Hewlett Packard Enterprise

Solution brief

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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.

HPE GreenLake as a service

- Delivers HPE SimpliVity VMs and VDI as a service
- Achieves better performance
- Guarantees data availability
- Delivers unified management
- Scales on demand

HPE 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 suite your needs: HPE Pointnext Complete Care and HPE Pointnext Tech Care

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, 2-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 total cost of ownership by 43%.[1]

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 AI.

Rapid deployment and zero-downtime refresh cycles

- Rapidly deploy and scale hyperconverged building blocks to meet changing demands
- Deploy virtualized or container-based workloads quickly and easily across your entire environment
- Start small and flexibly scale by non-disruptively 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®
- Streamline operations with policy-based, 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 86% of infrastructure problems before they happen[2]
- Predicts when cluster capacity will be full within 90 days and provides insight into top consumers
- Displays multi-site view of all VMs and backups, complete with efficiency savings
- Provides insights into hardware and software issues with recommendations for corrective action
- Automated wellness alerts and signature detection alleviate support issues and reduce operational expenses

2-NODE HIGH AVAILABILITY

For continuous operations, HPE SimpliVity achieves high availability with only 2 nodes—saving you money and space

- Save costs due to fewer appliances and reduced data center footprint
- Meet SLAs with protection against multiple failures
- Ensure uptime across multiple sites with stretched clustering

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[1] ESG Economic Validation for HPE SimpliVity 325 HCI for Edge, October 2020

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

High-end graphics support
High-end graphics virtualization is
supported by NVIDIA® GPUs.

BUILT-IN DATA PROTECTION

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

- Run VM backups anytime, anywhere

- Back up and restore a 1 TB VM in 60 seconds
  or less[3]

- Achieve secure, cost-effective backups directly
  to public cloud via HPE Cloud Bank Backup

- Reduce complexity, cost, and risk with
  HPE StoreOnce, an on-premises, secondary
  backup solution

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

- Back up data between HPE SimpliVity
  federations with Zerto data migration

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

- Lightweight VMs enable frequent backups
  quick restores, longer retention periods, and
  faster recovery

- Save 90% (or 10x) capacity across storage and
  backup combined, guaranteed[4]

- Enable rapid, multi-site disaster recovery with
  10x more efficient WAN links

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

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 or HPE Apollo-based
servers, this fully integrated, all-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, e.g., HPE SimpliVity 380 at the core
data center, HPE SimpliVity 380, 325, or 2600 at
the edge.

HPE SIMPLIVITY 380

HPE SimpliVity 380 is based on the
HPE ProLiant DL380 server, and is ideal for
high-performance, storage-intensive workloads.
This solution is available with either hardware
accelerated or software-optimized data efficiency
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. The most compact
solution in the portfolio, it delivers the latest
high performance, single 64-core AMD EPYC
processor. Built on the HPE ProLiant DL325
server platform with all-flash storage, the
solution is ideal for VDI, ROBO/edge, and
SMB/Midmarket customers.

HPE SIMPLIVITY 2600

The HPE SimpliVity 2600 is an ideal solution
for edge and VDI workloads and is based on
HPE Apollo 2000 servers. It's optimized for
environments that require higher density nodes.
and has been tested and validated by HPE and
Login VSI.[5]

LEARN MORE AT
hpe.com/info/simplivity

[3, 4] HPE SimpliVity HyperGuarantee
[5] Login VSI is the de facto IT-industry standard in
VDI performance load testing and benchmarking

Our solution partners

intel NVIDIA AMD

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