THE VIRTUES OF COMBINING LOCALLY MANAGED STORAGE WITH IRODS

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Quantum

Quantum: Storage for Demanding Workflows

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

Quantum's Scale-Out Storage Portfolio

StorNext
Advanced Data Management

WORKFLOW STORAGE

FLASH & HYBRID FLASH STORAGE

OBJECT STORAGE

CLOUD STORAGE INTEGRATION

TAPE STORAGE

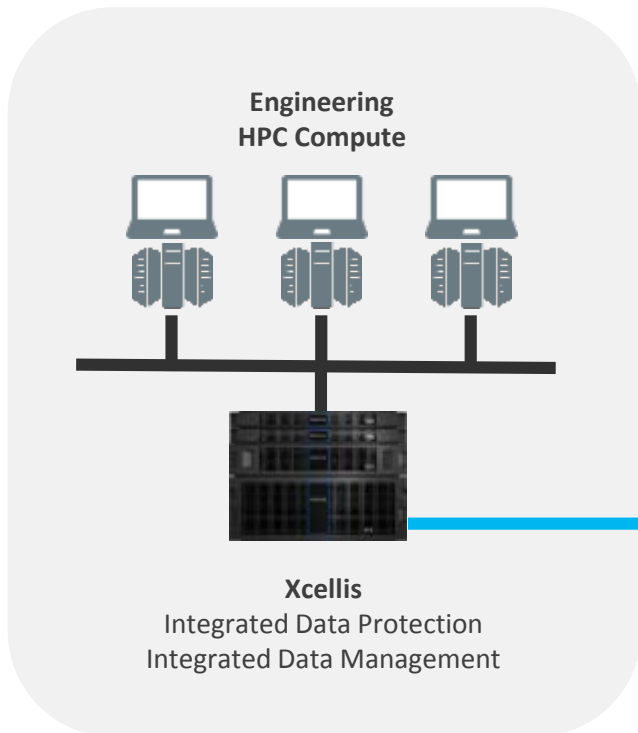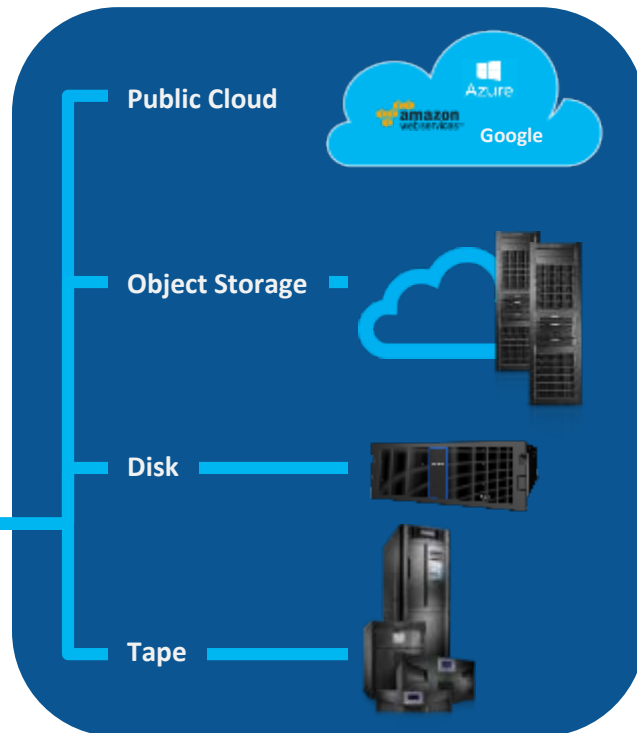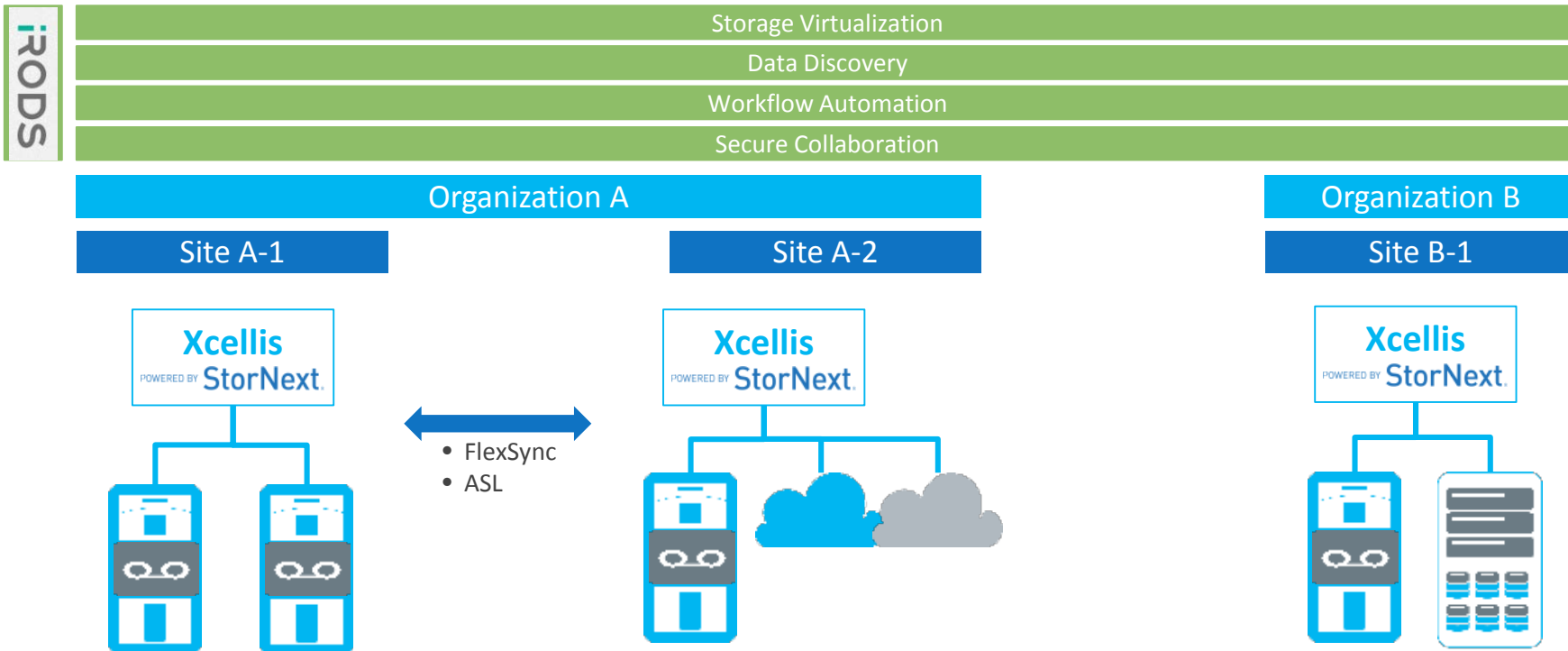| CUSTOMER CHALLENGES	QUANTUM SOLUTIONS
Customers' business needs increasingly centered on capturing, sharing, protecting, and maximizing value of their data	Quantum offers unique and compelling combination of high performance, low cost, and shared access across multiple storage tiers

