Quantum

SOLUTION BRIEF

Quantum StorNext and Dell EqualLogic Storage for Video Applications and Media Solutions

Delivering a high-performance tiered digital workflow

EXPONENTIAL GROWTH OF VIDEO AND MEDIA

Image and video capture is a 24/7 task, generating more raw content than ever before. And while the larger HD and 3D file formats are great for the viewing audience, they cause strain to post production workflows. At the core of this growth is the need to capture and create finished content within an efficient and collaborative workflow. Video Editing workgroups, Surveillance, Physical Security Camera capture, Video on Demand, Digital Forensics and other media applications benefit from the easy to deploy iSCSI SAN storage system and flexible StorNext SAN or NAS client connections.

ANALYZE FASTER AND ARCHIVE AUTOMATICALLY

Quantum StorNext data management software enables more flexible workflows across teams of production staff that need to work on the same original content sources simultaneously. Delivering high-speed shared pools of storage, StorNext enables production teams to capture, edit and repurpose media from SAN or LAN client workstations from a central content repository, eliminating the arduous task of copying and moving files amongst creative teams which consumes storage resources and burdens networks.

StorNext File System enables a broad spectrum of media resolutions to share data over the storage area network (SAN) or local area network (LAN) at speeds much greater than network file system (NFS) or common internet file system (CIFS) protocols. StorNext Storage Manager enables users to set policies to automatically archive older content from high-performance iSCSI storage to lower cost storage, such as SAS or tape libraries while maintaining the integrity of your workflow. This results in more high-performance disk allocated back to the workflow, while raw and finished content is stored and protected economically.

WORKFLOW AND ARCHIVE

Quantum's StorNext software is built for video workflows like content capture, edit and render, content screening, and video surveillance. StorNext enables the ingest of large files from popular video editing workstations or live media feeds, then shares access to the content for repurposing and publishing of finished content at high speed over a single namespace on the SAN or LAN.

StorNext virtualizes the SAN storage, making the file namespace across the various disk and tape tiers transparent to editors, producers and other production staff. Upon ingest, StorNext immediately shares the content with all clients, such as edit bay, color rendering, or graphical effects stations. The StorNext file system can leverage Dell's PowerEdge server platforms for both Linux and Windows operating systems, as well as Mac and UNIX clients to simultaneously connect at high throughput to a single pool of Dell EqualLogic storage arrays.

StorNext Storage Manager seamlessly introduces archiving and tiered storage into your digital workflow, providing transparent, automated movement of content between tiers of storage, including primary and secondary disk (such as FC, iSCSI and SATA-based disk arrays), as well as tape storage. In addition, Storage Manager has the ability to create multiple copies and versions of stored content, thus providing a robust, yet simple data protection solution. Based on user-defined policies, files can be automatically archived to multiple types of storage targets—bulk disk, NAS appliances or tape libraries.

StorNext Storage Manager moves content to the most appropriate tier of storage for your workflow based on policies you set. Archiving and tiering is done while maintaining the integrity of your digital content so that it is always online and accessible regardless of whether is sits on secondary disk or tape storage.

CUSTOMER PROFILE

Dell's EqualLogic storage solutions deliver the benefits of consolidated networked storage in a self-managing, iSCSI storage area network that is affordable and easy to use, regardless of scale. By eliminating complex tasks and enabling fast and flexible storage provisioning, these solutions dramatically reduce the costs of storage acquisition and ongoing operations. The newest iSCSI arrays in the PS Series, the EqualLogic PS6010 and PS6510, add the power of 10GbE technology to the exceptional EqualLogic storage performance of previous generations. They deliver increased bandwidth performance for streaming workloads, editing applications, video analytics and high-volume data backup and data protection. The PS6000 and PS4000 series meet the needs of smaller scale media applications.

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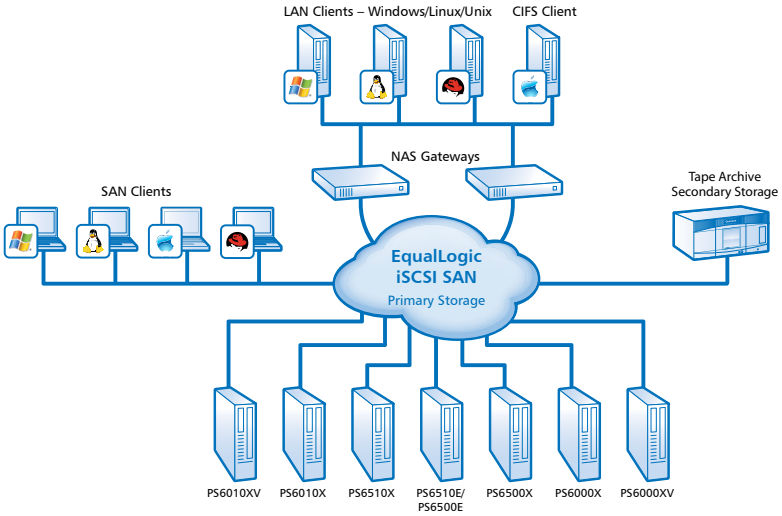
EqualLogic storage solutions easily adapt to a variety of workflow environments, supporting popular video editing applications. EqualLogic provides a dynamically scalable iSCSI SAN storage core that is leveraged with SAN and LAN file system clients to enhance collaboration and productivity of video production applications.

Video systems have evolved into application tuned IT centric solutions. Dell EqualLogic PS6010 / 6510 10Gbit iSCSI SANs provides the high performance needed by video production system accompanied by the worldwide service and support demanded by small and enterprise class deployments alike.

Media production managers face real-world challenges of how to store, share and manage large quantities of digital media assets. EqualLogic and StorNext help eliminate multiple management islands of storage, enabling a consolidated infrastructure with high capacity and scalability that can accommodate the needs of your facility as well as enable future growth.

The ability of StorNext to support both Mac and PC in the same workspace, with both SAN and LAN attached workstations enable tiered bandwidth to the applications as needed. High bandwidth needs for video ingest can be supported with direct SAN connections, while video editors can be either SAN or LAN attached, and media review workstations can be LAN attached and distributed throughout a facility. Users can access the same media without manual file transfers or waiting for source copies to be made.



From uncompressed video ingest to thousands of IP surveillance cameras; StorNext and EqualLogic are enabling media workflows for a wide range of broadcast, post production, education, and content capture environments worldwide.

QUANTUM AND DELL TOGETHER

Quantum and Dell make a powerful team to solve the data challenges of today's video environments. The combination of Dell storage and servers, with Quantum data management and archiving solutions provide scalable, flexible, cost-effective architectures that hold up to the most demanding environments. By minimizing hardware purchases and reducing the need for direct IT involvement in constant provisioning of disk and tape backups, StorNext and Dell can save media application companies both CAPEX and OPEX costs. Together, both companies are able to bring the highest level of expertise in architecting the ultimate data management solution to support your most critical projects.

To contact your local sales office, please visit www.quantum.com

Preserving the World's Most Important Data. Yours.™

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About Quantum

Quantum Corp. (NYSE:QTM) is the leading global storage company specializing in backup, recovery and archive. Combining focused expertise, customer-driven innovation, and platform independence, Quantum provides a comprehensive range of disk, tape, media and software solutions supported by a world-class sales and service organization. This includes the DXi®-Series, the first disk backup solutions to extend the power of data deduplication and replication across the distributed enterprise. As a long-standing and trusted partner, the company works closely with a broad network of resellers, OEMs and other suppliers to meet customers' evolving data protection needs.

SB00045A-v01 Oct 2010