HPE GreenLake

HPE SimpliVity 380

What's new

- HPE SimpliVity Software 5.0.0 and ESXi 8.0.
- HPE SimpliVity with HPE GreenLake for Private Cloud Business Edition - offered on the HPE GreenLake edge-to-cloud platform. Simplify Private Cloud management with a cloud operational experience.
- HPE SimpliVity 380 Gen10 Plus nodes with new 3rd Generation Intel® Xeon® Ice Lake CPUs and 3.84 TB SATA SSDs.
- NVIDIA® A100, A40, A30, A16, A10, A2 and T4 GPU's for next generation, intelligent workloads.
- HPE SimpliVity 380 Gen10 Plus can achieve 32 TB with only twelve 3.84 TB

Overview

Is complexity in your data center slowing you down?

HPE SimpliVity 380 gives IT organizations the agility and economics of the cloud with the control and governance of on-premises IT and HPE GreenLake for Private Cloud Business Edition integration. It delivers a powerhouse Hyperconverged Solution optimized to support the world's most efficient and resilient data centers. This solution dramatically simplifies IT by combining infrastructure and advanced data services for virtualized workloads on a single device. Delivered on HPE ProLiant DL380 servers, a compact, scalable, 2U rack-mounted building block that consolidates server, storage, and storage networking services. By delivering a complete set of advanced functionalities, SimpliVity solutions enable dramatic improvements in the operational efficiency, management, protection, and performance for general purpose virtualized workloads for a fraction of the cost and complexity compared

SSDs.

- HPE SimpliVity 380 Gen10 Plus will support single and dual disk resiliency as deployment option similar to other HPE SimpliVity software optimized nodes.

to today's traditional infrastructure stack.

Features

Complete Hyperconvergence in a Fully Integrated System

The HPE SimpliVity 380 combines x86 resources, storage, and storage networking in a single hyperconverged system with advanced functionality.

Simplifies management and delivers outstanding cost efficiency and agility.

HPE GreenLake Private Cloud Business Edition integration offers cloud based visibility and control of the entire virtualized environment via unified management.

Delivers orchestrated, simultaneous deployment and upgrades so you can deploy more simply and respond to business needs faster.

Unify virtual machines and infrastructure tasks to reduce virtual machine (VM) sprawl and over-provisioning.

Peak and Predictable Performance

The HPE SimpliVity 380 delivers an all-flash solution delivering predictable and near linear performance at near-wire speeds while reducing latency.

In-line deduplication, compression, and optimization helps reduce I/O and network traffic while dramatically shrinking backup window requirements.

On Demand Scale-in and Scale-out

The HPE SimpliVity 380 can easily expand or contract configurations as your needs change.

Each node supports a large number of fully protected virtual machines (VMs).

A networked collection of nodes at both local and remote sites are managed as a single entity.

Flexibility to expand node storage and add a second CPU (with additional memory) to 1P nodes within the field.

Federations scale up to 96 nodes. Heterogenous federation support (clusters of HPE SimpliVity 380 Gen9/Gen10 and legacy HPE SimpliVity can be federated with clusters of HPE SimpliVity 380 G or HPE SimpliVity 380 Gen10 Plus, HPE SimpliVity 325 Gen10/Gen10 Plus v2 and HPE SimpliVity 2600 Gen10).

Advanced Data Services

The HPE SimpliVity 380 delivers always-on deduplication and compression to significantly reduce capacity utilization.

Built-in resiliency, backup, and disaster recovery for enterprise-grade data protection.

Policy-based, virtual machine (VM) centric management to streamline operations.

HPE SimpliVity RapidDR is a Disaster Recovery(DR) orchestration tool for HPE SimpliVity platforms to simplify, automate, and accelerate offsite DR for rapid recovery of applications.

Optional Data at Rest Encryption (DARE) support.

Technical specifications   HPE SimpliVity 380

Number of processors	1 or 2 Intel® Xeon® Scalable Processors, depending on configuration.
Processor core available	SimpliVity 380 Gen10 8 to 32 cores per processor, depending on processor selected, minimum 8 cores on 380 Gen10 x5 , x9 , x12 SSD node required SimpliVity 380 G 8 to 32 cores per processor, depending on processor selected, minimum 16 cores on 380 G x6 SSD node required, minimum 22 cores on 380 G x 8 SSD, G x 9 SSD, G x 12 SSD, G x 16 SSD , G x 18 SSD and G x 24 SSD nodes are required. SimpliVity 380 Gen10 Plus 8 to 40 cores per processor, depending on processor selected, minimum 16 cores on 380 G x6 SSD node required, minimum 22 cores on 380 G x 8 SSD, G x 9 SSD, G x 12 SSD nodes are required. Variants for 1.92 TB or 3.84 TB are available.
Memory	Up to 4 TB per socket (16 x 256 GB DDR4 per CPU), 2 CPU maximum (8 TB maximum memory)
Ports	Embedded Ethernet 10 Gb FLOM with optional 4 x 1GbE LOM Note: Embedded 4 x 1GbE LOM is not equipped on new Network choice boards for the 2nd Gen Intel® Xeon® R series processors.
Power	HPE 800W FS Plat Hot Plug Power Supply Kit HPE 800W FS -48VDC Hot Plug Power Supply Kit HPE 800W FS Titanium Hot Plug Power Supply Kit HPE 800W FS Universal Hot Plug Power Supply Kit HPE 1600W FS Platinum Hot Plug LH Power Supply Kit HPE 1800W-2200W FS Titanium Hot Plug LH Power Supply Kit
Form factor	2U Node with 1 Processor or 2 Processor options
Warranty	Server Warranty includes 3-year parts, 3-year labor, 3-year onsite support with next business day response. NOTE: Warranty for SSDs is subject to maximum usage limitations. Maximum usage limit is the maximum amount of data that can be written to the drive. Drives that have reached this limit will not be eligible for replacement.

HPE Services

No matter where you are in your transformation journey, you can count on HPE Services to deliver the expertise you need when, where and how you need it. From strategy and planning to deployment, ongoing operations and beyond, our experts can help you realize your digital ambitions.

Consulting services

Experts can help you map out your path to hybrid cloud and optimize your operations.

Managed services

HPE runs your IT operations, giving you unified control, so can focus on innovation.

Operational services

Optimize your entire IT environment and drive innovation. Manage day-to-day IT operational tasks while freeing up valuable time and resources.

- HPE Complete Care Service: a modular service designed to help optimize your entire IT environment and achieve agreed upon IT outcomes and business goals. All delivered by an assigned team of HPE experts.

- HPE Tech Care Service: the operational service experience for HPE products. The service provides access to product specific experts, an AI driven digital experience, and general technical guidance to help reduce risk and search for ways to do things better.

Lifecycle Services

Address your specific IT deployment project needs with tailored project management and deployment services.

HPE Education Services

Training and certification designed for IT and business professionals across all industries. Create learning paths to expand proficiency in a specific subject. Schedule training in a way that works best for your business with flexible continuous learning options.

The Defective Media Retention (DMR) service feature option applies only to Disk or eligible SSD/Flash Drives replaced by Hewlett Packard Enterprise due to malfunction. Comprehensive Defective Material Retention (CDMR) allows you to keep all data retentive components.

HPE GreenLake

HPE GreenLake edge-to-cloud platform is HPE's market-leading as-a-Service offering that brings the cloud experience to apps and data everywhere – data centers, multi-clouds, and edges – with one unified operating model, on premises, fully managed in a pay per use model.

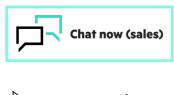If you are looking for more services, like **IT financing solutions**, please explore them here.

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