HPE SimpliVity 380



What's new

- Introducing support for HPE ProLiant Compute DL380 Gen12 platform.
- HPE SimpliVity 7.0.0 software supports vSphere® 8.0U3 and HVM 9.0.2.
- HPE SimpliVity 380 Gen12 nodes with new 6th Generation Intel® Xeon® CPUs.
- HPE SimpliVity offers term-based licensing with 3-year and 5-year terms.
- Introducing Usable Capacity (TiB) as the standard unit of measure for licensing

Overview

Is complexity in your data center slowing you down?

HPE SimpliVity 380 delivers the agility and economics of the cloud with the control of on-premises IT, now with an option to integrate with HPE Private Cloud PC3000. Built on the trusted HPE ProLiant DL380 platform, this compact 2U hyperconverged solution combines compute, storage, and networking in a single, scalable building block—dramatically simplifying IT.

Optimized for efficiency and resilience, HPE SimpliVity delivers enterprise-grade management, operational efficiency, protection, and performance for virtualized workloads while reducing infrastructure cost and complexity.

HPE SimpliVity 380 now supports HPE Morpheus Software – VM essentials along with Broadcom VMware®, offering flexible hypervisor choices to meet diverse business needs.

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.

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.

HPE SimpliVity now supports HPE Morpheus Software – VM essentials along with Broadcom VMware®, offering flexible hypervisor choices to meet diverse business needs.

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 Gen11 and HPE SimpliVity 325 Gen11.

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
Processor family	Intel Xeon® Scalable Processors
Maximum memory	8 TB
Supported storage	HPE SimpliVity 380 Gen12 (HPE Morpheus Software – VM essentials and Broadcom VMware®) (FTT1) 4x 1.92 TB SAS MU + 6x 1.92 TB SAS RI (11.9) 4x 1.92 TB SAS MU + 8x 1.92 TB SAS RI (15.3) 4x 3.84 TB SAS MU + 6x 3.84 TB SAS RI (24.0) 4x 3.84 TB SAS MU + 8x 3.84 TB SAS RI (30.9) 4x 6.4 TB SAS MU + 6x 7.68 TB SAS RI (45.9) 4x 6.4 TB SAS MU + 8x 7.68 TB SAS RI (59.7) HPE SimpliVity 380 Gen11 With HPE Morpheus Software – VM essentials Supports only FTT1 1.92 TB SSDs: 6/8 drives – 6.0 - 10 TB 3.84 TB SSDs: 6/8 drives – 10.5 - 21 TB 7.68 TB SSDs: 6/8 drives – 23 - 43 TB HPE SimpliVity 380 Gen11 With Broadcom VMware® Supports FTT1/FTT2 1.92 TB SSDs: 6,8,9,12,16 drives – 6.0 - 21 TB 3.84 TB SSDs: 6,8,9,12,16 drives – 10.5 - 43 TB 7.68 TB SSDs: 6,8,9,12,16 drives – 23 - 86 TB *Note 1: FTT1 - Single Disk Resiliency, FTT2 - Dual Disk Resiliency Please refer to QuickSpecs for drive configuration details
Number of processors	1 or 2 Intel® Xeon® Scalable Processors, depending on configuration
Memory	Up to 4 TB per socket (16x 256 GB DDR4 per CPU), 2 CPU maximum (8 TB maximum memory)

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Ports	OCP NIC adpaters with multiple options - 1 Gb,10 Gb,10/25 GB,100 Gb, 200 Gb
Power	HPE 1000W Flex Slot Titanium Hot Plug Power Supply Kit HPE 1600W Flex Slot -48VDC Hot Plug Power Supply Kit HPE 1600W -48VDC Power Cable Lug Kit 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.
Supported workloads	General Virtualization
Processor core available	HPE SimpliVity 380 Gen11 8 to 64 cores per processor [Intel® Xeon® 5th Gen processor] HPE SimpliVity 380 Gen12 16 to 86 cores per processor [Intel® Xeon® 6th Gen processor]

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.

Advisory & Professional 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.

Support 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.

— **HPE Multivendor Services:** Single point of accountability for managing on-site hardware and software support for multivendor products. HPE experts help manage your IT across technologies and platforms for HPE and non-HPE technologies, acting as the single point of contact for your IT operational needs.

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

Defective Media Retention is optional and allows you to retain Disk or eligible SSD/Flash Drives replaced by HPE due to malfunction.

GreenLake

GreenLake is the cloud to run and manage your entire hybrid landscape—private, public, and edge. It helps you to:

— Streamline IT Operations across compute, storage, and networking without the chaos

— Unify and secure data, as you move faster

— Accelerate AI, from pilot to production

The result: greater operational efficiency, lower TCO, and faster AI delivery—all from one unified, intelligent platform built for today's hybrid enterprise.

For additional technical information, available models and options, please reference the QuickSpecs

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Parts and components that have reached their maximum supported lifetime and/or the maximum usage limitations as set forth in the manufacturer's operating manual, product quick-specs, or the technical product data sheet will not be provided, repaired, or replaced as part of these services.

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PSN1009954527WWEN, October, 2026.

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