

Final Cut Studio Solutions

Third-Party integration featuring Quantum



The Solution

Storing, maintaining and protecting digital content has become increasingly difficult as the amount and size of file-based content (both final and raw) increases at an exponential rate. Quantum's StorNext® Storage Manager enables customers to reduce storage costs and protect active and archived content by leveraging the power of tiered storage. Using its iMover technology, StorNext Storage Manager virtualizes multiple classes of storage to create an intelligent archive for storing and protecting data. Final Cut Server is the gateway that will allow data to be moved off production Xsan storage into the StorNext Storage Manager archive. To Final Cut Server, StorNext will look and feel like a "large disk drive" where content can be copied from the production storage to the archive. Files start on disk and are automatically migrated and/or copied to lower-cost disk storage or tape for long-term archiving and content protection. In reverse, users can request content to be retrieved from the StorNext archive back to the production Xsan storage. This provides customers with the ability to archive completed projects, and to create protection copies of projects to prevent data loss during production.

Final Cut Server and StorNext Storage Manager are the building blocks for creating a digital archive of content that is searchable, retrievable and protected for long-term data retention and re-purposing of content. The end result – a solution that provides life-time content management, data protection and new revenue sources from historical content while lowering total storage costs. StorNext combined with Quantum libraries provides an archival solution from an established source with locations and support services worldwide.

Quantum can assist in designing and deploying solutions from entry-level, workgroup environments to highly customized deployments for large, enterprise storage environments.

Primary components

Speed up and simplify your entire workflow

StorNext Storage Manager provides the ability to move older or finished content to a "near-line" digital archive, freeing up the production storage for new projects, while allowing for fast and simplified retrieval of archived content.

Flexibility to change your environment as you need to

StorNext Storage Manager is highly scalable. One can start with just a few TB's of archived content and grow to multiple PB's of storage. Similarly, more servers or storage (tape or disk) can be added without impacting current archived content. With offices and support world-wide, Quantum is a reputable partner that will be with you for the long term.

Reduce storage costs with near-line archiving

StorNext Storage Manager enables you to quickly and efficiently move finished content off of your production Xsan and into a cost-effective storage solution. No longer will you have to worry about running out of production capacity or spending a fortune on storage. By moving older data off the expensive production storage on to more cost-effective storage, you can maintain available storage space for new projects while still having access to archived content through Final Cut Server.

Protect and safeguard valuable content automatically.

Because StorNext Storage Manager can automatically duplicate files to disk or tape storage for onsite and offsite protection, no longer do you need to consider IT centric backup of video data. By combining both archival and data protection into one system, processes are simplified and the risk of data loss from a failed disk array is eliminated. Content protection copies of production projects can also be generated automatically in the background for "in process" data protection.

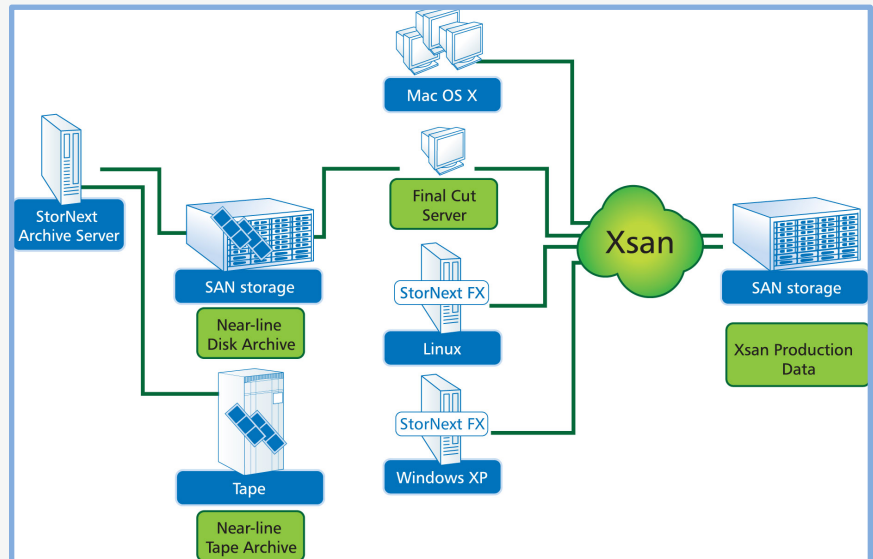
Final Cut Studio Solutions

Third-Party integration featuring Quantum



The Workflow

The combination of Final Cut Server and Quantum's StorNext software offers multiple opportunities to increase the efficiency of workflow operations. With StorNext Storage Manager, you can protect valuable digital assets and control storage costs even as data levels and capacity requirements grow. Leveraging all the StorNext components generates a solution that lets your company be extremely flexible, allowing you to adapt and grow your workflow as needed, without being overwhelmed by storage costs.



Final Cut Server - Near-line Archive Solution with StorNext Storage Manager

StorNext Storage Manager, combined with Final Cut Server (FCS), allows archiving, content management and automated data protection. In this example, a StorNext Storage Manager system is added to create a near-line archival repository. As shown in the figure above, the FCS system is used to move data from the production Xsan storage pool into the StorNext archive pool. FCS communicates with StorNext using either a fibre channel SAN connection like Xsan or NAS/NFS to the StorNext Archive, providing flexibility in the interconnections. This model allows centralized tracking of both active production Xsan content and archive data from a single interface, Final Cut Server. Once data is deposited in the StorNext archive pool, StorNext's iMover transparently migrates data to lower cost disk and/or tape tiers based on policies. For content retrieval, FCS is able to automatically pull data from the StorNext archive and return it to the working storage on Xsan. Data stored within the StorNext archive can be duplicated and sent offsite or placed on a shelf for data protection or long term archiving, providing data protection to your critical content. During active production projects, FCS can be used to make "copies" of projects, thereby providing another level of data production. This assures that if there is a production storage issue, content can be recovered from the copy of the project stored on StorNext Storage Manager.

Quantum®

<http://www.quantum.com>
1650 Technology Drive, suite 800
San Jose, CA, 95110
(408)944-4000
softwareinfo@quantum.com

Quantum's StorNext® data management software enables customers in film production, broadcasting, digital imaging and other content creation businesses to optimize workflow and accelerate revenue generation while minimizing the cost of retaining their valued content. StorNext's unique capabilities allow creative staff to attach almost any application to an Apple Xsan and provide a platform for reducing the cost of retaining short and long term content stores.