EditShare®

EFS 40NL

Cost-optimized parking storage
for EFS cluster environments

EFS - the world's best shared storage

For over a decade EditShare has delivered high-performance, scalable shared storage solutions that enable media professionals to create outstanding content. EditShare media storage solutions have increased productivity at over 3,500 media enterprises around the globe.

The EFS range from EditShare is an enterprise-grade, storage system that's optimised from the ground up for working with media files. It's fast, completely scalable and virtually immune to data loss through hardware failure. EditShare does the hard stuff under the hood so that creative people can get on with their job, without worrying about data safety, formats or even technical quality control.

Introducing the EFS 40NL

The 40NL is a storage node that's intended for "parking" media that still needs to be accessible almost instantly, but which doesn't need the extreme speed called for in the middle of an online production workflow. It's the ideal product to save material you know you're going to need soon - but not right now. And because of this, it costs significantly less than production-speed storage. And yet it still has all the robustness and reliability of EFS.

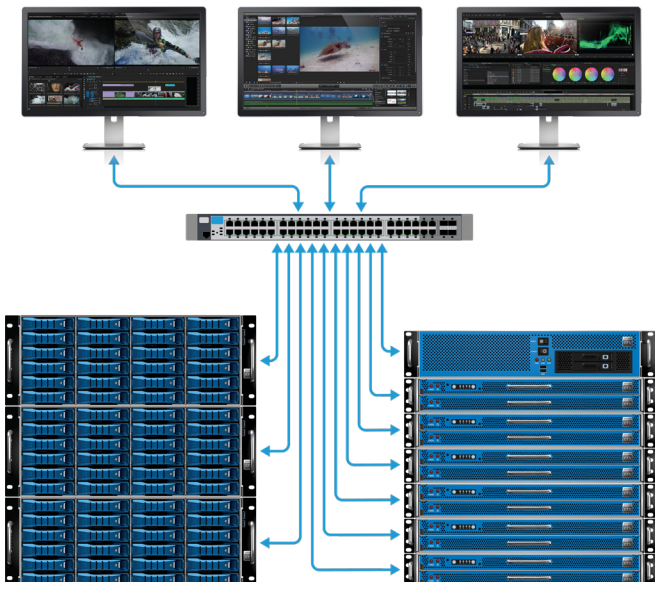
Add EFS 40NL storage nodes to an existing EFS shared storage cluster and move unused media assets and project components to free up your valuable online storage. Doing so takes advantage of the EFS "Storage Node Group" concept which permits users to assign media spaces to a specific set of nodes and define how the files in the media space are protected. What's more, it's easy to use, because EFS 40NL uses the same namespace as EFS Production Storage, which means there are no complicated procedures or routines to move content between systems. You don't even need to import or export. It's all just there - in the same virtual place.

Moving media spaces from one storage node group is as simple as defining a new storage goal (node group and XORn, Copyn* etc.) and the EFS cluster then moves the content in an unobtrusive manner. Furthermore, the 40NL is backed up by a 5 year warranty**.

Independent cluster for disaster recovery

A low cost, fully-independent storage cluster can be created by combining an EFS Metadata server (two or more for high availability) with one or more EFS 40NL storage nodes. Each storage cluster then supports a single namespace that will remain unaffected should a disaster destroy the other. Replicating content is easily accomplished with the EditShare Sync Tool.

EFS 40NL will change the way creative people think about nearline storage. It's a new way to simplify your production lifestyle.



EFS storage cluster with performance-optimized and cost-optimized storage node groups

EFS 40NL Front

EFS 40NL Rear

EFS 40NL Product Information

HARDWARE SPECIFICATION

- Next-generation 4U Chassis with 28” tool-less slide rail and covers
- Motherboard with 6th-generation Intel Skylake microarchitecture
- 16 GB DDR4 - 2400 MHz ECC High Speed RAM
- Mirrored 320GB HDD OS drives, hot-swappable, rear-accessible
- 12Gb/s Hardware RAID Controller and standard RAID 6 protection
- 24 cost-optimized HDDs in 10TB capacity
- Hot-swappable Power Supplies, Fans, Media and OS drives
- 10GbE Network Card

SOFTWARE SPECIFICATION

- Ubuntu 64-bit Operating System
- EFS Native Client driver for Windows, Mac OS and LINUX
- Supports SMB, AFP and FTP protocols

Technical Specifications

TYPICAL PERFORMANCE

Media Space to/from EFS 40NL to other EFS Storage Nodes	20 - 860 MB/s
File Import/Export	600 MB/s

ELECTRICAL

Input Voltage	100-260 VAC
Input Frequency	50/60 Hz
Power Consumption	250W steady state/450W peak

ENVIRONMENTAL

Operating Temperature	0°C (32°F) - 50°C (122°F)
Operating Humidity	5% - 95%, non-condensing
Storage Temperature	-20°C (-4°F) - 60°C (140°F)
Storage Humidity	5% - 95%, non-condensing

RATED STORAGE WORKLOAD

Total Annual Workload	12.1 PB/yr

THERMAL EMISSIONS

Typical Thermal Output	1535 BTU/hr

DIMENSIONS

Width/Height/Depth	483 x 176 x 560 mm 19.0 x 6.9 x 22.0 in

WEIGHTS

Shipping Weight	55 kg / 121 lb
Racked (no HDD)	28 kg / 61.7 lb
Racked (24 HDD installed)	42 kg / 92.5 lb

**XORn and Copyn are two different ways to protect data from the loss of a storage node.*

XORn is the equivalent of RAID 5. XORn divides a data block into n chunks and then generates a companion parity chunk from the value of the data chunks. The n data blocks and the parity block are each stored on a different EFS storage node. XORn requires a minimum of n+1 storage nodes.

Copyn is the equivalent of mirroring. Copyn makes n copies of the original data and stores each copy on a different EFS storage node. Copyn requires a minimum of n storage nodes.

***5 year warranty comes as part of an EditShare support contract only.*

v1.0.3 - All specifications are subject to change at any time without notification.

EditShare®