Xcellis
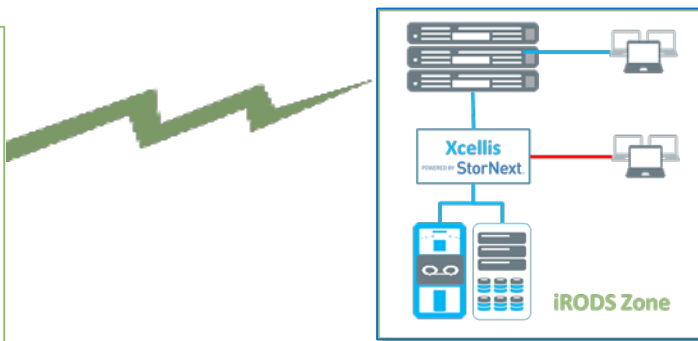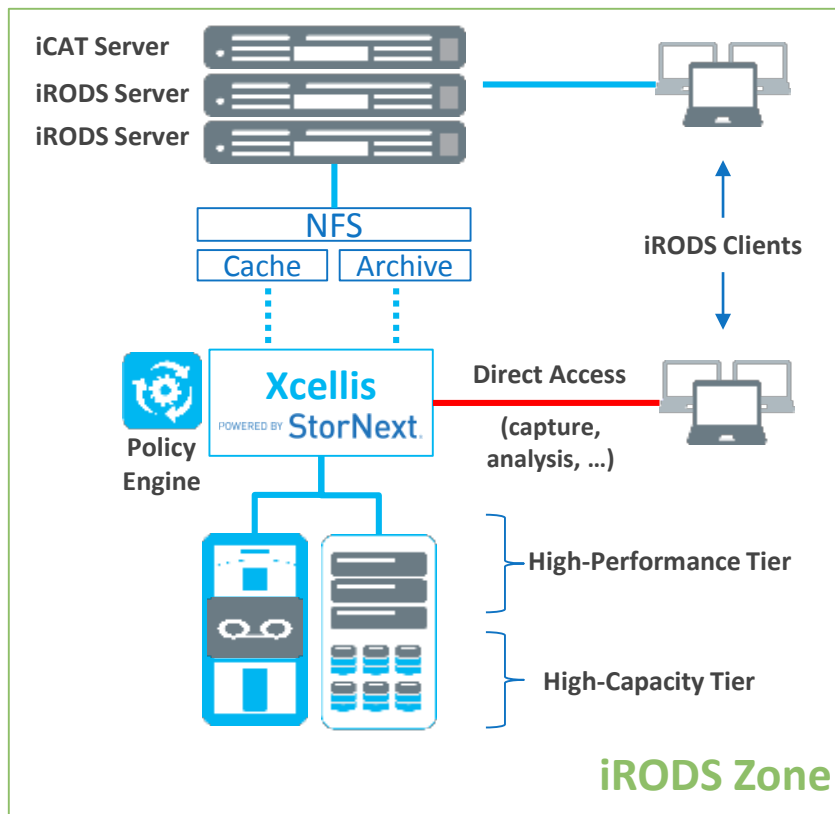# Integrated, Automated Performance and Archive Storage

