Archiving to Objects

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Versity Software

The only independent pure play HSM software company
What we do?

• Versity Storage Manager (VSM)
• High performance archiving
• Open source SAM-QFS HSM technology on Linux
• Focused on moving POSIX files to object storage
Primary Verticals

- HPC and Scientific
- Government and Defense
- Healthcare, Medical, Genomics
- Banking & Finance
- Oil & Gas
- Media & Entertainment
- Data Center / Web
- Video Surveillance

Not just cold storage
Customers

North America

Europe

Middle East

Total Data Managed: 225 PB
HPC Partner
HPC Architecture
Versity Storage Manager (VSM)
VSM Tiering Functions

**Ingest** data from scratch file systems. **Package** files into archive containers. **Archive** automatically from disk cache to archive media based on policies. **Release** archived files from disk cache to free up space. Automatically **Stage** files from archive media back to disk cache when requested, with the option to pre-stage and the option to bypass. **Recycle** removable media by repacking the media.
Why Object Storage?

Archival cost and protection levels without the drawbacks of tape

- Dramatically faster time to first byte
- High performance without FC/IB
- Easier to manage
- Low cost
- Safe & Geo replicated
Why Versity in front of objects

Because object storage is an excellent archival target but enterprise sites are locked in a POSIX world. VSM bridges the gap.
Archiving to Object

S3 Object Release

• Currently running at a Versity site in Houston Texas
• Archiving, staging, and recycling
• 10x faster performance compared to NFS
Archiving Data Rates - Mixed File Sizes

Average 1.8 GB/s
Staging Data Rates - Mixed File Sizes

Average 2.1 GB/s
Why Versity?

- Pure play, software only
- Subscription business model
- No minimum contractual term
- Perpetual ability to read your data - for free
- Open source data format
- Investing in the future!
What’s Next?

- Scale out archiving application
- Scale out POSIX archiving file system
Thank You

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