

WHITE PAPER:
**BREAK THE
CONVERGED MOLD**

HPE HYPER CONVERGED 380



ZUNESIS

Move at the Speed of Business

Today's companies often have IT environments that face significant, similar challenges, including:

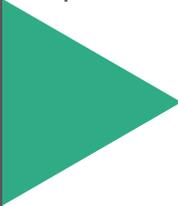
- Keeping up with ever-changing business requirements
- Dealing with limited and overtasked IT staff
- Difficulty deploying unwieldy infrastructure
- Challenges maintaining an abundance of complex tools
- Controlling virtual machine (VM) sprawl

In response to these business requirements, many IT organizations have launched server virtualization and cloud computing projects to achieve improved service delivery and increased IT agility.

Some organizations, however, have initiated ambitious virtualization, cloud, and infrastructure projects that have led to lengthy schedules, increased management complexity, and higher operational costs.

The old ways can't keep up with today's demands, while the new ways aren't always easy to implement. What's really needed is a new type of solution where everything simply works together. This is where hyperconvergence comes into play. It provides many of the benefits of a virtualized data center in a compact, cost-effective system that is easy to deploy, manage, and support.

Companies today need a simpler, faster virtualization solution—one that can be managed by one IT generalist rather than numerous IT specialists.



Enter the HPE **Hyper Converged 380**—powered by Intel® Xeon® processors—an advanced, virtualized system from Hewlett Packard Enterprise and available through Zunesis. Based on the HPE ProLiant DL380 Gen9 Server, this enterprise-grade system acts like a VM vending machine, enabling you to quickly deploy VMs, simplify your IT operations, and reduce overall IT costs like no other hyper converged system available today.



A Whole New World

What makes the HPE Hyper Converged 380—built on Intel® Xeon® processors—different from other solutions? This:

- **Intuitive**—The new HPE OneView User Experience (UX) makes managing and monitoring the system so easy that a manual isn't required.
- **Affordable**—Offers the lowest cost to start, scale, and protect.
- **Smart**—Places tools and analytics right at your fingertips.
- **Integrated**—Brings together lifecycle management and data fabric with mobility.

Uncover the Benefits

From a business perspective, the benefits of hyper converged systems include reduced capital and operating expenditures. This is thanks to fewer components than are required in conventional systems, a smaller footprint, simplified management, and efficient power and cooling. Better still, you won't need a number of IT specialists to keep a hyper converged system up and running. Instead, an IT generalist can manage it on a day-to-day basis.

On the technology side, hyper converged systems make things easier in the day-to-day life of your IT professionals. They no longer have to manage disparate server, storage, and networking systems, each with its own management tools. The infrastructure includes built-in resiliency and is easy to set up, learn, service, and scale.

And just because the system is small doesn't mean it's not mighty. Two powerful Intel® Xeon® processors, all-inclusive enterprise-class data services, and inherent data protection provide the same level of service as traditional IT solutions. Day-to-day management is simple with management centers that don't require learning a new console.

Everybody—on both the business and IT sides—can benefit from the increased agility that comes with IT systems that are pre-integrated and can scale out in a linear manner to support the needs of a dynamic business.

Hewlett Packard Enterprise hyper converged systems deliver the benefits of built-in high availability, automated storage tiering, a flexible software license strategy, and are validated on trusted technology from HPE and technology partners like VMware or Microsoft®. HPE hyper converged appliances can be used for any project where simplicity is key, since hyper converged is a virtualized data center in a box.



Deploy VM's at Cloud Speed

The HPE Hyper Converged 380 (HC 380) integrates multiple tools and automates complex tasks, allowing you to do the following:

Respond to business needs faster

- Create new VMs in one minute and five simple clicks
- See a unified view of all VMs and infrastructure

Simplify lifecycle management

- Manage and maintain your system with only one generalist
- Update firmware, drivers, and apply patches/updates in just three clicks

Increase productivity and flexibility

- Manage VM sprawl and overprovisioning

Virtual Vending Machine

Based on the ProLiant DL380 Gen9 Server, Hewlett Packard Enterprise's industry-leading platform, the HPE HC 380—built on Intel® Xeon® processors—introduces the concept of a VM vending machine. This solution integrates compute, storage, and virtualization into a single system. It features simplified upgrades, plus increased uptime and service levels. The new software-defined intelligence layer provides advanced analytics and reduces your costs to start, scale, and protect. In addition, the HC 380 puts you on a direct path to composability.

