Hewlett Packard Enterprise

Powerhouse hyperconverged infrastructure

HPE SimpliVity

Power and protect your virtualized infrastructure with an enterprise-grade hyperconverged platform

An enterprise-grade hyperconverged platform provides unmatched efficiency, performance, and resiliency

Complete hyperconvergence
Integrated compute, storage, and virtualization—with advanced data services for data efficiency, data protection, and VM-centric management and mobility

Advanced data services
- Policy-based, VM-centric management to streamline operations
- 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]

Multihypervisor strategy
- Customers can choose to deploy in either VMware vSphere® or Microsoft® Hyper-V private clouds

Multiplatform strategy
Enhance performance with **HPE SimpliVity 380**, ideal for:
- Storage intensive workloads
- Multiple configuration options (XS, S, M, L, and XL)
- Hardware accelerated or software optimized always-on deduplication and compression
- General virtualization and VDI workloads

Optimize your space-constrained IT environment with **HPE SimpliVity 2600**, ideal for:
- Compute intensive workloads
- Space-constrained environments that need a high-density server form factor
- Highest GPU per rack unit (RU) density
- Software optimized for always-on deduplication and compression
- Edge and VDI workloads

Mixed federation strategy
- Customers can choose to mix clusters within the same federation, e.g., HPE SimpliVity 380 at the core data center, HPE SimpliVity 380 or 2600 at the edge

[1] **HPE SimpliVity HyperGuarantee**.

[2] Based on external firm conducting cybersecurity penetration testing of a range of server products from a range of manufacturers, May 2017.

Modern data architecture

Modern IT leaders face a dilemma. The cost and complexity of traditional IT leaves few resources to focus on transformative projects and innovation—let alone a worry-free environment. And while public cloud promises greater speed and agility, going all-in on cloud isn't possible for business-critical workloads where performance, protection, privacy, and control are paramount.

If you're struggling to achieve the agility and economics of the cloud with enterprise-grade performance and protection, **HPE SimpliVity** is the answer.

This all-flash, pre-integrated, hyperconverged building block scales to 16 nodes per cluster/96 nodes per federation and dramatically simplifies IT by combining all **hyperconverged infrastructure** and advanced data services for virtualized workloads—including VM-centric management and mobility, data protection and guaranteed data efficiency—and is based

on the HPE ProLiant DL380 Gen10 server which is part of the world's most secure industry-standard server portfolio.[2]

For customers who need high-density nodes in their hyperconverged solution, HPE now offers the HPE SimpliVity 2600 for space-constrained environments.

HPE SimpliVity 380

In addition to medium and large all-flash configurations, the HPE SimpliVity 380 offers an extra-small and small solutions in single- and dual-socket configurations, that are priced right for small to midsized business and remote and branch offices. These solutions include all flash storage at, twice the performance and half the latency of leading competitive hybrid offerings, plus built-in backup and recovery data protection—all at a very attractive price point.

Plus, HPE offers an XL large configuration ideal for customers with high storage capacity workloads or who need a backup hub for distributed environments.

What makes HPE SimpliVity different from other solutions?
- **Fast**—Intuitive VM-centric management and mobility speed deployment and application performance to free IT to focus on their business.
- **Powerful and efficient**—All IT infrastructure and advanced data services for virtualized workloads in a single building block and increased storage efficiency—guaranteed.
- **Multicloud**—Transform your VM environment into an enterprise cloud that delivers cloud-like speed, operations, and economics across all your private clouds.

Powered by Intel®
Based on a new foundation for scalability, the Intel® Xeon® Scalable processors family is designed to seamlessly address a wide range of key workloads by delivering boosts in performance, efficiency, and security.

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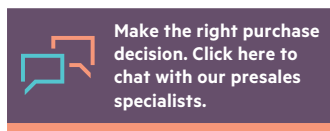
Our solution partners

[3] Login VSI is the de facto IT-industry standard in VDI performance load testing and benchmarking.

[4] hpe.seismic.com/Link/Content/DCQKNFC4FlQqR6Rj5bbjNw5g, IDC, August 2018.

[5] TechValidate: techvalidate.com/tvid/57D-FAC-AFC, June 2018.

[6], [7] HPE SimpliVity HyperGuarantee.

[8], [9] Forrester Report: The total economic impact of HPE SimpliVity hyperconverged infrastructure, May 2019.

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HPE SimpliVity 2600

The HPE SimpliVity 2600 is a new solution for edge and VDI workloads that offers HPE SimpliVity software on a new hardware platform that is based on HPE Apollo 2000 servers and is optimized for environments that require higher density nodes. HPE is the first vendor to deliver consistent performance with always-on dedupe and compression that is enabled by software, and has been tested and validated by HPE and Login VSI.[3]

Fast

Innovative VM-centric management and mobility speed deployment and application performance
- Rapidly deploy and scale hyperconverged building blocks to meet changing demands.
- Manage VM environments quickly and easily using the intuitive and familiar VMware vCenter® or Microsoft System Center Virtual Machine Manager interface.
- Single interface to view all data centers and edge computing environments, e.g., remote/branch offices (ROBOs) within your virtual environment.
- Manage resources in a federated pool and seamlessly move data across sites.
- 91% increase in time to spend on innovation and new projects.[4]
- 88% of customers see dramatic application performance improvement.[5]
- Effectively run all virtualized workloads including SQL Server, VDI, Collaboration, DevOps, and Docker.

Powerful and efficient

All IT infrastructure and advanced data services for virtualized workloads plus increased storage efficiency
- Mitigate data loss and ransomware risk with the highest levels of resiliency, built-in resilience, backup, and disaster recovery (DR).

- Simplify and accelerate DR and provide VM protection across primary and secondary sites with integrated and automated HPE SimpliVity RapidDR.
- 60 seconds or less (on average) to back up or recover a 1 TB VM.[6]
- Save 90% capacity across storage and backup combined.[7]
- Reduce costs by 69%.[8]
- 10X reduction in data center devices when deploying HPE SimpliVity.[9]

Multicloud

Transform your VM environment into an enterprise cloud
- Delivers cloud-like speed, operations, and economics across all your private clouds
- Deploy applications and manage VMs quickly and easily across your entire environment

Services

Optimize uptime with support provided by HPE Pointnext
- With access to new self-serve tools, expert advice, and an enhanced support call experience, HPE Proactive Care for HPE SimpliVity can give you the support experience your IT and business need.

Start innovating now

There's no need to wait. Contact your authorized HPE SimpliVity sales representative to find out how you can start enjoying the benefits of hyperconvergence.

Contact the Experis Technology Group team to learn more!