

# Improve Operational and Storage Efficiency of Media Workflows

## with DataFrameworks & Quantum

### MANAGING EXTREME CONTENT GROWTH

With the move to 4K and beyond, the capacity of content generated in media workflows continues to grow, increasing the strain on storage infrastructure, IT staff, and budgets. While the price of storage continues to fall, the cost of managing this complex storage infrastructure continues to increase. Intelligent data management and cost-effective storage solutions from DataFrameworks and Quantum uniquely address the growing problem by reducing both operating and capital expenditure costs associated with managing large amounts of high-resolution content across complex storage networks.

Quantum StorNext® and DataFrameworks ClarityNow! combine to provide the highest performing, most scalable file storage available along with the visibility and insight needed to intelligently manage all the stored content.

StorNext combines the power of a SAN with the ease of access of a NAS environment. This combination delivers unmatched performance, particularly when managing complex file types. The joint solution enables users to easily migrate their files and projects to a StorNext environment and take advantage of better speed, access, and cost management.

### AN END-TO-END SOLUTION

The end-to-end solution provides all four components for operational deployment:

- Tools for content owners to decide what to archive and when to archive
- Robust data movers to get the content to and from the archives
- Comprehensive archive repository to preserve a company's digital assets
- Mechanism for user to locate and recall content from the archive repository

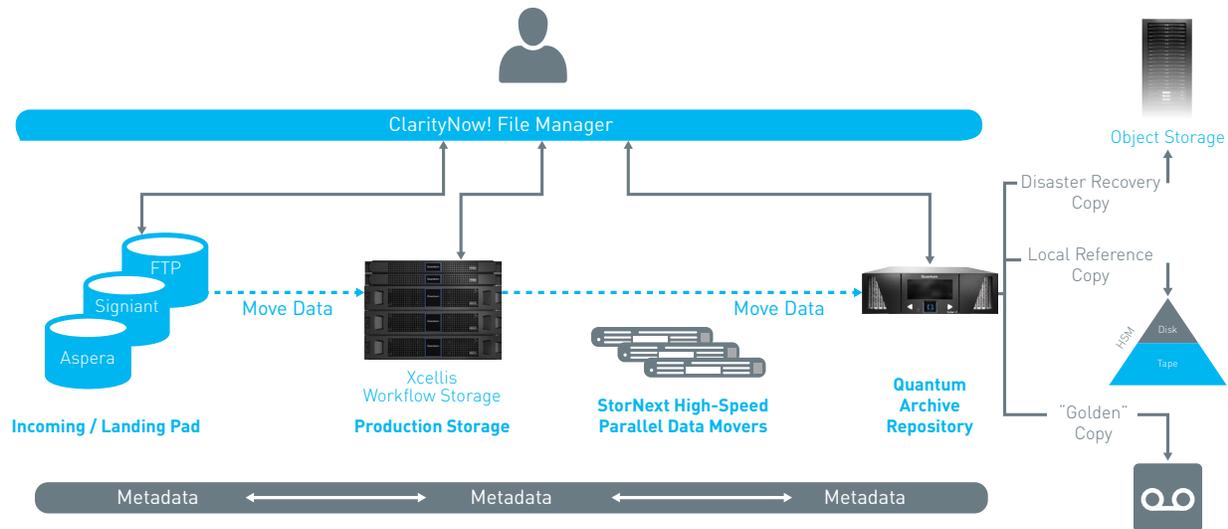
### CHALLENGES

- Increased resolutions, frame rates, and 3D work are exponentially increasing the resource strain on both operational scalability and storage infrastructure.
- Post-production facilities are typically running file-based production line without clear view of their Cost of Goods Sold, which increases both the Operational and Capital budget pressures.
- High data turnover/churn associated with data exacerbate the data management challenges and operational scalability.
- Data Forensics – Studios and the MPAA are requiring detailed procedures to protect their data assets, which increases the need for an audit trail of data movement and deletion. Both entities are also requiring separation between IT infrastructure and production infrastructure.

### RESULTS

- Enable producers, schedulers, customer service representatives, and operations personnel the ability to view and search the Quantum-based archive without a data management or engineering request. Reduced drain on engineering resources to find or archive data for Production users.
- Extend the knowledgebase for key data management decisions beyond Engineering. Operations, producers, or scheduling systems can drive the "what to archive and when to archive" decision, removing the manual process of data managers constantly reminding Production to clean up.
- Enable Operations visibility to do their jobs while still maintaining "separation of church and state." Solution has passed both MPAA and Marvell security audits.

For StorNext Production Environments



### File system visibility and control

ClarityNow provides file system visibility and control for business users to determine what and when to archive. In a large content environment consisting of millions of files and directories, the process of identifying candidates for archive is extremely challenging. The traditional process is to have people manually detect and correlate files with their project, status, schedule, and other business criteria. The typical process consists of checking with the departmental content owners for status or approval to archive, and then implementing the actual file movement. ClarityNow! empowers these departmental content owners, such as producers, operations managers, and production personnel, with self-sufficient responsibility and control of the archive process.

### High-speed data movement

Quantum's integrated high-speed data movers drive parallel data movement to attached archive solutions via

StorNext Storage Manager. When ClarityNow! identifies content that should be archived, StorNext Storage Manager takes those instructions and efficiently places that content in the appropriate archive storage tier either on premise or in the cloud.

### Accommodates environments with multiple file systems

Many large organizations operate multiple file systems, and this makes discovery and management of data even more difficult. ClarityNow! monitors multiple file systems simultaneously and creates a consolidated view of all the files and directories. Users easily find all files related to a single project across multiple StorNext file systems. Projects can be tagged with unique identifiers that allow for even further consolidation and control. Storage Manager migrates all project data to lower-cost tiers of storage without changing access or visibility to project materials.

### Goes far beyond simple "find"

ClarityNow!'s high-speed search goes far beyond simple "find" tools and provides business users with on-demand insight into the entire archive repository, regardless of tier. ClarityNow! plugins for StorNext Storage Manager display the physical location of the asset, additional file information, and even a thumbnail in the case of image files.

### SUMMARY

The combination of Quantum high-performance production storage and archive solutions with DataFrameworks ClarityNow! provides the ultimate file management system with unprecedented data visibility and access for even the most complicated environments. The file system insight delivered by ClarityNow! provides the control users need to protect valuable content, prevent file system sprawl, and maximize valuable infrastructure utilization. Finally, a complete solution that brings intelligence to file management without overthinking it.

#### ABOUT QUANTUM

Quantum is a leading expert in scale-out tiered storage, archive and data protection. The company's StorNext® platform powers modern high-performance workflows, enabling seamless, real-time collaboration and keeping content readily accessible for future use and re-monetization. More than 100,000 customers have trusted Quantum to address their most demanding content workflow needs, including top studios, major broadcasters and cutting-edge content creators. With Quantum, customers have the end-to-end storage platform they need to manage assets from ingest through finishing and into delivery and long-term preservation. See how at [www.quantum.com/customerstories-mediaent](http://www.quantum.com/customerstories-mediaent).

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