Power to the VM administrator

HPE SimpliVity with Composable Fabric

True hyperconvergence from data center to edge

Modern data architecture
To be successful and harness the opportunities that come with an “everything computes” world, enterprises must address a new generation of applications and data that span across multiple platforms and technologies. Because most IT environments are very complex, companies are searching for simpler infrastructure solutions that are agile, automated, scalable, and simple. Whether your applications and data reside in the data center, private or public clouds, at the edge of your network, or a combination of the above, you need the flexibility to operate seamlessly across all environments. A hyperconverged solution provides that flexibility and simplicity by converging compute, storage, networking, and advanced data services for virtualized workloads into one simple to manage, software-defined platform.

Introducing HPE SimpliVity
This all-flash, pre-integrated, hyperconverged 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 (HCI) along with compute, storage, and networking. It also includes advanced data services for virtualized workloads—including VM-centric management and mobility, data protection, and 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. For customers who need high-density nodes in their hyperconverged solution, Hewlett Packard Enterprise now offers the HPE SimpliVity 2600 for space-constrained environments.

HPE Composable Fabric
HPE offers a true HCI offering that includes not only software-defined compute and storage but networking as well. HPE SimpliVity with Composable Fabric includes an intent-based networking fabric that dynamically allocates bandwidth based on application awareness and automation. The fabric adjusts in real time to the needs of specific traffic types and data needs, enabling the creation and enforcement of application-level service-level agreements (SLAs).

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 automated wellness alerts, historical capacity utilization trends, and forecasted days until physical capacity is full, system details, and HCI specific virtual machine (VM) vision to identify which VMs are consuming the most resources. Available H2 2019.

Multiplatform options
HPE SimpliVity 380
HPE SimpliVity 380 offers extra-small, small, medium, and large solutions in single- and dual-socket configurations that are priced right for businesses of all sizes. These solutions include all-flash storage at, along with built-in backup, disaster recovery, and resiliency—at a very attractive price point.

New backup and archive hybrid storage node protects tiered data
IT organizations that need an efficient, hybrid storage solution to backup and recover large amounts of data have a new cost-effective hyperconverged option. The HPE SimpliVity 380 backup and archive node protects archived data in multi-site 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.
What makes HPE SimpliVity with Composable Fabric different from other solutions?

**Agility**
- Deploy new apps in minutes with auto-workload optimization

**Empowerment**
- Automate data management and networking to empower virtualization admins

**Cost savings**
- Reduce complexity, automate tasks, and increase data efficiency

**Hybrid cloud**
- Deliver apps at cloud speed and with cloud economics

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**New processor choice with HPE SimpliVity 325**

The latest offering in our hyperconverged portfolio provides customers with a new option when it comes to computer processing. HPE SimpliVity 325 includes an AMD EPYC™ single CPU processor platform with all-flash storage. Built on the HPE ProLiant DL325 Gen10 server platform, the HPE SimpliVity 325 provides security and performance in a highly dense, 1U model—the smallest footprint in our hyperconverged portfolio. Customers with remote offices and data centers at the edge, and those with space-constrained locations can benefit from the built-in resiliency and data services in this hyperconverged node. Available H2 2019.

**HPE SimpliVity 2600**

HPE SimpliVity 2600 is a new solution for VDI workloads that offers HPE SimpliVity software on an HPE Apollo 2000 server platform optimized for environments that require higher density nodes. In fact, HPE is the first vendor to deliver consistent performance with software enabled always-on deduplication and compression, which has been tested and validated by HPE and Login VSI.

**Agility**

Industry’s only true hyperconverged solution that offers scale-out compute, storage, and networking
- Friction-free infrastructure for enterprise cloud. Deploy apps and data management without storage and network complexity.
- Effectively run any virtualized workloads such as SQL Server, VDI, collaboration, DevOps, or Docker across software-defined infrastructure.
- 88% of customers see dramatic app performance improvement.

**Empowerment**

Advanced data services and leading performance in a single networked building block, managed from VMware vCenter®
- VM admin now enjoys end-to-end automation of storage and networking tasks.
- Under 1 minute to back up or restore a 1 TB VM.
- Gain time for innovation.

**Cost savings**

Automate and simplify configuration tasks while increasing storage efficiency
- Save 90% capacity across storage and backup combined
- Save 50% in end-to-end network configuration and troubleshooting
- 91% time freed to focus on apps

**Hybrid cloud**

Manage pooled hybrid cloud resources via software-defined tools, enabling a true cloud strategy
- Unified view across on-premises and public cloud with insights into all costs and usage.
- Deploy apps and manage VMs in minutes with a few clicks.

**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.

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