**Hewlett Packard
Enterprise**

A NEW GENERATION OF AI-DRIVEN HYPERCONVERGED INFRASTRUCTURE (HCI) TO ADVANCE OUR FUTURE GENERATION

Intelligent HCI to bolster remote learning, streamline IT, and safeguard student data in K-12 schools

HPE SimpliVity for K-12

An intelligent, hyperconverged platform that streamlines IT operations by combining IT infrastructure, advanced data services, and AI-driven operations into a single, integrated solution, featuring:

Advanced data services

- Built-in resiliency, backup, and disaster recovery for data protection
- Always-on deduplication and compression for reduced capacity utilization by up to 10X—guaranteed[1]

Flexible federation strategy

- Scale up to 16 nodes/cluster and 96 nodes/federation
- Mix clusters within the same federation

Simple, intelligent management

- Global, VM-centric management and mobility
- Artificial intelligence by HPE InfoSight

Today's K-12 schools are facing increased pressure to respond to shifting demands brought on by a confluence of factors. On the one hand, ransomware has become a pervasive threat with bad actors becoming more sophisticated, destructive, and inescapable. In fact, the FBI has issued an alert to schools warning of an increase in ransomware attacks leveraging Remote Desktop Protocol vulnerabilities.[2]

Meanwhile, the coronavirus pandemic has forced most schools to transition a large percentage of their classes to online learning. The demand for seamless virtual environments has gone from a nice to have to a necessity practically overnight, with students, teachers, parents and administrators needing secure and reliable access to school resources—at any time, from any device, and from any location.

Today's economic uncertainties have also resulted in districts asking IT to do more with less. The need for solutions that help

streamline operations, safeguard sensitive data and maximize cost efficiencies has never been so great—nor has there been such a demand for innovative remote and blended learning experiences that help bridge the divide across such a diverse population of learners.

HPE SIMPLIVITY FOR K-12

HPE SimpliVity for K-12 schools addresses all of these challenges at the same time by setting a new standard for hyperconverged infrastructure. The beauty of HPE SimpliVity is its simplicity.

HPE SimpliVity has always been about simplifying the software-defined IT experience by streamlining IT operations, enabling virtual machine (VM) management and mobility, and providing built-in data efficiency and data protection.

We're now entering a new era for hyperconverged infrastructure—one that shifts the focus from software-defined infrastructure to AI-driven operations.

[1] HPE SimpliVity Hyperguarantee. bit.ly/3f6Ymbb

[2] FBI alerts on ransomware threat to schools, June 24, 2020. https://politi.co/2OshmFs

HPE SimpliVity 325

- Highly dense, 1U, single AMD processor node with high core count
- Low TCO
- Full HPE SimpliVity functionality
- Half the cost per virtual desktop and double the desktop density versus competitors[3]

Other models and options available.

HPE SimpliVity HyperGuarantee[1]

- **HyperEfficient**—Achieve 90% capacity savings
- **HyperProtected**—Backups in under a minute
- **HyperSimple**—Full VM control in a few clicks
- **HyperManageable**—Quickly manage 1000s of VMs
- **HyperAvailable**—No downtime or disruptions

[3] HPE data analysis, December 2019: The average percentage of cases auto-opened and auto-closed with solution provided for calendar year 2019 was 86.9%.

[4] HPE internal testing, April 2020. psnow.ext.hpe.com/doc/a00049648enw

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With groundbreaking capabilities and the introduction of HPE InfoSight for HPE SimpliVity, HCI has risen to a new level of performance. One that is key to creating a secure, intelligent foundation for your remote and blended learning environments.

Simplified, intelligent data protection

Mitigate data loss, collapse the stack, and remove silos with built-in backup, resiliency, and disaster recovery (DR). HPE SimpliVity is integrated and automated, and stores data as read only, so a ransomware attack can't overwrite your data. If ransomware takes down a VM, we guarantee recovery in sixty seconds or less for up to 1 TB.[1]

Remote learning redefined

The benefits of HPE SimpliVity make it a perfect fit for today's remote and blended learning environments. Always-on inline deduplication and compression mean that our virtual desktop infrastructure (VDI) is exceptionally quick and cost-efficient—perfect for equipping our future leaders with the applications and learning tools they need to excel, wherever they may be. Meet the increased capacity demands of your remote students and teachers by rapidly deploying and scaling hyperconverged building blocks. Likewise, deploy and update virtualized workloads quickly and easily across your entire environment, without disruption to learning or teaching.

Global unified management

With HPE SimpliVity, management is intelligently simple. Centrally manage data center and edge computing resources from a single interface, including global federations, infrastructure, hypervisor, and data protection. Backup, restore, or clone a VM with as little as three clicks or update backup policies for thousands of VMs across multiple sites using the intuitive and familiar VMware vCenter®.

Also simplify lifecycle management with orchestrated, one-click software, hypervisor, and firmware upgrades.

Global intelligence

HPE InfoSight uses telemetry and machine learning to equip HPE SimpliVity environments with the ability to predict and prevent infrastructure problems before they happen. Features include system details at the federation, cluster, and node level, predictive analytics for insights into capacity consumption and predictions to full, proactive wellness alerts to alleviate support. With HPE InfoSight, 86 percent of problems are diagnosed before you become aware of an issue.[4]

AN ALL-IN-ONE SYSTEM

The HPE SimpliVity portfolio intelligently simplifies IT by combining AI, infrastructure, and advanced data services for virtualized workloads—into one, simple solution. Based on HPE ProLiant or Apollo servers, this fully integrated, all-HPE solution, engineered and optimized for HPE HCI. Delivered in single, high value building blocks, start small and scale to 16 nodes per cluster/96 nodes per federation and for large ROBO environments, 48 clusters per federation. For multi-campus deployments, 16-node stretch clusters are available.

GET STARTED

HPE SimpliVity is cost-effective, secure, and easy to manage making it an ideal choice to support students and teachers, whether in the classroom or remote. Relieve the risks of ransomware and hackers even as more devices and data flood the edge, all while providing lightning-fast VDI in a smaller server footprint. Everything you need is built in.

Contact us to find out more about how HPE SimpliVity for K–12 can help you prepare your school for the new challenges and opportunities of today while equipping your students with the tools needed to thrive as they progress through their educational journey.

LEARN MORE AT

hpe.com/simplivity

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