

Power Research and Growth with a Modern Data Platform

Everpure for higher education

The problem

Higher education institutions face significant storage challenges driven by the rapid proliferation of data needed to run their campus operations and educational programs. Such data includes research, financial records, student records, applicant information, and more. Compound these challenges with data silos and fragmentation, the skyrocketing costs of legacy tech, and managing all of these resources with staffing shortages, and the burden becomes overwhelming. On top of all of that, the cyber threat landscape isn't slowing down anytime soon, with ransomware attacks against schools, colleges, and universities on the rise.

International Data Corporation (IDC) research indicates that higher education data storage is evolving rapidly, driven by digital transformation, the shift to cloud platforms, the need to support AI workloads, and stringent data privacy regulations.² Yet many institutions are still constrained by legacy storage infrastructure. At least 59% of higher education tech leaders say that limited capacity for storage and management is the biggest challenge they face for maintaining their on-premises assets.³

If higher education institutions want to stay competitive, accelerate research outcomes, empower student and faculty success, and ensure academic continuity in the face of rising cyber threats, they must be able to store, govern, and manage all of their data efficiently and cost-effectively.

The solution

To move beyond today's constraints, higher education institutions need a modern data management and storage platform that is scalable, simple to manage, and fast. Altogether, this can help drive exceptional student experiences, quality of learning, and speed to innovative research, as well as modernize infrastructure. As AI initiatives grow and data spreads across multiple locations, storage must deliver predictable performance and latency, simplify day-to-day operations, and support cyber-resilient continuity. In practice, that means choosing a platform that brings together performance at scale, built-in cyber resilience, predictable cost management, and AI readiness.

Everpure™ provides an efficient, reliable, and agile data storage platform that helps higher education organizations accelerate learning initiatives, AI readiness, and adoption at scale. Our platform delivers cost savings for all of your data needs to improve cyber resilience, maximize operational efficiency, and drive educational innovation. The [Enterprise Data Cloud](#) takes our platform further, enabling a modern architecture that unifies all data into a single, intelligent cloud. It automates management across every environment, giving IT leaders full control of data—not just the infrastructure beneath it. With built-in security and policy-driven governance, the Enterprise Data Cloud turns storage into a strategic advantage, helping higher education organizations move faster, reduce risk, and stay ready for the scale and intelligence of AI-driven academic initiatives.



A proven leader

Everpure™ (formerly Pure Storage®) is a Leader in the 2025 Gartner® Magic Quadrant™ for Primary Storage Platforms, positioned highest in Execution and furthest in Vision.¹



Accelerate performance and ROI

Speed innovation with a platform built for AI and reduce TCO with flexible scaling and lower upfront costs.



Secure storage

Deploy data infrastructure with cyber resilience built in.



Performance at scale

Higher education institutions are under pressure to drive cost and operational efficiencies across both physical and digital campuses. With the Everpure Unified Data Plane, they can simplify how data is stored, governed, and delivered to applications—on premises and in the cloud—all through a consistent experience. The Everpure Platform provides scalable, low-latency performance for education-specific applications and AI workloads on a single, modern data foundation, enabling continuous learning and uninterrupted student services. IT teams can replace manual operations with policy-driven automation across the entire data estate, leveraging the Everpure Intelligent Control Plane for data management.

Built-in cyber resilience

Ransomware attacks continue to pose a significant threat to the education sector, with attacks against schools, colleges, and universities rising 23% year over year.⁴ The impact is not just financial—it disrupts learning and campus operations and puts students, faculty, and research data at risk.

With the Everpure Platform, cyber resilience is not an add-on; it's built into the core architecture. For higher education institutions, that means strengthening cybersecurity and accelerating recovery with:

- **Built-in security:** A cyber-resilient architecture starts with enterprise-grade identity and access management (IAM), trusted platform module (TPM) and Unified Extensible Firmware Interface (UEFI) secure boot, and bring your own key (BYOK) encryption options. Together, these capabilities strengthen the foundation to protect student information, research data, and critical campus systems from today's threats.
- **Connected threat detection:** Even with strong perimeter defenses such as firewalls, attackers can bypass traditional controls and go straight for the data. With ransomware attacks against education institutions on the rise, storage can't be passive. It must be an active part of your defense, integrating with security analytics to detect suspicious behavior at the data layer and help contain attacks before they disrupt teaching, enrollment, or learning management systems.
- **Dynamic response and recovery:** Detection matters, but it's only part of the fight. The real cost of an attack is downtime and lost instructional and research time. And there's no one-size-fits-all approach. Dynamic response and recovery policies are essential to automatically orchestrate protection, isolation, and restore workflows. By combining built-in security capabilities and connected threat detection with automated recovery, institutions can bring learning, student services, and research systems back online quickly and consistently, in line with specific risk and compliance requirements.

