

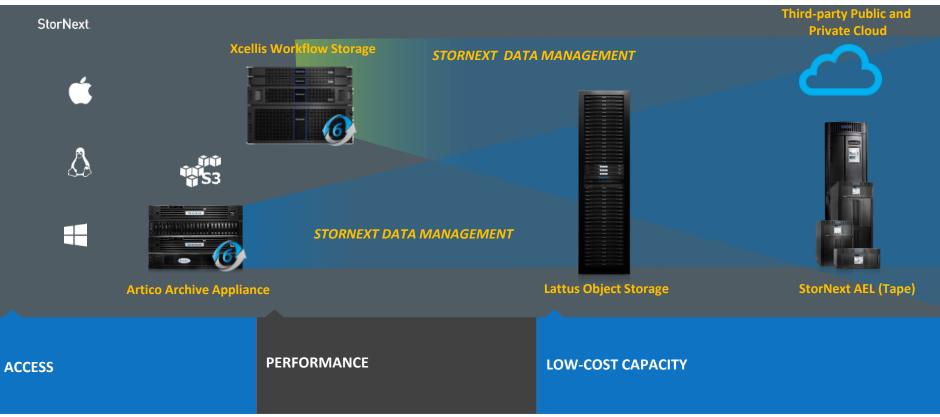
QUANTUM STORNEXT 6

April 2017



StorNext-Powered Scale-out Tiered Storage Portfolio

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StorNext's Rich Media, Unstructured Data Growth Markets [].



StorNext 5.4 (December 2016)

- FlexTier public and private cloud integration options
- Simplified integration of asset/data management and data sharing applications

4K reference architectures (March 2017)

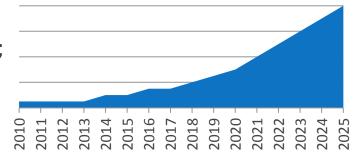
 Different disk and flash configurations based on stream count and compressed/uncompressed files

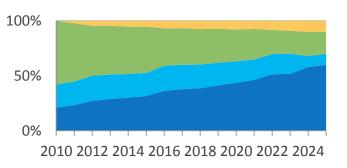
• StorNext 6 (April 17, 2017)

- Significant enhancements delivering unparalleled combination of high performance and advanced data management
- Features specifically designed to improve collaboration, optimize performance and simplify management of large, data-intensive workloads

Unabated Data Growth is Fact of Life

- By 2025, global datasphere will grow to 163ZB; 10X from 2016
- Percentage of data considered critical is increasing, placing performance and capacity pressure on *all* storage tiers
- Enterprises will shoulder bulk of this data avalanche, requiring modern scale-out storage infrastructure and advanced data management





■ Enterprise ■ PC's ■ Entertainment ■ Mobile



Simplifying storage is a top priority

Say that storage systems were complex and highly fragmented



71%

#1

are worried about managing storage costs and maintaining performance requirements as result of data growth

- Tunable performance at drive, array and volume level
 - Examples: cache, i-node, LUN, block size settings
- Highly-optimized metadata performance
- Flexible platform and connectivity support
 - SAN: NAS, InfiniBand, Block over IP
 - Linux, Windows and macOS
- Performance + RAID 6 protection
 - Faster than other RAID 5 implementations and more reliable
- Excellent performance scaling linearity
 - Scale-up or scale-out
- Integrated object, tape and cloud archival
 - Protect high-value content



Multi-site file replication and sharing

- FlexSync[™]
- FlexSpace[™]
- Enhanced StorNext-client functionality
 - Quality of Service (QoS)
 - Client offline archive status/retrieval

Other advanced data management elements

- File copy expiration and selectable retrieve order
- File system auditing



- Synchronized point-in-time file copy from file system to file system
- Fast and efficient synchronization (peer-to-peer)
 - Metadata database enhancements allow for sync without walking source or target file systems
 - Performance scales with file system change rate, not file count (multi-threaded)
- Flexible configuration
 - Powerful scheduler allows for granular automated synchronization
 - Synchronize a single source to multiple targets or vice versa
- Lightweight intuitive GUI
 - "Set and forget" ease of configuration
 - Efficient single button recovery
 - Can also script commands via CLI

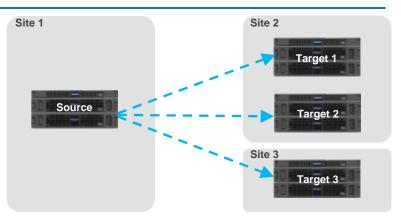
FlexSync™ | Use Cases

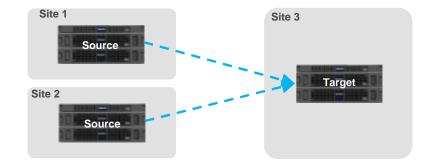
Collaboration

- Create synchronized copies of varied datasets and share across geographically dispersed teams
- Enables fast local access

Data Protection

- Easily create synchronized point-in-time copies on remote systems
- Synchronizations can be scheduled at virtually any interval





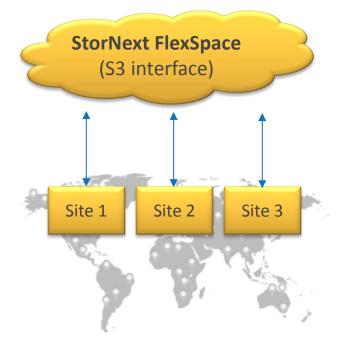
FlexSpace™ Multi-site Shared Archive

Description

- Quantum unique software enables distributed, collaborative workflows, automated or user-initiated
- Uses S3-based object store repositories
 - Built-in support for Lattus
 - FlexTier for public clouds and 3rd-party object storage (private clouds)

Benefits

- Project-based collaboration
- Archive and sharing: multiple sites concurrently sharing (read-only) data



Client-Based Quality of Service (QoS)

Bandwidth throttling

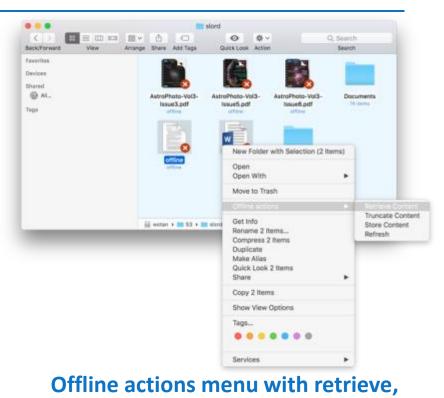
- Specify maximum bandwidth permitted for a client
- Bandwidth reservation
 - Guaranteed bandwidth for a client by limiting all others
- Support for SAN and DLC clients, Linux and Windows
- Web service API support
- Included in StorNext; no additional license required



Client Offline Archive Status/Retrieval

Retrieve online or offline archived files only on explicit request

 Works in folder view and application file/open dialogs



store and truncate menu actions

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Other Management Enhancements

File copy expiration and selectable retrieve order

- Automated copy expiration by tier, reducing need to size destination tiers equivalently
- Administrator-selectable retrieve order

File system auditing

- Provides activity trail of "what, when and who" made successful changes to file metadata and contents of file itself
- Client access: SAN and DLC | Linux, Windows | StorNext NAS
- Included in StorNext; no additional license required





- Extends StorNext environment to enable efficient collaboration on global scale
- Enhances data management to reduce complexity while optimizing performance and capacity
- Public announcement on April 17 (embargoed until then)
- Shipping early summer on all newly purchased Xcellis and Artico systems
 - Available at no additional cost to all StorNext 5 users with active maintenance contract



Quantum.

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