Performance Workload

Engineering
HPC Compute

Xcellis
Integrated Data Protection
Integrated Data Management

Low Cost Capacity

Public Cloud

Object Storage

Disk

Tape

Xcellis High Performance and Integration Complements iRODS Data Services Environments

Storage Virtualization

Data Discovery

Workflow Automation

Secure Collaboration

Organization A

Organization B

Site A-1

Site A-2

Site B-1

Xcellis POWERED BY **StorNext**

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- FlexSync
- ASL

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
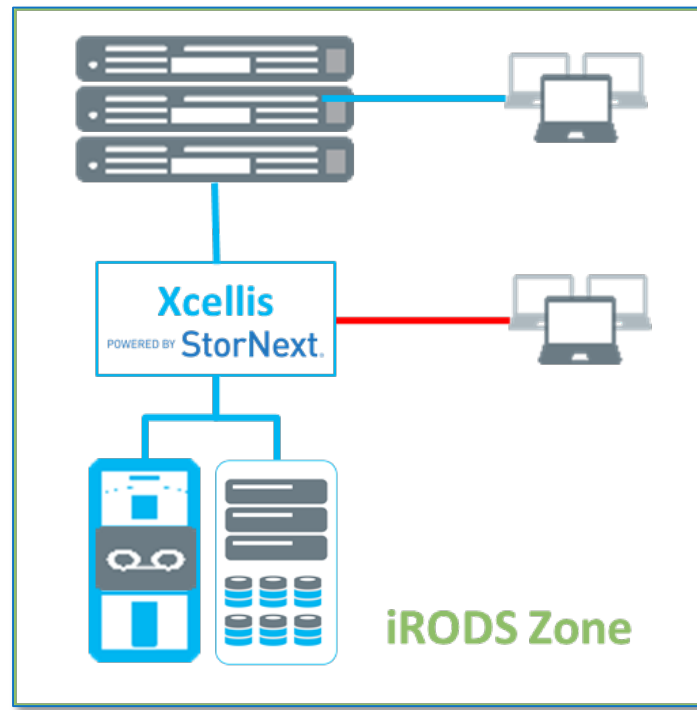 - NFS, SMB, IB, iSCSI, FC, S3

Xcellis as an iRODS Resource

Xcellis

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

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!