Learn more about the steps you can take to safeguard data by reading our blogs on building [a new cyber resilience foundation](#).

Cost management

Educators and administrators utilize and rely on data to provide quality learning environments and student services. Our data storage platform helps improve education application performance by providing fast access to critical administrative and academic functions while streamlining operations and safeguarding student data. With our platform, institutions can:

- **Reduce storage costs:** Drive operational and cost efficiencies across your institution to reduce the total cost of ownership (TCO).
- **Accommodate future growth:** Streamline workflows and easily scale to support enrollment spikes, new programs, and expanding research data sets.
- **Save IT time:** Reduce the workload on IT teams so staff can focus on strategic initiatives instead of day-to-day maintenance.
- **Ensure cost predictability:** The Evergreen® storage subscription model eliminates disruptive refresh cycles and delivers seamless, rapid upgrades and expansion without downtime. Evergreen//One™ delivers industry-leading SLAs with built-in enterprise security and 99.9999% uptime without additional licensing fees.
- **Support grant-funded research:** Many labs and research centers rely on grant-based funding cycles. By aligning storage consumption with project timelines and usage instead of large, upfront hardware purchases, institutions can more easily map storage costs to grants and keep funded research on track.
- **Maximize budget impact:** The Evergreen portfolio can help education institutions meet budget and sustainability goals, with up to 85% less energy consumption than competitive all-flash systems. By avoiding overprovisioning and leveraging a consumption-based model, combined with some of the industry's densest flash, institutions can reduce hardware spend and redirect savings to teaching, research, and student support.

AI readiness

According to a 2025 EDUCAUSE survey, 57% of higher education institutions now consider AI a strategic priority.⁵ Adapting to these priorities and new technologies can be a daunting challenge for staff and educators. Leverage our higher education solutions to accelerate AI initiatives, advance innovation, and automate administrative and planning processes. These solutions provide:

- **AI-driven outcomes:** Empower educators to personalize learning environments; advance research; and automate grading, curriculum design, and lesson planning while streamlining administrative tasks like admissions and scheduling.
- **Fast access to data:** Support AI workloads and expedite access to institution data to analyze trends, track performance, and make better-informed decisions about academic programs, finances, and student success.
- **Hybrid-cloud readiness:** Higher education institutions are increasingly moving applications and workloads to the cloud to achieve better scalability and agility than on-premises solutions can offer. However, concerns remain about public cloud costs (especially data retrieval/ egress fees) and security, leading many to adopt hybrid strategies that balance on-premises and cloud storage. The Everpure Platform creates a seamless, cloud-like data storage and management experience from on premises to the cloud, delivering consistent control, scalability, flexibility, and performance.
- **Enhanced AI insights and workflows:** Everpure [Data Stream](#) Services help accelerate data readiness for enterprise AI initiatives as a GPU-centric, AI-powered, integrated hardware and software stack. It is a core component of the [Everpure AI data platform](#), built for enterprise inference use cases on the [NVIDIA AI Data Platform](#) reference design. Higher education institutions can use this combination to speed up research workflows and transform video surveillance data into actionable insights for campus safety.

A data management platform at the top of its class

Step beyond the constraints of legacy infrastructure with the Everpure modern data management platform—the foundation your institution needs to secure academic continuity, accelerate research breakthroughs, and scale the future of AI-driven learning.

Additional resources

- Learn how Everpure can help [scale your storage needs](#).
- Read about how you can [strengthen your cyber resilience](#).

1 | This includes five years as a Leader in the Gartner® Magic Quadrant™ for Solid-State Arrays and now six years as a Leader in the Gartner® Magic Quadrant™ for Primary Storage. GARTNER is a registered trademark and service mark of Gartner, Inc. and/or its affiliates in the U.S. and internationally, and is used herein with permission. All rights reserved.

2 | <https://www.idc.com/promo/enterprise-storage-systems/#:~:text=Respondents%20to%20the%20IDC%20Future,the%20market%20up%20next%20year.>

3 | 2024. EdTech. Higher Ed Institutions Want Increased Storage Options, Survey Shows. 2024 CDS Cloud Computing Research. Report. <https://edtechmagazine.com/higher/article/2024/10/higher-ed-institutions-want-increased-storage-options-survey-shows#:~:text=Report%20Shows%20Flexible%20Storage%20Options,from%20using%20the%20public%20cloud.>

4 | 2025. Higher Ed Dive Brief. Ransomware attacks in education jump 23% year over year. <https://www.highereddive.com/news/ransomware-attacks-education-jump-23-percent-h1-2025/754011/>

5 | <https://www.govtech.com/education/higher-ed/survey-higher-ed-ai-adoption-faces-financial-policy-hurdles>

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