

Break through cloud adoption barriers

HPE Helion CloudSystem on HPE Hyper Converged 380

Power-on to cloud in hours

Hyperconvergence plus cloud is a proven way to make your IT:

Faster

- Move from power-on to cloud-ready in hours, not weeks or months

Better

- Self-service
 - Empower lines of business and developers
 - Scale up or down to meet changing demands
- Service catalog
 - Standardized services across private, managed, and public cloud providers offered by IT
- Automation
 - Orchestrate and automate manual, repetitive, and error-prone tasks

Cost-effective

- Hyperconverged form factor
- No centralized SAN; low starting footprint



Hybrid IT—the new reality

Until recently, enterprises and governments followed a single prescriptive business model, such as running all workloads on-premise. Today, outside forces and internal pressures are driving every organization to evolve to a new IT reality called “hybrid,” which includes:

- On-premises resources
 - Traditional IT
 - Virtual and automated
 - Private clouds
 - Off-premises resources
 - Managed clouds
 - Public clouds
- By deploying the right mix of internal and external resources, you can realize the potential of hybrid, backed by the power of cloud:
 - Deliver “always-on” services
 - Auto-scale to maximize your business’ growth potential and enable your infrastructure to move faster than your business
 - Simplify IT deployment, management, and maintenance
 - Empower a rising developer class to build apps and microservices quickly and efficiently
 - Reduce CAPEX by appropriately utilizing resources
 - Transform culture—more dev, less ops
 - Control virtual machine (VM) sprawl

Solution brief

Designed to go from power-on to cloud in hours, HPE Helion CloudSystem on HPE Hyper Converged 380, powered by the latest Intel® Xeon® processors, is a pre-integrated system that can help you break through cloud adoption barriers so you can capitalize on everything hybrid IT offers.

Choosing your infrastructure configuration

Designed to deliver a faster, simpler, and more affordable private and hybrid cloud out-of-the-box experience, the HPE Hyper Converged 380 is an all-in-one compute, software-defined storage, and intelligent integrated infrastructure solution. Cloud- and

90%

HPE Hyper Converged 380 optimizes physical and virtual compute, enclosure, power, and storage, resulting in 90% greater data center efficiency.¹

Our solution partner



¹ Based on HPE internal testing, 2015



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composable-ready—and backed by advanced Intel Xeon processors—HPE Hyper Converged 380 is built on the following architectural design principles:

- **Intuitive**—a consumer-inspired user interface that makes deploying VMs and managing cloud easier
- **Affordable**—using two nodes as the entry point, making the Hyper Converged 380 appliance cost-effective to buy, deploy, and scale
- **Smart**—automation and intelligence from analytics enable you to monitor, troubleshoot, and forecast more effectively
- **Federated**—capabilities for lifecycle management, resiliency, and data fabric with mobility

Private cloud

Deploy HPE Helion CloudSystem Foundation on HPE Hyper Converged 380 to improve visibility and control over the self-service provisioning of VMs. This solution is also well suited for supporting remote offices/branch offices (ROBOs). With this configuration, you benefit from:

- Advanced capabilities for network configuration, software-defined storage, scalability, and hypervisors
- Self-service provisioning of on-premises resources via marketplace or the OpenStack® Horizon portal (for lines of business) or OpenStack API (for developers)
- Ability to develop and deploy traditional and cloud-native apps, using the HPE Helion Development platform

Hybrid cloud

Deploy HPE Helion CloudSystem Enterprise on HPE Hyper Converged 380 to automate and orchestrate workloads across cloud providers. Use this solution to support Infrastructure-as-a-Service (IaaS) and

Platform-as-a-Service (PaaS) workloads, as well as a broad range of use cases. This configuration offers the following capabilities:

- Auto-discovery and topology of resources
- Single IT service control point for a multicloud environment, with intuitive service designers and lifecycle management
- Ability to manage heterogeneous hypervisors and public cloud providers, including Amazon Web Services (AWS) and Microsoft® Azure
- Self-service provisioning of on- and off-premise resources via the Marketplace portal (for line-of-business IT)
- Ability to develop and deploy traditional and cloud-native apps

You benefit from standard factory assembly of the HPE ProLiant DL380 Servers, loading of the software images in the factory, fast delivery, and seamless onsite setup through the HPE Helion CloudSystem InstantOn wizard, enabling you to power-on your cloud in hours.

Reach for the cloud with confidence

As you look forward to moving to a cloud service delivery model, remember that Hewlett Packard Enterprise can help get you there. Through service-focused solutions such as HPE Helion CloudSystem running on HPE Hyper Converged 380, your IT can become a cloud provider—enabling your organization to quickly adapt to your market and your customers' needs.

Learn more at
hpe.com/info/hc
hpe.com/info/cloudsystem

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