

# HPE SimpliVity 380

## What's new

- HPE SimpliVity 380 Gen11 nodes with new 5th Generation Intel® Xeon® CPUs.
- HPE SimpliVity Software 5.1.0U1.
- 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.
- New GPUs: NVIDIA® H100, L40, A16, L4, Intel® DS GPU Max1100 for next generation intelligent workloads.
- HPE SimpliVity 380 Gen11 can achieve 43 TB with 16x 3.84 TB SSDs.
- HPE SimpliVity 380 Gen11 will support single and dual disk resiliency as deployment options similar to other HPE SimpliVity platforms.

## 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 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/380 Gen10 Plus/380 Gen11, HPE SimpliVity 325 Gen10/Gen10 Plus v2 and 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

<b>Number of processors</b>	1 or 2 Intel® Xeon® Scalable Processors, depending on configuration.
<b>Processor core available</b>	<p>SimpliVity 380 Gen11              8 to 64 cores per processor [Intel® Xeon® 5th Gen processor]              Minimum 8 core needed for dual socket and 16 cores needed for single socket on 380 Gen11 x6              Minimum 12 core needed for dual socket and 22 cores needed for single socket on 380 Gen11 x8, x9, x12, x16              Variants for 1.92 TB or 3.84 TB are available.</p> <p>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.</p>
<b>Memory</b>	Up to 4 TB per socket (16 x 256 GB DDR4 per CPU), 2 CPU maximum (8 TB maximum memory)
<b>Storage</b>	<p>HPE SimpliVity 380 Gen11              6 x 1.92 or 3.84 TB - FTT1, FTT2              8 x 1.92 or 3.84 TB - FTT1              9 x 1.92 or 3.84 TB - FTT2              12 x 1.92 or 3.84 TB - FTT1, FTT2              16 x 1.92 or 3.84 TB - FTT1</p> <p>HPE SimpliVity 380 Gen10 Plus              6 x 1.92 or 3.84 TB - FTT1, FTT2              8 x 1.92 or 3.84 TB - FTT1 only*              9 x 1.92 or 3.84 TB - FTT2 only*              12 x 1.92 or 3.84 TB - FTT1, FTT2</p> <p>*Note 1: FTT1 - single Disk Resiliency, FTT2 - dual Disk Resiliency</p>
<b>Ports</b>	OCP NIC adapters with multiple options - 1 Gb, 10 Gb, 10/25 GB, 100 Gb, 200 Gb
<b>Power</b>	<p>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</p>
<b>Form factor</b>	2U Node with 1 Processor or 2 Processor options
<b>Warranty</b>	<p>Server Warranty includes 3-year parts, 3-year labor, 3-year onsite support with next business day response.</p> <p>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.</p>



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

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## 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](#).

Explore **HPE GreenLake**



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