



## Collaborative Editing with FilmPartners

It was not long after the advent of non-linear editing when video professionals realized the advantages of file-based workflows. Initial forays into file sharing among editors amounted to little more than “sneaker net”. Eventually, storage devices became fast enough to support a workgroup of editors sharing the same storage system. Omneon pushed beyond simple workgroup storage to create the Omneon MediaGrid, the first truly facility-wide central shared storage system for video production and delivery workflows. The ability of MediaGrid to support a broad array of media applications and its phenomenal performance allows it to serve content to not only video editors but also Ethernet-connected processing and distribution equipment throughout the facility.

As file-based workflows have become more prevalent, media production facilities’ requirements have evolved as well. It is not uncommon to see editors using systems from Avid, Apple and Adobe in the same facility and maintaining separate storage environments for these editors or groups of editors, making it difficult to realize the efficiencies of a shared file-based environment.

# FilmPartners

### SOLUTION OVERVIEW

- Project-based multi-user collaborative editing for MediaGrid eliminates puddles of storage
- Supports Avid, Apple, Adobe and EVS edit systems—simultaneously
- Converts project files among supported platforms; start a project in Final Cut Pro and finish in MediaComposer
- Real time, in-line conversion of MXF OP1a to OP Atom wrapped material for Avid file support
- Multi-tier hierarchical project management with complete control over individual and group permissions
- View and edit content during ingest with automatic timeline updates
- Direct support for media and project archiving environments from MediaGrid without the need for special interfaces or API’s—LTO5 devices supported directly from within MXFserver

### FilmPartners’ MXFserver Integrated with Omneon MediaGrid

FilmPartners started over 30 years ago as a film and video post-production service agency. When faced with the problem of managing a large number of editors working on content across a variety of edit systems and attempting unsuccessfully to satisfy their needs with available shared post-production solutions from the leading NLE vendors, they decided to engineer a solution on their own to meet those needs. Based on their extensive knowledge of video and film post-production and industry standards such as MXF, they created a project and media management system that supports Avid MediaComposer, Apple Final Cut Pro, Adobe Premiere, and other edit applications all at once, which they named MXFserver. This system allows editors to use different platforms, share content in a single storage pool, and work privately or collaboratively on projects. In-line content rewrapping means that Avid editors have access to MXF OP1a material without preprocessing or conversion.

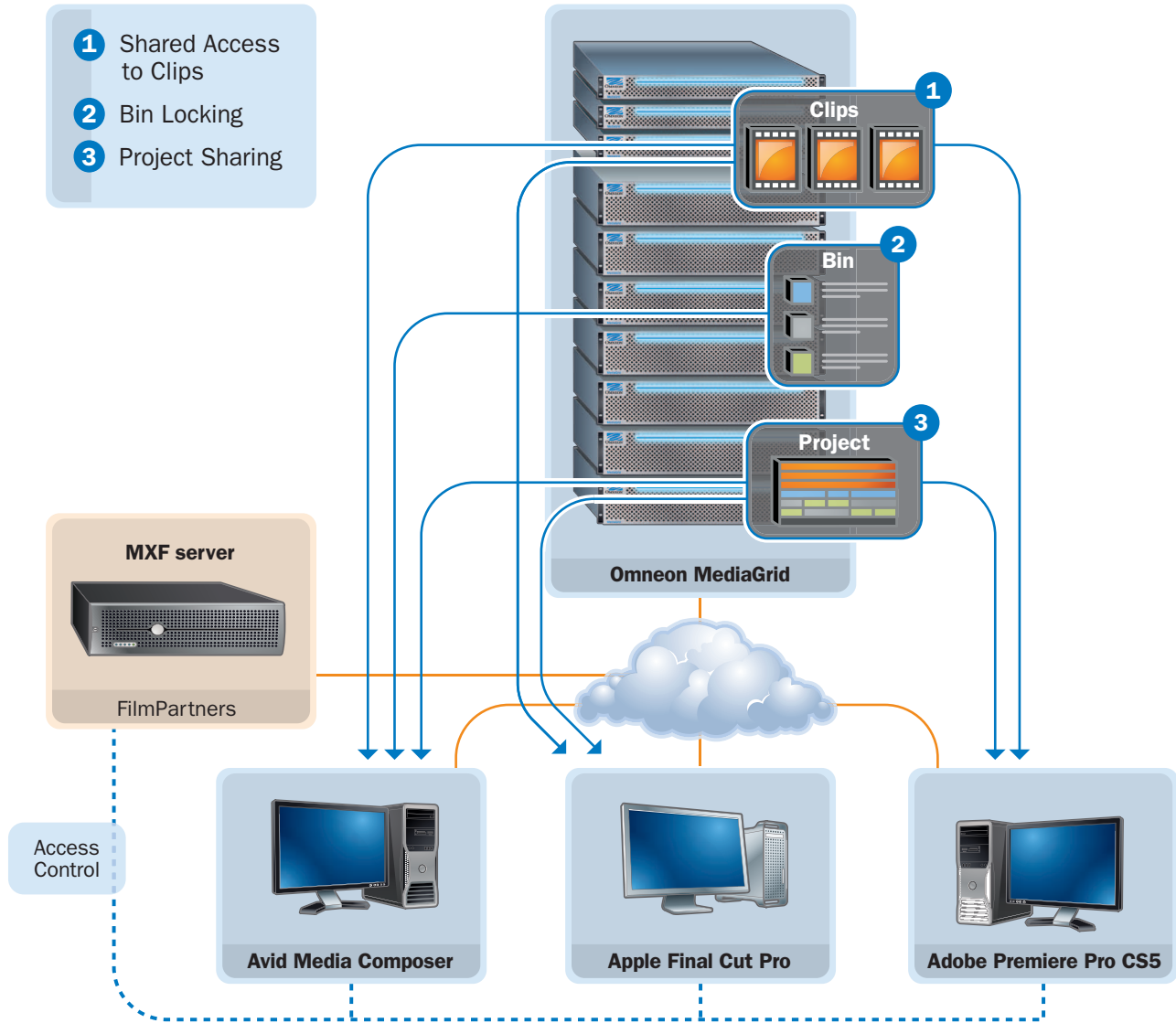
### MediaGrid Plus MXFserver—Greater Than the Sum of the Parts

The unique architecture of the Omneon MediaGrid creates an environment where media applications connect directly to a single storage pool, and users operate on content in-place—without having to make local copies or transfers. FilmPartners has modified MXFserver to take advantage of the MediaGrid architecture to provide a reliable high-performance edit workgroup environment that also serves as the central storage resource for all other workflow activities. Rather than a separate shared storage resource used only by editors, the combination of MediaGrid and MXFserver puts content at the center of the workflow, streamlining and optimizing the process of media production. By separating the management and metadata communications from the delivery of video content, MXFserver is able to provide direct attached SAN-like performance over Ethernet. Even the smallest MediaGrid can support over 40 editors working simultaneously.\* Scaling to larger numbers is simply a matter of adding MediaGrid ContentServer nodes and MXFserver scales at the same time.

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\* Seat count based on Final Cut Pro with XDCAM 50-Mbps content with a cross-fade every second on all systems.

## Workgroup Editing on MediaGrid



Because the Omneon MediaGrid supports direct connections to edit clients, every client gets the best possible performance while MXFserver provides independent views of the file system for each editor. This approach also allows for connections to other processing and delivery systems for complete workflow support.