THE VIRTUES OF COMBINING LOCALLY MANAGED STORAGE WITH IRODS

Mark Pastor
Director, Archive Solutions
Who Quantum Is
A leading expert in highly scalable storage and data protection focused on the most demanding workflow challenges

What We Do
Enable customers to capture, share and preserve digital assets over their entire lifecycle, creating new opportunities to maximize data’s business value
Customers’ business needs increasingly centered on capturing, sharing, protecting, and maximizing value of their data.

Quantum offers unique and compelling combination of high performance, low cost, and shared access across multiple storage tiers.
Xcellis
Integrated, Automated Performance and Archive Storage

Performance Workload

Engineering
HPC Compute

Xcellis
Integrated Data Protection
Integrated Data Management

Low Cost Capacity

Public Cloud

Object Storage

Disk

Tape

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Xcellis High Performance and Integration Complements iRODS Data Services Environments

- Storage Virtualization
- Data Discovery
- Workflow Automation
- Secure Collaboration

Site A-1
- Organization A
- Xcellis (Powered by StorNext)
  - FlexSync
  - ASL

Site A-2
- Organization A
- Xcellis (Powered by StorNext)

Site B-1
- Organization B
- Xcellis (Powered by StorNext)

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Xcellis Complementary Value

- Optimizes performance and storage cost for local workflows
- Federates storage tiers into a single namespace
  - Cloud, tape, disk, ...
- Maintains access and visibility to all retained data for local workflow
- Leverages local policies to capitalize on the benefits of each storage resource type (e.g. performance, cost, ...)
- Can present multiple name spaces
- Provides file, block and object access with broad connectivity options
  - NFS, SMB, IB, iSCSI, FC, S3
Xcellis as an iRODS Resource

- **Xcellis**
  - Cache and/or Archive resource class, including Direct Access
  - Transparent policy-based tiering to tape (and object/cloud)

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Diagrams and illustrations are not transcribed into text.
Key Considerations for Xcellis with iRODS

- Need high performance for
  - Data capture, Analysis

- Need ease of integration for multiple storage tiers
  - Capture, Analysis, Protection, Active Archive

- Need tape integration
  - Lowest cost storage
Questions?

Thank you!

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