Nutanix helps education institutions accelerate IT with transformative tech

Nutanix helps K-12 and higher education institutions accelerate IT with transformative technology

KEY BENEFITS

The simple solution for education infrastructure:

- Reduce TCO - save on power, cooling, and space costs

- Single pane of management for the entire server and storage infrastructure

- Hypervisor-agnostic solution

- Single infrastructure to run mixed workloads

- Start small and scale as your needs grow

Educational institutions are eager to embrace improved learning pathways which can present significant challenges for legacy IT infrastructure. New trends such as distance learning, educational portals, statewide testing, BYOD, virtualization, learning applications and instructional videos are creating new models of teaching and learning, and require requisite support by campus IT systems.

IT infrastructure needs to be more adaptable than ever to address these trends under tighter budgets and with limited IT resources while aligning to standards such as Common Core State Standards and Smarter Balanced Assessment Consortium.

THE ENTERPRISE CLOUD PLATFORM OF CHOICE BUILT FOR THE CLOUD ERA

Nutanix Enterprise Cloud Platform is the industry's leading hyperconverged infrastructure solution that natively converges compute, virtualization and storage into a resilient, software-defined solution with rich machine intelligence. Nutanix delivers cost savings and predictable scalability for even the most intensive workloads with a simple scale-out architecture. The advanced architecture of the Nutanix platform enables high availability across all system components to an unlimited number of simultaneous users.

THE IDEAL PLATFORM TO ADDRESS ALL K-12 AND HIGHER EDUCATION NEEDS

From VDI and Desktop-as-a-Service workloads to Exchange Mailboxes to administrative tools like Infinite Campus and Pearson Education products, Nutanix provides the flexibility to run multiple applications on a single infrastructure. This eliminates the need for expensive, dedicated resources per application, while satisfying electronic information protection regimes. Some of the applications supported on the Nutanix Enterprise Cloud Platform, but not limited to include:

"Nutanix is enabling us to keep up with our fast growth rate with a very small IT team. This would not have been possible if we hadn't migrated to Nutanix and AHV."

– Cary Tschirhart, Manager and ISO, Information Technology Services, Texas A&M University System

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Messaging and Unified Communications Applications such as Avaya Unified Communications, Microsoft Lync, Financial ERP Applications such as Munis, SAP, Oracle, and NetSuite. LMS Applications such as Desire2Learn, Blackboard, Jenzabar, Canvas, and Angel.

Feature	IT Benefit	Business Benefit
Integrated Compute & Storage	• Simplified management • Web-Scale architecture enables linear scalability	• Lower total operating costs • Lower capital expenditures • Fewer hardware and software license requirements for greater cost efficiencies
100% Software Defined	• Agility and Flexibility • Drastically simplify management	• Leverage commodity hardware • No vendor lock-in
Redundant Data Storage/Replication	• More resilient data backup and disaster recovery • Meets most aggressive RTOs (Recovery Time Objectives) • Addresses virtually any RPO (Recovery Point Objective)	• Minimal down-time • Business continuity
Reduced Footprint	• More efficient rack utilization • Simplified management	• Reduced demand on Facilities • Lower power and cooling expenses
Multi-hypervisor Support	• Ease of management • VMware ESXi, Microsoft Hyper-V and Nutanix AHV supported	• Ecosystem of proven standards-based products and solutions • Potential to eliminate virtualization licensing costs

Figure 1 - IT and Business Benefits of the Nutanix Enterprise Cloud

SIMPLIFIED MANAGEMENT WITH INTELLIGENT AUTOMATION

Nutanix Prism is the ideal end-to-end consumer-grade management solution for the educational institutions bringing unprecedented simplicity by combining various aspects of administration and reporting. Powered by advanced machine learning technology, Prism can mine large volumes of system data to automate common tasks and generate actionable insights for optimizing virtualization, infrastructure management and everyday operations. New resources to support research and curricula projects can provisioned and deployed in minutes instead of weeks or months.

Nutanix Prism manages the entire stack, from the storage and compute infrastructure to virtual machines (VMs), with a one-interface. Powered by advanced data analytics and heuristics, Prism simplifies and streamlines common workflows within a datacenter, eliminating the need for disparate management solutions.

LOW COSTS TO START, LOWER COSTS TO RUN

The modular building-block design of Nutanix Enterprise Cloud Platform enables educational institutions to start with small deployments and grow incrementally into very large installations. The platform's ease of configuration lets you roll out as budgets permit—by campus, by department, or by grade.

Nutanix reduces business disruption costs. Non-disruptive upgrades and all-inclusive software remove numerous points of failure, reducing the need for maintenance and the likelihood of outages. An IDC study of Nutanix customers showed that unplanned downtime decreased by 99.7% and planned downtime decreased by 100% when customers moved from traditional datacenter infrastructure to Nutanix Enterprise Cloud Platform. Implementations are performed in hours, not days. The appliance's small footprint yields lower cooling and power costs.
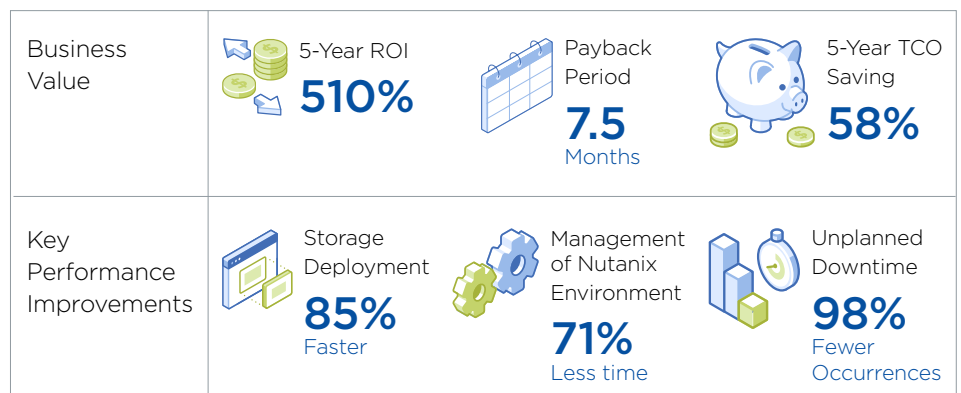
Business Value	5-Year ROI **510%**	Payback Period **7.5** Months	5-Year TCO Saving **58%**
Key Performance Improvements	Storage Deployment **85%** Faster	Management of Nutanix Environment **71%** Less time	Unplanned Downtime **98%** Fewer Occurrences

Figure 2 - IDC Compares TCO and ROI of Nutanix vs Traditional Infrastructure

RUN ON THE HYPERVISOR OF YOUR CHOICE

Nutanix supports all popular hypervisors, so that IT can manage the datacenter with the tools of their choice. All Nutanix solutions include AHV virtualization—delivering a high-performance, license-free hypervisor with built-in management., providing the capabilities that K-12 and higher education need. AHV helps simplify the datacenter stack as hypervisors move to become another feature like deduplication and compression in the new hybrid cloud world.

READY TO TRANSFORM?

Nutanix is ready to help you transform your datacenter, your IT operations, and your institution, giving you the freedom to invent. To learn more, contact Nutanix at info@nutanix.com, follow us on Twitter @nutanix, or visit nutanix.com/try to try it free.

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