

CASE STUDY: CAS SEVERN SOLUTION IMPROVES BACKUP AND RECOVERY FOR LOYOLA UNIVERSITY

THE SITUATION

Loyola University Maryland is a private, not-for-profit, liberal arts school located in the greater Baltimore metropolitan area. Across its four local campuses, the school serves more than 6,000 students and employs 450 faculty members. The university has experienced a steady five percent growth in student population over the last five years. The school is dedicated to “developing the whole person” inside and outside the classroom and provides

academics, programs, activities and technologies to serve that goal.

Loyola University Maryland has extensive technology services to support the academic, administrative, and social experiences at the university. All of the Loyola campuses are networked to provide access for devices using traditional wired cables or through wireless. Other services include email, computer laboratories, learning management systems, network storage, telecommunications, cable TV, and more.

THE CHALLENGE

As with any growing organization, the university’s data storage needs are constantly increasing. Every email sent, every document created, every report generated, and every student record added result in new data that must be stored. The university’s storage solution was over-utilized, resulting in slow processing times. In addition to the storage challenge, Loyola University Maryland needed to address its backup and recovery policy. They were still using many manual



Higher
Education

CLIENT

Loyola University Maryland

INDUSTRY

Higher Education

CHALLENGES

- Over-utilized storage
- Outdated backup and recovery policy
- Limited staff to perform manual processes

SOLUTION

- IBM® Spectrum Protect™

RESULTS

- Reduced stored data by 60%
- Improved recovery time objective
- More efficient backup process
- Ability to scale up and down

“ We have a 15-year relationship with CAS Severn and we look forward to continuing to evolve our infrastructure with their help. ”

– David Arnett, Associate
Director of Servers and Storage
for Loyola University Maryland



CAS Severn

HEADQUARTERS

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processes to complete backups, which meant the recovery time objective was days instead of minutes. As a not-for-profit institution, budgets and staff are limited – the out-of-date system put a strain on both.

THE SOLUTION

Loyola University Maryland asked its long-term technology partner, CAS Severn, to evaluate the situation and recommend a solution. One of the primary objectives of the assessment is to identify the quantity of data to be stored, how long it needs to be stored, and how is the current process working.

“The assessment is a critical part of our process,” said Joe King, Vice President and Chief Technology Officer for CAS Severn. “We don’t just come in and assume the client needs ‘XYZ’ solution. We understand that every client has unique needs. We ask a lot of hard questions to generate the information we need so that we can solve the problem for our client.”

Based on information from the assessment, CAS Severn recommended IBM® Spectrum Protect™. Spectrum Protect, formerly Tivoli® Storage Manager, is a data protection platform that gives enterprises a single point of control and administration for backup and recovery. It enables reliable, cost effective backups and fast recovery for virtual, physical and cloud environments of all sizes, including virtual machines, file servers, email, databases, enterprise resource planning systems, mainframes and desktops.

With Spectrum Protect, organizations can:

- Improve recovery time and recovery point objectives.
- Reduce backup and recovery infrastructure costs.
- Experience cost and performance improvements for scalability and efficiency of software defined deduplication.
- Control virtual, physical and cloud backup data from a single dashboard.
- Have a complete view of its backup system.
- Increase administrator productivity.
- Scale up or down as workloads flex.

THE RESULTS

As a result of the Spectrum Protect modernization project, Loyola University Maryland has increased functionality, capacity and reliability for its data backup and recovery policies. From a single dashboard, IT staff can manage the university’s storage requirements and ensure all backups are completed as scheduled. The university’s recovery time objective has been reduced. Now, if an outage occurs, Loyola can have an immediate restore of data. In addition, the automated replication processes and dashboard control have generated savings through improved staff efficiency and a higher performing system. The deduplication feature of Spectrum Protect has reduced the university’s stored data by 60 percent. Spectrum Protect is flexible and allows the university to scale up and down as data requirements change.

