

Content capture, storage and playback solutions for broadcasting environments

We engineer and deploy storage solutions across the entire broadcast communications industry. Our solutions are designed specifically for customers who require high-performance, highly reliable data storage, archiving and network infrastructure for video/film post-production, broadcast, VFX, VOD, streaming, OTT and other IP-based workflows.

Our products and services

- *Hybrid storage application platforms*
- *Enterprise NAS storage and file servers*
- *Cost-effective metadata controllers*
- *24x7 health monitoring*
- *Archive, business continuity and disaster recovery*
- *FC, Ethernet and iSCSI networking options*
- *Customized extended warranty programs for major OEMs*
- *Refurbished and certified nodes, clusters and switches*
- *Buyback and trade in programs with refresh*
- *Certified asset recycling*
- *Installation and design*



Hybrid storage for broadcasting and multi-site playback

Starz Entertainment is an American premium cable and satellite television network which serves as the flagship property of the Starz Networks cable networks division of Starz Inc. Starz's programming features mainly theatrically released motion pictures and some first-run original television series.

Starz's programming is available to approximately 30.816 million television households in the United States.

The Problem

Starz corporate headquarters had too many storage 'islands' for IT, DR, graphics, video, audio, and general file vault storage. With so many vendors supporting various software and hardware the support requirements were not only expensive but also very difficult to navigate when they had issues. Constant monitoring of throughput, reliability, and capacity demands needed to be managed daily.

The Solution

Our expertise brought instant relief to Starz and was able to bring the same technology into the corporate and DR infrastructure as the creative side. The primary storage platform provided 5 9's uptime, 32 ports of 8Gbit FC, 256GB RAM, upgrade potential to 1000 disks, SSD, 10K, and 7200 large cap drive support, SSD chassis for metadata and databases, and 100,000 IOPS and 12GB /sec sequential bandwidth potential.

More important than hardware was solving the workflow challenges which this accomplished. For the first time Starz was truly able to support up to 10 departments needs for online data storage with the reliability, throughput, and capacity each department needs. The SLI HyperFS file system hosted by Genesis HyperMDC servers in a HA setup provides the reliable, scalable, and support requirements for all creative departments at Starz allowing one SAN software to control PB's of storage. The potential to add Scale-Out NAS to the SAN back end rounds out the benefits Starz was looking for.



Phase One: Graphics

Workflow Tools

- *HyperFS*
- *Adobe, Autodesk, Nuke*

SAN Client Seats

- 68

Phase Two: QA/QC

Workflow Tools

- *HyperFS*
- *Adobe, Autodesk, Nuke*

SAN Client Seats

- 10

Scale-Out NAS Cluster

- 4 Nodes

Support of infrastructure for data protection

WBBM-TV, virtual channel 2 (VHF digital channel 12), is a CBS owned-and-operated television station licensed to Chicago, Illinois, United States. The station is owned by the CBS Television Stations subsidiary of CBS Corporation.

CBS had a 10 year Isilon cluster with legacy OneFS and were exceeding safe usage limits. We quoted two options for a refresh. First we quoted a Genesis solution and a lower priced Gen4 refurbished Isilon solution. CBS did not expect to do anything for 9 months (when budget would be available), but then ran into a hardware failure that put there system at great risk of data loss.

With the new urgency CBS allocated budget and replaced their existing nodes with four X200 refurbished Isilon nodes. We installed and migrated existing data and have since continued to provide 24x7x4hr. support of this production storage.



- *Post warranty support*
- *Replaced legacy cluster with refurbished 4 node X200*
- *Data migration*
- *Time for refresh*
- *Supporting entire 4-node Isilon cluster*

Scale Logic can support these manufacturers

