

Adobe Anywhere for Video and Quantum StorNext Team for Collaborative Workflows

Real-Time Distributed Content Creation and Editing

Adobe® Anywhere for video is a collaborative workflow platform that empowers teams using Adobe professional video tools—including Adobe Premiere® Pro, Prelude®, and After Effects®—to work together with centralized media and assets across virtually any network, regardless of their location. The StorNext® File System and appliances have been qualified for Adobe Anywhere to provide a centralized, high-performance storage pool for collaborative content creation workflows.

DISTRIBUTED ACCESS TO CONTENT

The transition from tape-based to file-based workflows has occurred in many video production environments, making distributed collaborative content workflows the next biggest hurdle. Creative team members in most modern video production environments desire access to content based on their skill sets, regardless of where they geographically reside. Today, truly distributed workflows require high-bandwidth network access across dispersed locations, or shipping physical media back and forth. Adobe Anywhere can use the centralized StorNext shared storage resources to provide a private cloud environment for processing and uploading of video files, and then stream access and control of content to local and remote video professionals. Adobe Anywhere delivers video streams to individual team members that can be shared via standard LAN/WAN networks. For creatives using Adobe Premiere Pro or Prelude, working with the remote media via Adobe Anywhere is just like using media files stored locally, including frame-accurate playback.

ELIMINATE PROXY-BASED WORKFLOWS

Most industry-leading MAM applications have integrated with StorNext to enable proxy-based workflows, allowing editing on low-res proxy files while hi-res mezzanine versions of the content reside in the StorNext-enabled archive. In a proxy workflow, the MAM retrieves the full-resolution content from the archive and final edits are applied only at the end of the creative process. Adobe Anywhere integrates with leading MAM vendors and Quantum StorNext software and appliances to edit original content from a centralized media pool, eliminating the need to work with proxies. Adobe Anywhere nodes provide real-time, dynamic viewing streams of full-resolution Adobe Premiere Pro and Prelude sequences with GPU-accelerated effects to your team members on their individual computers. This saves time and eliminates complexity.

REDUCE THE COST OF EDITING WORKSTATIONS

One of the primary costs of an NLE editing environment is the need for bulky, high-performance workstations to handle the requirements that today's 2K and 4K content editing requires. NLE workstations are often configured with the latest CPUs, Fibre Channel HBAs, and networking NICs. Adobe Anywhere holds the promise to move much of the processing and storage requirements from the workstation to the back-office infrastructure, reducing overall costs.



