



keepertechology

“100-year archive” Update

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Hidden Costs of Migration

- Read Carl's LinkedIn Article

Conclusion:
Migration is Infrastructure,
not a One-Time Task

- Our goal this year is to build that Infrastructure.



The Migration Tax: Why Moving 34PB Shouldn't Cost Millions (But Still Does)



Carl Watts ✓

"After years of searching, there is still no cure for Digital Disposophobia"



June 18, 2025



Goals of a 100-Year Archive

- Our goals of what a 100-Year Archive should have:
 - Use proven technology
 - Enable Technology Insertion
 - High durability
 - End-to-end integrity verification for reads and writes
 - Ongoing verification
 - Logging, Reporting, Auditing
 - No Vendor Lock-In

It's Real...



This is what 40 PB looks like.

UNCLASSIFIED

keepertechnology

...and Installed



- 40 PB Useable (Tape)
- 5 PB Cache (Disk)
- 17 GB/s Reads
- 13 GB/s Writes
- 7.5/7.5 GB/s 50/50 Mixed
- 13 Nines Durability

With Room to Grow

- 110 PB Useable (Tape)
- 13 PB Cache (Disk)
- 45 GB/s Reads
- 35 GB/s Writes
- 19/19 GB/s 50/50 Mixed





Thank You