

Solution Brief

EditShare and NetApp for Avid Editing

Key Benefits

Efficient EditShare Media Workgroups

- Scale-out Ethernet file system for HD and 4K video streaming
- Complete compatibility with Avid Media Composer and ProTools applications
- Media sharing and project sharing (bin locking) for Avid and other editors
- Intuitive management of storage space
- Easy setup of user accounts, groups, and dedicated media spaces
- Active Directory support, including SSO

High-Bandwidth Flash and HDD NetApp E-Series Storage

- Dense capacity when needed: 480TB in 4RU
- Reduced space, power, cooling, and management costs
- DDP resiliency with more consistent throughput than RAID
- Phone home support automatically opens a support case, allowing NetApp to address an issue before it causes any production compromises
- Best-of-class five 9s reliability (six 9s for the SSD models) proven over hundreds of thousands of customer installations

Solution Overview

Support hybrid edit workgroups with cost-effective enterprise-class open storage. No longer do editing facilities need to be locked into expensive application-specific storage. The EditShare EFS file system (EFS) enables Avid, Adobe Premiere Pro, and Apple Final Cut Pro editing platforms to be consolidated onto efficient and cost-effective scalable NetApp® storage. EFS is a redundant scale-out file system that is nonproprietary and therefore doesn't need hidden media indexes and databases.

Why Choose EditShare EFS?

For over a decade, EditShare has delivered highly scalable, shared storage systems that enable media professionals to work collaboratively and deliver outstanding content. EditShare Flow media asset management and Ark archiving solutions, EditShare's media storage and management tools, have increased productivity across broadcast and media enterprises around the globe.

EFS provides a single namespace and supports easy setup of edit projects, creating virtual shares for high-speed simultaneous editing and enabling you to share and merge media without copying or converting.

Why Choose NetApp?

E-Series and EF-Series (all-flash) arrays are fast, highly reliable, and surprisingly cost effective, and they excel at collaborative multilayer editing. For small workgroups and live events, choose an all-flash EF560 or an E5424 chassis exceeding 1.5GBps of video throughput. For large operations, choose the 480TB 6GBps 4RU E5660. Either model can be scaled up or out to provide additional bandwidth and capacity. Both systems can scale out to expansion enclosures to meet any editing challenge, large or small:

- Lower TCO with simplified deployment, administration, and management
- Scale up or out for additional capacity or bandwidth without downtime
- Use world-class global support and installation services
- Reduce space, power, and cooling costs with bandwidth and capacity density

Why Choose Brocade?

The Brocade VDX family of low-latency 10 Gigabit Ethernet (10GbE) switches supports multiple connectivity options, from traditional IP to storage traffic. These switches meet the demand of media data facilities for near-line-rate throughput and low-latency video streaming. They support 1GbE, 10GbE, 40GbE, and 100GbE for optimal flexibility and scale. And these switches are available from NetApp and can be enabled for the NetApp AutoSupport® call-home service.

Basic EditShare and NetApp Solution Configuration

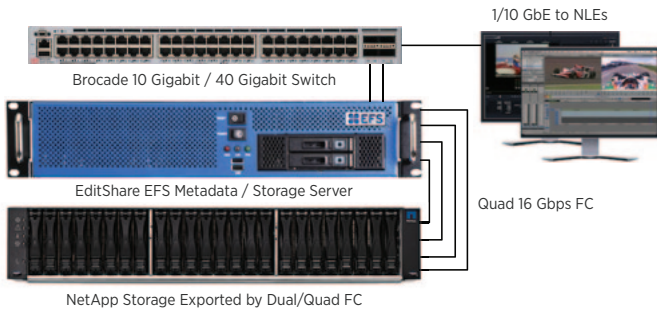


Figure 1) EditShare and NetApp solution configured for a small HD or 4K edit workgroup

NetApp E5660 Configured into Four LUNs

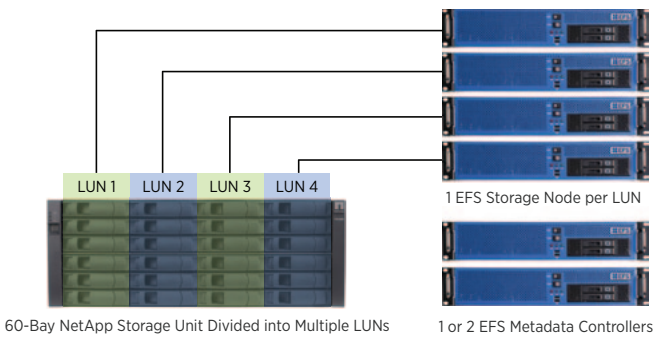


Figure 2) NetApp E5660 configured in EditShare and NetApp solution for larger shared edit environments

Why Choose ATTO?

With over 28 years of experience with network and storage connectivity, ATTO Technology's highly specialized Fibre Channel stack is optimized for demanding high-performance, low-latency environments. ATTO's Gen 5 and Gen 6 16Gb host bus adapters (HBAs) with their Advanced Data Streaming (ADS) technology deliver industry demanding, consistent, and predictable bandwidth for high-performance video applications. ATTO's Multipath Director technology provides load balancing and failover protection in heterogeneous server and workstation operating system environments, providing unparalleled performance for HDDs, as well as SSDs.

Specifications

Software

- ATTO Celerity 8Gb and Gen 5 powered 16Gb HBAs

Network protocol support

- SMB, AFP, NFS, and native file system drivers for near-line-speed bandwidth and lower latency than standard protocols

Complete support for editing systems

- Adobe Premiere Pro and After Effects
- Apple Final Cut Pro 7 and Final Cut Pro X (symbolic and hard links)
- Assimilate Scratch
- Autodesk Flame
- Avid Media Composer
- Avid Newscutter
- Avid ProTools
- Avid Symphony
- BlackMagic Davinci Resolve
- Grass Valley Edius
- EditShare Lightworks

Formats

- DPX, EXR, DNG, RAW
- DNxHD, DNxHR, ProRes, AVCIntra, DVCPROHD

About NetApp

Leading organizations worldwide count on NetApp for software, systems and services to manage and store their data. Customers value our teamwork, expertise and passion for helping them succeed now and into the future.

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