Solution brief

HCI without compromise

HPE SimpliVity

HPE SimpliVity

An all-in-one hyperconverged solution that streamlines IT operations by combining IT infrastructure, advanced data services, and AI-driven operations into a single, integrated solution

GreenLake

— GreenLake Private Cloud Business Edition with HPE SimpliVity support enables simplified VM management across on-prem and public clouds.

— Provides data availability

— Delivers unified management

— Scales on demand

Operational support services

— Increases IT efficiency, reliability, and performance with global technology services

— Helps you manage day-to-day IT operational tasks

— Frees up your staff to focus on business priorities

— Offers two different service levels to suit your needs: HPE Complete Care Service and HPE Tech Care Service

A new standard for HCI

IT is increasingly looking to streamline operations, unlock agility, and do more with less. Hyperconverged infrastructure (HCI) brings an experience that makes it simple to deploy, manage, and upgrade infrastructure. But while acceptable for general-purpose apps, traditional HCI comes with compromises including higher costs, lack of built-in data protection, and poor data efficiency across multiple sites. How can you get the hyperconverged experience without the traditional HCI compromises?

HPE SimpliVity is an efficient, all-in-one, HCI solution that reduces complexity and lowers overhead by simplifying operations from edge to core. Ideal for general-purpose, edge, and VDI workloads, its infrastructure and advanced data services are efficiently packed into a single, scalable building block, allowing customers to start small and grow.

With simple management, two-node high availability (HA), built-in data protection, and hyper data efficiency across all edge sites and data centers, HPE SimpliVity simplifies and collapses the IT stack and reduces the total cost of ownership.

All-in-one solution

This all-in-one, intelligent HCI solution simplifies deployment, scaling, management, and troubleshooting with software-defined infrastructure, unified management, policy-based automation, and artificial intelligence (AI).

Rapid deployment and zero-downtime refresh cycles

— Rapidly deploy and scale hyperconverged building blocks to meet changing demands

— Deploy virtualized workloads quickly and easily across your entire environment

— Start small and flexibly scale by nondisruptively adding modular systems to meet business needs

Global unified management

— Manage global federations, infrastructure, hypervisor, and data protection from the intuitive and familiar VMware vCenter® and GreenLake

— Streamline operations with policy-based, virtual machine (VM)-centric management

— Easily move or clone VMs between global sites

— Set up role-based access to search for and restore crash-consistent backups

Global intelligence with HPE InfoSight

— Telemetry and machine learning diagnose infrastructure problems before they happen

— Predicts when cluster capacity will be full within 90 days and provides insight into top consumers

— Displays multisite view of all VMs and backups complete with efficiency savings

— Provides insights into hardware and software issues with recommendations for corrective action

— Provides automated wellness alerts and signature detection to alleviate support issues and reduce operational expenses

Two-node high availability

For continuous operations, HPE SimpliVity achieves high availability with only two nodes—saving you money and space

— Save costs due to fewer appliances and reduced data center footprint

— Meet service-level agreements (SLAs) with protection against multiple failures

— Supports two simultaneous drive failures without business impact

— Help ensure uptime across multiple sites with stretched clustering and dual disk resiliency

Built-in data protection

Built-in data protection, resiliency, and disaster recovery (DR) keep data safe and mitigate loss from edge to core.

— Run VM backups anytime, anywhere

— Back up and restore a 1TB VM in 60 seconds or less[1]

— Achieve secure, cost-effective backups directly to public cloud through HPE Cloud Bank Storage

— Reduce complexity, cost, and risk with native integration to HPE StoreOnce, an on-premises, secondary backup solution that supports data immutability for added data protection

— Mitigate ransomware with HPE SimpliVity RapidDR for off-site disaster recovery

[1] HPE SimpliVity HyperGuarantee

HyperEfficient

The importance of data efficiency can't be overstated. HPE SimpliVity technology deduplicates, compresses, and optimizes all global data at inception, across all edge sites and data centers.

— Enable frequent backups, quick restores, longer retention periods, and faster recovery with lightweight VMs

— Save 90% (or 10x) capacity across storage and backup combined, guaranteed[2]

— Enable rapid, multisite disaster recovery with 10x more efficient WAN links

— Save money on storage capacity and expensive data center resources and reduce the amount of data sent over the WAN

High-end graphics support

For HPE SimpliVity 380, leverage NVIDIA® L4, A16, L40 and Intel® Data Center GPU Max 1100 GPUs for next generation, intelligent workloads.

For HPE SimpliVity 325, leverage NVIDIA A2 GPUs for next generation, intelligent workloads.

HPE SimpliVity portfolio

The HPE SimpliVity portfolio intelligently simplifies IT infrastructure, advanced data services, and AI-driven operations into a single, all-in-one solution for edge-to-core workloads.

Based on HPE ProLiant servers, this fully integrated HPE solution is engineered and optimized for HPE HCI. Delivered in single, high-value building blocks, you can start small and scale to 16 nodes per cluster and 96 nodes per federation. Large edge environments can scale to 48 clusters per federation, and for campus-scale deployments, 16-node stretch clusters are available.

Clusters can be mixed within the same federation, for example, HPE SimpliVity 380 at the core data center and HPE SimpliVity 380 or HPE SimpliVity 325 at the edge.

[2] HPE SimpliVity HyperGuarantee

HPE SimpliVity 380

HPE SimpliVity 380, based on HPE ProLiant DL380 Gen11 and Gen10 Plus servers, is ideal for high-performance, storage-intensive workloads. This solution provides software-optimized data services capabilities, and includes all-flash or hybrid flash storage, easy management, robust data efficiency, and built-in data protection—all at a very attractive price point.

HPE SimpliVity 325

The HPE SimpliVity 325 provides full software capabilities, security, and performance in a highly dense, 1U model. As the most compact solution in the portfolio, it delivers exceptional value with modern AMD EPYC™ processors and up to 128 cores in a 1U 1P solution. Built on the HPE ProLiant DL325 Gen11 and Gen10 Plus v2 server platform with all-flash storage, the solution is ideal for VDI, Remote Office Branch Office (ROBO) / edge, and small-to medium-sized business (SMB) / midmarket customers.

Our solution partners

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