them easy to deploy, administer, and upgrade.