Quantum®

DATASHEET

StorNext®

Accelerate your business.
Preserve your data.

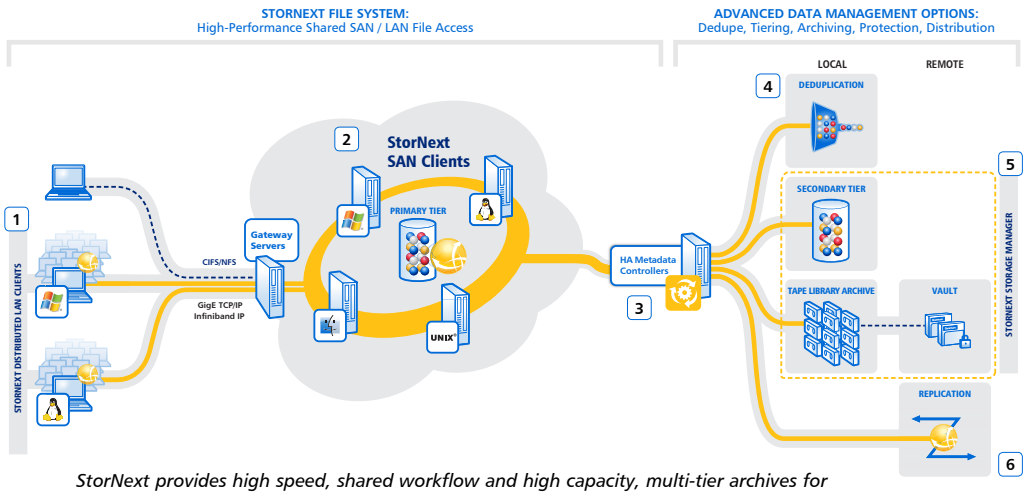
Proven in some of the world's most data intensive industries such as media and entertainment, oil and gas exploration, satellite imaging, government research, and genome research, Quantum StorNext® scale-out storage virtualization software offers you high-performance file sharing as well as enterprise data management and integrated protection and archiving. StorNext offers features such as Replication, File System Deduplication, Distributed Data Movement, Partial File Retrieval, and a streamlined Management Console. Comprised of two core software components, StorNext File System Clients and Storage Manager, StorNext enables you to share, manage, and preserve your business critical information within a high-performance and scalable virtual storage infrastructure.

The StorNext shared SAN file system accelerates business operations by storing information rapidly, then sharing it simultaneously across heterogeneous operating systems and server hardware platforms. Enabling you to virtualize your storage infrastructure into a consolidated shared storage pool of content, including images, media content, analytical data, and other key digital assets, StorNext makes it possible to process and distribute content efficiently throughout a workflow. Supporting heterogeneous environments across Linux, Mac, Unix, and Windows operating systems, all files are easily accessible to all hosts whether on the SAN or LAN.

Over time, cost and performance characteristics of data will change. StorNext Storage Manager enables cost savings and management simplicity with its policy-based tiered storage and archiving capabilities. Data movement is all done transparently, keeping files online and accessible while significantly reducing storage and management costs.

FEATURES AND BENEFITS

- Scale-out storage virtualization
- High-performance data sharing
- Collaboration across Linux, Windows, UNIX, and Mac OSX operating systems
- Massively scalable archive
- Online tiering and archiving
- File System capacity optimization
- Global data protection and data distribution



StorNext provides high speed, shared workflow and high capacity, multi-tier archives for images, rich media, broadcast content, analytic datasets, and other digital assets.

Major Components of the StorNext Solution:

1. **Distributed LAN Clients:** high-performance clustered access over LAN or WAN
2. **SAN Clients:** scalable high-performance shared SAN file system
3. **Meta Data Controller:** acts as the "traffic cop" for shared data access to virtualized consolidated storage pool
4. **Deduplication:** patented variable length block deduplication technology
5. **Storage Manager:** policy-based data mover that automatically and transparently copies or moves data to another tier of storage; lower cost disk and tape SAN storage
6. **Replication:** global data replication for advanced protection and distribution

SAN File System

StorNext File System is a heterogeneous shared file system that allows multiple servers access to a common disk repository regardless of OS type. Nearly all servers—whether they are Windows, Linux, UNIX, and/or Mac OS (via Apple's Xsan)—can run a StorNext client and obtain access to the shared file system.

Distributed Data Mover:

Distributed Data Movers are dedicated conduit for passing data to and from the storage tiers. As the archive becomes more active, you can simply add more movers to scale the system performance. These movers enable you to dynamically scale performance to and from your archive as your data requirements grow.

SUPPORTED PLATFORMS

Host Operating Systems and Client Types	Tape Drives	Tape Libraries
Sun Solaris	HP (LTO)	Quantum
HP-UX	IBM (LTO WORM, 3590, 3592, TS1120)	Dell
IBM AIX	Sun/StorageTek (9840, 9940, T10000)	HP
RedHat EL	DLT-S4	IBM
SuSE ES		Sun/StorageTek
Microsoft Windows		Sony Petasite
Mac OS X*		Qualstar
CentOS		Spectra Logic
Scientific Linux		
Oracle Linux		

**Mac OS X support provided by Apple's Xsan product. Go to www.apple.com/xsan for more information.*
***Note:** Please refer to full Supported Platform list located at www.Quantum.com*

Deduplication

Quantum developed the pioneering technology known as variable-length hash-based data deduplication that has become an industry leading technology in the deduplication market. StorNext Deduplication reduces storage requirements of the file system. Unlike compression, StorNext Deduplication builds its redundancy index based on all the data being deduplicated, not just the file being processed at that moment. It finds redundancies within a file making it extremely efficient at saving storage space.

Replication

StorNext Replication is an asynchronous, host-based replication feature that is highly flexible and configurable. Flexible replication options include multiple protection copies, as well as n-to1 and 1-to-n replication scenarios.

Intelligent replication can also be configured to deduplicate data prior to replication to reduce bandwidth overhead and storage requirements at the remote location.

Distributed LAN Clients (DLC)

DLC enables high-speed access to StorNext data volumes over an IP network through StorNext SAN gateway servers. DLC's IP protocol is designed for higher per-stream performance and resilient communication. This optimized protocol can achieve near-line rate throughputs over standard IP network connections.

Storage Manager

StorNext Storage Manager enables scalable online archiving to address the most aggresive data growth environments and demanding SLAs. Storage Manager is a flexible policy-based data migration engine for storage tiering, and data preservation services. Transparently migrating data to lower cost storage tiers as data ages or is less frequently accessed enables you to align the cost and performance characteristics of your data with that of your storage environment.

Management & Reporting

StorNext provides a robust management console and enhanced reporting capabilities. Built on a web service architecture, StorNext Graphical User Interface (GUI) enables improved usability and monitoring.

For contact and product information, visit quantum.com/stornext, call 800-677-6268 or send an email to softwareinfo@quantum.com

Quantum®

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

About Quantum

Quantum Corp. (NYSE:QTM) is the leading global specialist in backup, recovery, and archive. From small businesses to multinational enterprises, more than 50,000 customers trust Quantum to solve their data protection, retention and management challenges. Quantum's best-of-breed, open systems solutions provide significant storage efficiencies and cost savings while minimizing risk and protecting prior investments. They include three market-leading, highly scalable platforms: DXi®-Series disk-based deduplication and replication systems for fast backup and restore, Scalar® tape automation products for disaster recovery and long-term data retention, and StorNext® data management software for high-performance file sharing and archiving. Quantum Corp., 1650 Technology Drive, Suite 800, San Jose, CA 95110, (408) 944-4000, www.quantum.com.

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