OPTIMIZED FOR
Adobe® Anywhere

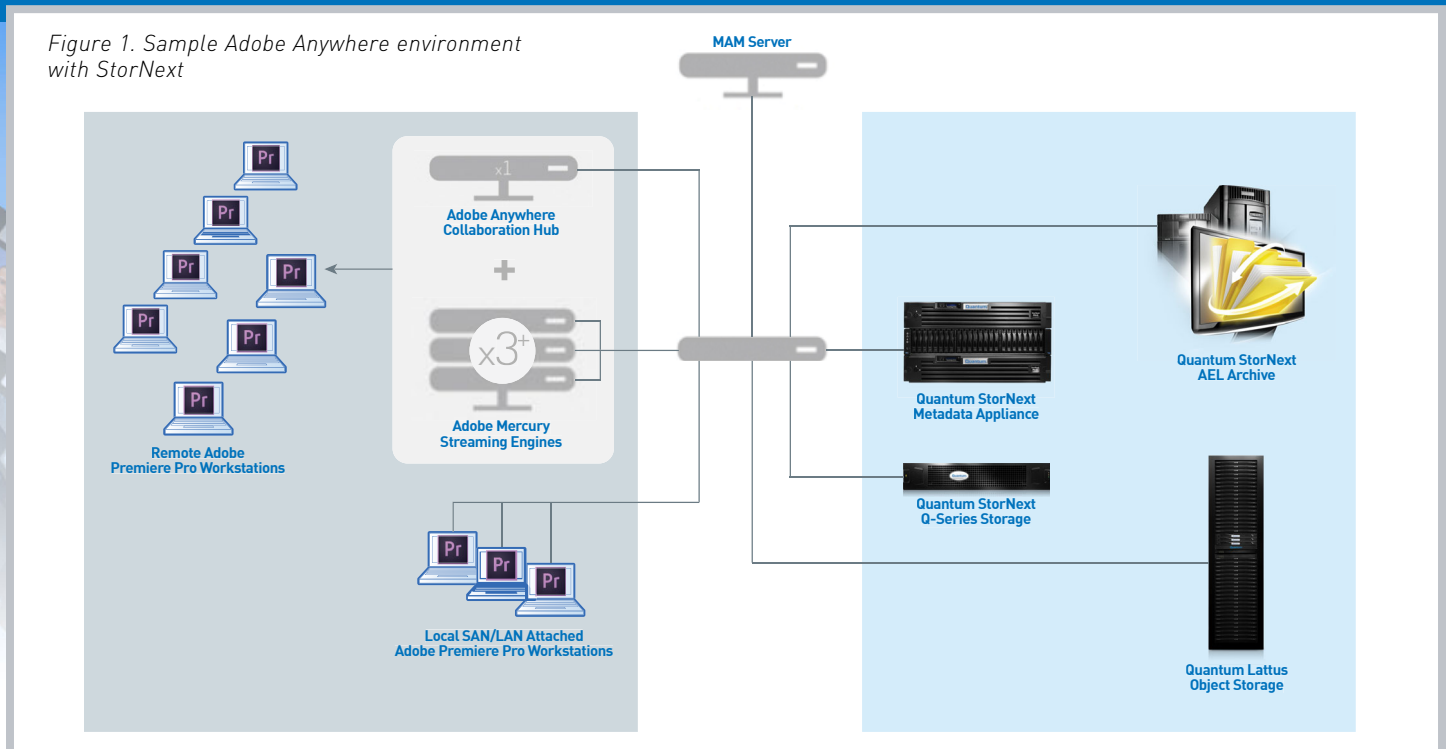
SOLUTION PROFILE

The combined Adobe Anywhere for Video and Quantum StorNext solution is ideal for collaborative workflows for:

- Video post-production
- Video in the enterprise
- Broadcast
- Sports teams
- Houses of worship

can be shared via standard LAN/WAN networks.

Figure 1. Sample Adobe Anywhere environment with StorNext



FLEXIBILITY

Quantum provides a family of StorNext appliances to provide customers with the most options to build out their storage infrastructure. StorNext Metadata Appliances control shared access across the SAN or LAN to the centralized storage. StorNext Q-Series disk provides primary storage tailored for video production workflows. StorNext AEL Archives enable tiered data storage for content, automatically moving and retrieving less-frequently accessed content to lower-cost storage. In addition, Quantum StorNext is available as a software-only product, enabling the use of existing block-based storage from various vendors that video production groups may already have in their possession.

AUTOMATED ARCHIVAL OF VIDEO ASSETS

Adobe Anywhere relies on industry-leading Media Asset Management applications to move assets to archival storage. Quantum's StorNext AEL Archives lower the cost of long-term storage for these assets, providing the ability to archive and retrieve content

through the MAM GUI interface. This means your Anywhere collaborative video production environment can have an added layer of content preservation, allowing you to quickly monetize even your long tail content.

HIGH-THROUGHPUT, LOW-LATENCY SAN AND NAS ACCESS

Unlike other storage solutions, Quantum's StorNext File System provides the option of low-latency clustered SAN access in addition to scale-out NAS connectivity to storage from the Adobe Anywhere compute nodes in the back office. This provides extra throughput and lower latency for those most demanding 2K and 4K workflows that cannot afford dropped frames.

STORNEXT CONFIGURATION TESTED WITH ADOBE ANYWHERE

Quantum has worked with Adobe engineering resources to help Adobe qualify Adobe Anywhere on Quantum StorNext appliances. The Quantum M440 Metadata Controller Server Appliance and media

production-optimized StorNext QX-Series storage are an ideal backbone for Adobe Anywhere implementations.

The base StorNext infrastructure tested by Adobe offers 48TB of raw storage, can seamlessly scale to multiple PB of storage, and can be extended to archive media content to near-line disk, LTO tapes, or object storage when finalized projects don't need to reside on the SAN anymore but still need to be accessible at any time for reuse purposes.

The StorNext environment tested includes:

- StorNext M441D Metadata Controller Appliance
- StorNext QX-1200 base storage array and expansion unit
- Third-party 8GB Fibre Channel and Ethernet Switches
- ATTO Celerity Fibre Channel HBAs for each of the Adobe Anywhere clients in the compute cluster

ABOUT QUANTUM

Quantum is a proven global expert in Data Protection and Big Data management, providing specialized storage solutions for physical, virtual and cloud environments. From small businesses to major enterprises, more than 100,000 customers have trusted Quantum to help maximize the value of their data by protecting and preserving it over its entire lifecycle. With Quantum, customers can Be Certain they're able to adapt in a changing world – keeping more data longer, bridging from today to tomorrow, and reducing costs. See how at www.quantum.com.

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