

# Education Solution Brief

## 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 needs grow

## NUTANIX HELPS K-12 AND HIGHER EDUCATION INSTITUTIONS ACCELERATE IT WITH TRANSFORMATIVE TECHNOLOGY

Educational institutions are increasingly facing new challenges with their legacy IT infrastructure. New trends such as online learning, educational portals, statewide testing, BYOD, virtualization, learning applications and instructional videos are creating new models of teaching and learning.

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 workloads to Exchange Mailboxes to administrative tools like InfiniteCampus 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:

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



## CUSTOMERS



THE TEXAS A&M  
UNIVERSITY SYSTEM



University of Hamburg,  
Germany



Guilsborough School  
Academy Trust  
*Striving for Excellence*



Akron Public  
Schools.



WILLIAM JESSUP  
UNIVERSITY

| FEATURE                                       | IT BENEFIT  | BUSINESS BENEFIT  |
|---|---|---|
| <b>Integrated Compute &amp; Storage</b>       | <ul style="list-style-type: none"> <li>Simplified management</li> <li>Web-Scale architecture enables linear scalability</li> </ul>  | <ul style="list-style-type: none"> <li>Lower total operating costs</li> <li>Lower capital expenditures</li> <li>Fewer hardware and software license requirements for greater cost efficiencies</li> </ul> |
| <b>Solid-state Memory Booth &amp; storage</b> | <ul style="list-style-type: none"> <li>Highest performance responsiveness</li> <li>Faster refresh of desktops</li> </ul>  | <ul style="list-style-type: none"> <li>Faster log-ins</li> <li>Higher ROI</li> </ul>  |
| <b>Redundant Data Storage/replication</b>     | <ul style="list-style-type: none"> <li>More resilient data backup and disaster recovery</li> <li>Meets most aggressive RTOs (Recovery Time Objectives)</li> <li>Addresses virtually any RPO (Recovery Point Objective)</li> </ul> | <ul style="list-style-type: none"> <li>Minimal down-time</li> <li>Business continuity</li> </ul>  |
| <b>Small Hardware Footprint</b>               | <ul style="list-style-type: none"> <li>More efficient rack utilization</li> <li>Simplified management</li> </ul>  | <ul style="list-style-type: none"> <li>Reduced demand on Facilities</li> <li>Lower power and cooling expenses</li> </ul>  |
| <b>Multi-hypervisor Support</b>               | <ul style="list-style-type: none"> <li>Ease of management</li> <li>VMware ESXi, Microsoft Hyper-V and Nutanix AHV supported</li> </ul>  | <ul style="list-style-type: none"> <li>Ecosystem of proven standards-based products and solutions</li> </ul>  |

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

## ONE-CLICK INFRASTRUCTURE AND VIRTUAL ENVIRONMENT MANAGEMENT

Nutanix Prism is the ideal end-to-end consumer-grade management solution for educational institutions bringing unprecedented simplicity by combining several 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.

Nutanix Prism manages the entire stack, from the storage and compute infrastructure all the way up to virtual machines (VMs), with a single click of a button. 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.

**NUTANIX**  
Your Enterprise Cloud Platform

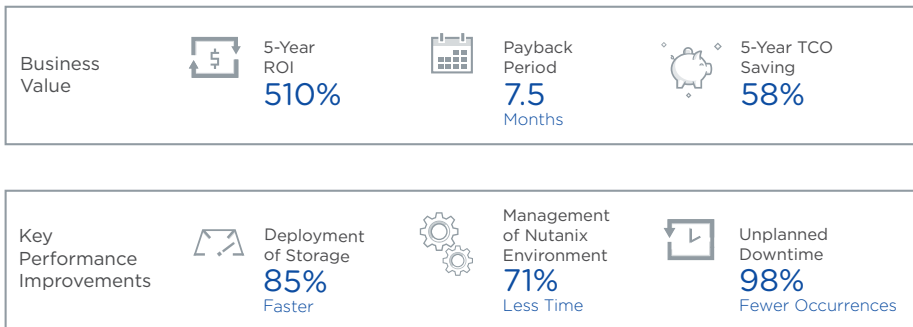


Figure 2 - IDC Compares TCO and ROI of Nutanix vs Traditional Infrastructure

### RUN ON THE HYPERVISOR OF YOUR CHOICE

The Nutanix Enterprise Cloud solution includes Nutanix AHV, an integrated virtualization solution, at no additional cost, providing the virtualization capabilities that K-12 and higher education applications rely on and need. AHV helps simplify the datacenter stack as hypervisors move to become another feature like deduplication and compression in the new hybrid cloud world. Nutanix Enterprise Cloud Platform is also validated and integrates with VMware vSphere and Microsoft Hyper-V virtualization solutions, offering IT a better experience.

**Get in touch with us to learn how Nutanix can deliver simplicity and scalability to your IT infrastructure**

**“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

Nutanix makes infrastructure invisible, elevating IT to focus on the applications and services that power their business. The Nutanix enterprise cloud platform leverages web-scale engineering and consumer-grade design to natively converge compute, virtualization and storage into a resilient, software-defined solution with rich machine intelligence. The result is predictable performance, cloud-like infrastructure consumption, robust security, and seamless application mobility for a broad range of enterprise applications. Learn more at [www.nutanix.com](http://www.nutanix.com) or follow us on Twitter [@nutanix](https://twitter.com/nutanix).

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