Advanced Analytics

The more you know, the better you can predict utilization, plan IT resources, and proactively prevent issues. That's why the HPE HC 380 includes tools that put analytics at your fingertips, such as the HPE Cloud Optimizer, which provides intelligent analytics to help you:

- Reduce overprovisioning and costs
- Run predictive capacity planning and "what if" scenario analysis
- Increase performance and service-level agreements with flexible workload placement.

Reduce Costs

The HPE HC 380 enables you to start small with a two-node hyper converged appliance that can scale up to 16 nodes.

Lowest cost to start

- Lower cost with a two-node system
- Pay-as-you-grow with all-inclusive licensing
- 2- to 16-node choice provides lower capital expenditures and more flexibility

Lowest cost to scale

- Supporting more VMs per node results in lower hardware and software costs
- Ability to access capacity on any x86 server or HPE StoreVirtual system
- Add storage-only blocks to increase capacity in existing nodes within a cluster

Lowest cost to protect

- 62 percent lower cost for disaster recovery^[1]

[1] Estimates may change based on final pricing and cost



A Path to Composability

Providing a new software-defined intelligence layer integrated into the hyper converged appliance, the HPE HC 380 is powered by the technology to put you on a direct path to composability.

Recognized as the infrastructure of the future, composable infrastructure is designed to run traditional workloads as efficiently as possible, while accelerating value creation for a new breed of applications that leverage mobility, Big Data, and cloud-native technologies.

Complete virtualization solution

- Integrated compute, storage, management, and virtualization – all with consumer-inspired simplicity

Accelerate Installation

- With HPE OneView InstantOn and HPE OneView UX set-up tools

Based on the world's best-selling server[1]

- HPE ProLiant DL380 Gen9 Server, including heterogeneous support of Intel® Xeon® processors

Perfect choice for multiple workloads

- General-purpose virtualization
- Virtual desktop infrastructure
- Cloud

[1] Q3 2015 IDC Server Tracker



Trusted HPE Technology Support Services

Support for HPE HC 380 solution helps you simplify your IT operations and provides invaluable peace of mind. Our support service team lets you spend more time developing apps and adding value to the business rather than maintaining your infrastructure.

Through comprehensive infrastructure lifecycle management, proactive advice, and 24x7 solution monitoring, our team of experts helps you maximize your workload uptime and avoid problems before they occur. By connecting your system to our support processes, you will be automatically notified of potential risks; and the resolution process will be initiated before an issue can cause problems.

If you are experiencing any issue with your solution, you will have immediate access to our team of solution experts whose priority is workload restoration, followed by immediate diagnostics and failure analysis. HPE HC 380 solution support is available in 30+ languages with a local presence in 140 countries.

Flexible Financing

Accelerate your transformation to hybrid IT without disrupting other priorities. Increase your flexibility with financing options that enable you to make monthly payments based on price per VM per month, or pay-as-you-scale programs. Establish control over your IT investments from the start and maintain control as business needs change.

All-Star Data Center Expertise

At Zunesis, our solution architects are the secret sauce to help you get what you need. We have particular expertise with hyper converged systems and can help design and deploy solutions. Whether your company's goal is to consolidate your data center or build-out, improve compliance, or business continuity, we can help accelerate your transition to a highly scalable and secure networking platform with a strong portfolio of world-class products that support your networking and security needs.

As a Hewlett Packard Enterprise Platinum Partner, Zunesis has extensive experience and expertise in HPE Hyper Converged 380—built on Intel® Xeon® processors—and can help you see the benefits of fitting hyper converged into your data center roadmap. If you currently have HPE equipment, or are considering purchasing it to move to hyper convergence, we have the knowledge to maximize your past and future investments in HPE.

Zunesis | 8375 S. Willow St., 5th Floor |
Lone Tree, CO 80124
| www.zunesis.com | 720-221-5200 |
<https://www.zunesis.com/contact/>



**Hewlett Packard
Enterprise**



ZUNESIS

Hewlett Packard Enterprise specializations include Platinum: Converged Infrastructure. The information contained herein is subject to change without notice. The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

© 2017 Zunesis. All rights reserved.