

CASE STUDY · LARGE U.S. SCHOOL DISTRICT · K-12

250 TB protected for 50,000 students, with zero downtime.

A large metropolitan school district replaced decade-old backup infrastructure with datastor.io:  Commvault on  AWS, managed by KELYN. The rollout took 8 weeks, with zero downtime.



250+ TB

of district data protected

90%

shorter backup windows

85%

faster restores for critical data

60%

less IT staff time on backups

BACKGROUND

A district built on digital learning.

The district serves over 50,000 students across dozens of campuses, managing student records, learning management systems, administrative applications and digital curriculum resources, and is committed to modern educational technology with high standards of data security.

THE CHALLENGE

Data growth outpaced a decade-old system.

Legacy backup infrastructure struggling with 250+ TB of critical educational data

Over 50,000 students and staff relying on daily access to digital learning resources

Multiple campuses needing synchronized backup coverage

Limited IT staff managing complex backup operations by hand

No disaster recovery plan to protect against ransomware or natural disasters

Aging hardware causing frequent backup failures and long restores

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THE SOLUTION

datastor.io on Commvault and AWS.

01 Modern data protection Automated backup workflows across all campuses Deduplication reducing storage costs Granular recovery for quick file restores	02 Hybrid cloud architecture On-premises backup appliances for fast local recovery AWS cloud replication for disaster recovery Air-gapped backups against ransomware	03 Comprehensive coverage Student information systems and databases Microsoft 365 and Google Workspace data File servers and network storage	04 Fully managed service 24/7 monitoring by KELYN's team Proactive issue resolution and optimization Regular reporting and compliance documentation
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IMPLEMENTATION

A phased rollout, zero disruption.

01	Assessment and planning. Infrastructure audit, data mapping and solution design.
02	Pilot deployment. Testing with selected campuses and workload types.
03	Full migration. District-wide rollout with 24/7 support.

ONGOING PARTNERSHIP

Beyond the rollout.

Quarterly business reviews
Annual disaster recovery exercises
Ongoing staff training
24/7 support

RESULTS

Faster, cheaper, better protected.

01 Storage optimization Deduplication and compression cut storage requirements by 65%, lowering ongoing costs.	02 Ransomware protection Immutable backups and air-gapped copies give several layers of defense against cyber threats.	03 Rapid recovery Granular recovery lets IT staff restore individual files or entire systems in minutes instead of days.
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“KELYN Technologies transformed our backup infrastructure from a constant source of stress to a reliable, automated system we barely have to think about. When we had to restore data after a hardware failure, what would have taken us 2–3 days was completed in just a few hours.”

DIRECTOR OF TECHNOLOGY · LARGE U.S. SCHOOL DISTRICT