Hewlett Packard Enterprise

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

Complete hyperconvergence
Integrates 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]

Global intelligence with HPE InfoSight for HPE SimpliVity
- Visibility—Provides system details at the federation, cluster, and node level (includes entitlement status of the node)
- Predictive analytics—Insights into historical cluster capacity consumption and prediction to full
- Proactive wellness alerts—Alleviates support issues and reduces operational expenses with automated wellness alerts and case creation
- VM resource utilization—Visibility to VM neighbors and insights into VM storage utilization to identify high consuming VMs and implement corrective actions
- Provides an unified view of HPE assets

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

Multiplatform strategy
HPE SimpliVity 380
- Ideal for storage intensive workloads
- Multiple all-flash configuration options (XS, S, M, L, and XL)
- Backup and archive hybrid flash storage node for large data backup and recovery needs
- Hardware accelerated or software optimized always-on deduplication and compression
- General virtualization and VDI workloads

HPE SimpliVity 325
- Ideal for small ROBO and edge use cases
- Highly dense, 1U, single AMD processor node with high core count
- Lower TCO
- Full HPE SimpliVity software functionality

[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.

Powerhouse hyperconverged infrastructure

HPE SimpliVity

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

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 enterprise-grade, pre-integrated, hyperconverged infrastructure (HCI) building block scales to 16 nodes per cluster/96 nodes per federation and for large ROBO environments, 48 clusters per federation. HPE SimpliVity 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 HPE ProLiant DL380 Gen10, HPE ProLiant DL325 Gen10, or HPE 2600-based servers.

HPE InfoSight for HPE SimpliVity

HPE InfoSight, an industry-leading Artificial Intelligence for Operations (AIOps) platform, 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 issues and reduce operational expenses, and VM resource utilization to gain insights into noisy VM neighbors and highest consuming VMs.

HPE SimpliVity 380

HPE SimpliVity 380 is based on the HPE ProLiant DL380 server, and is part of the world's most secure industry-standard server portfolio.[2]

In addition to medium and large all-flash sizes, extra-small and small sizes in single- and dual-socket configurations are available and priced right for small to mid-sized business and remote and branch offices. These solutions include all flash storage, easy management, robust data efficiency, and built-in data protection—all at a very attractive price point.

New HPE SimpliVity 380 backup and archive node

IT organizations that need an efficient solution to backup and recover large amounts of data now have a new cost-effective, hybrid flash storage option. The **HPE SimpliVity 380 backup and archive** node protects archived data in multisite and ROBO deployments. This solution provides all the benefits of HPE SimpliVity plus meets the need of large capacity systems in an operational backup, recovery, archive, and off-site replication use case.

New HCI choice with HPE SimpliVity 325

The latest offering in the HPE SimpliVity portfolio provides customers with a new option when it comes to HCI. The HPE SimpliVity 325 provides security and performance in a highly dense, 1U model—and has the smallest footprint in the

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, 325, or 2600 at the edge

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.
- **Multi-cloud**—Transform your VM environment into an enterprise cloud that delivers cloud-like speed, operations, and economics across all your private clouds.

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

[3] Login VSI is the de facto IT-industry standard in VDI performance load testing and benchmarking.
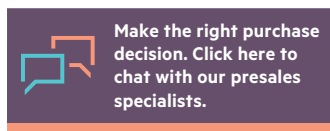
[4] **hpe.seismic.com/Link/Content/DCQKNFC4FlQqR6Rj5bbjNw5g**, IDC, August 2018.

[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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portfolio. It includes an AMD EPYC™ single CPU processor. all-flash storage and is built on the HPE ProLiant DL325 Gen10 server platform, Customers with remote offices and data centers at the edge and those with space-constrained locations will benefit from the built-in resiliency and data services in this hyperconverged node.

HPE SimpliVity 2600

The HPE SimpliVity 2600 is an ideal solution for edge and VDI workloads that offers HPE SimpliVity software 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]

Multi-cloud

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 Services
- 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.

Learn more at
hpe.com/info/simplivity