


Hewlett Packard
Enterprise



Converge and conquer

HPE ConvergedSystem portfolio

Adapt to new business demands with agility

Innovation is disrupting every business in every industry. Technology is lowering barriers to entry, while consumerization is driving change from the outside in. In the new idea economy, success will be determined by your ability to transform IT to meet the new expectations of consumers and business customers and to grow your business in new ways. HPE ConvergedSystem, powered by Intel®, can help.

The time for a change is now

Shift IT budget from operations to innovation

New opportunities continue to present themselves daily, and you can no longer afford to wait to take advantage of them. IT must be able to operate with the agility of a cloud provider to your lines of business and the extended ecosystem. To enable this transformation, your budget needs to shift from operations to innovation, giving you the agility to pursue new business growth beyond your traditional boundaries.

It's clear that conventional approaches to IT are not agile enough to deliver on the new outcomes your business needs to thrive. Hewlett Packard Enterprise can help you build your next-generation data center on a converged system architecture that will improve IT agility and drive speed, efficiency, and simplicity, all while reducing risk.

Transforming to the New Style of IT

Your business transformation starts with simplifying and automating as much of your server, storage, and networking infrastructure as possible, creating a **software-defined environment** that frees up resources for new, innovative projects. From there, you can seamlessly transition to a **hybrid cloud delivery** model, which provides cloud economics and agility for a new type of on-premise or cloud-driven IT, enabling you to become a builder and broker of services. Finally, you move away from IT silos to a new level of **convergence**, with blocks of scalable infrastructure that you view as pools of resources; these are optimized for application and workload requirements and can be quickly adjusted to meet your needs. This new approach to the data center delivers your infrastructure-as-a-service (IaaS) vision with workload-optimized systems designed to give you the agility you need to succeed.

Benefits for your organization

HPE ConvergedSystem innovations allow you to be:

- **Fast:** Reduce time to insight and action through automated deployment and provisioning
- **Efficient:** Refocus your investments on innovation—not operations—by lowering the total cost of ownership (TCO) of your general-purpose infrastructure
- **Simple:** Easily stand up and manage net new services

Automation and software-defined templates enhance simplicity: HPE OneView

You can't compete at today's speed and scale with yesterday's management approaches. HPE ConvergedSystem is much more than a combination of compute, storage, and networking components. It's powered by HPE OneView, a fresh take on infrastructure management that brings together your administrators, equipment, and processes to meet the three requirements for a new era of IT management.

A consumer-inspired user experience 	A software-defined architecture 	An open, extensible platform 
<p>Enjoy a user experience driven by the way people expect to work in today's world. HPE OneView enables easy collaboration among IT administrators to increase productivity. The platform is built for scale, so you can achieve the same level of productivity no matter how big your environment grows.</p>	<p>Move away from manual tasks and costly errors and into a world of rapid, repeatable operations. You can deploy resources at the push of a button—repeatedly, reliably, throughout the lifecycle.</p>	<p>Leverage an open development platform backed by an active community of developers and published RESTful APIs. RESTful technology makes it simple to customize and integrate your management platform with other tools, both inside and outside your data center.</p>

Figure 1. HPE OneView: Software-defined management for HPE ConvergedSystem

What is hyper-convergence?

Hyper-convergence is a new IT infrastructure model that leverages the power of software-defined technology to tightly integrate end-to-end compute, network, storage, and management resources. The result is quick deployment, faster response to business demands, simplified administration, and reduced operating costs. HPE Hyper Converged 250 leverages hyper-convergence to bring you new options that are ideal for midsize businesses, remote offices, and branch office locations that want a building block approach to infrastructure.

Simplified deployment of popular applications in virtualized environments

To help you achieve your IaaS vision, HPE Reference Architectures (RAs) are fully tested and validated blueprints to help you simplify and accelerate deployment of your top workloads. HPE RA's are tuned to enhance the performance of a specific application, helping you reduce provisioning time, cost, and errors when deploying new applications. HPE RA's are:

- **Fully tested, validated**—Performance assurance for specific workloads and applications, including Citrix® XenDesktop®, Microsoft Exchange/SharePoint mixed workloads, database consolidation with SQL Server, and more.
- **Built with HPE IP**—Leveraging HPE's proven infrastructure expertise and partner best practices.
- **Workload-specific**—Offering targeted configuration and deployment guidance.

Across both physical and virtual environments and in conjunction with third-party solutions like VMware® vCenter, HPE OneView eliminates complexity to transform the way you manage your infrastructure. HPE OneView converged management radically simplifies everyday tasks, mitigates project risk, reduces operational expenditures (OPEX), and improves agility and efficiency so your IT organization to deliver business value faster, at a lower cost, and with greater consistency and reliability.

Run with confidence: included HPE support

Every HPE ConvergedSystem utilizes HPE Proactive Care to help prevent problems through continuous scanning, dashboard reporting, and personalized consultation. This service helps resolve issues faster with one-stop support from HPE Centers of Excellence and automatic problem reporting, call logging, and parts dispatch.

Purpose-built systems accelerate innovation

The HPE ConvergedSystem approach enables a high-velocity business model that delivers faster time-to-value, reduces costs and risks, and positions you to move toward cloud-based models that increase your competitive advantage. Offerings include:

HPE ConvergedSystem 700 purpose-built for Cloud	Deploy HPE ConvergedSystems 700 purpose built for Cloud, HPE factory integrated in weeks instead of months. Set up IT services in minute, not hours. Integrated with HPE Helion CloudSystem 9.0, workload-optimized system eliminates infrastructure silos for improved efficiency, simplicity and speed.
HPE CloudSystem built on HPE ConvergedSystem 700	Designed for more flexibility, HPE Helion CloudSystem built on HPE ConvergedSystem 700x platform enables you to deploy cloud on your terms. You can integrate this platform within your existing environment or select the hardware components to fit your specific business needs.
HPE Converged Architecture 700	HPE Converged Architecture 700 offerings are modular, repeatable and scalable building blocks designed for workloads. It is infrastructure delivered as one integrated stack by HPE Certified Channel Partners, and with verified reference architectures thoroughly tested by HPE engineering, to save you time and resources.
HPE Hyper Converged 250	A scalable and highly available hyper-converged appliance designed from the ground up to simplify infrastructure to support virtual desktops and a wide range of applications. It enables deployment of virtualized resources in less than 15 minutes. ¹
HPE ConvergedSystem 700 for Citrix XenDesktop	A fully tested and validated reference architecture for supporting thousands of virtual desktop and application users on an integrated system.
HPE ConvergedSystem 700 for VMware Horizon	A fully tested and validated reference architecture for supporting thousands of virtual desktop and application users on an integrated system.
HPE ConvergedSystem 500 and 900 for SAP HANA	These scalable, performance-optimized systems reduce complexity and risk while providing the fastest path to value for SAP HANA. Features include built-in high availability and broad scalability to grow as your data grows.
HPE ConvergedSystem 300 for Microsoft Analytics Platform	Designed to deliver high performance, HPE ConvergedSystem 300 for Microsoft APS is a purpose-built appliance that integrates in-memory performance, SQL Server PDW, and HDI Insight seamlessly into one system. Backed by end-to-end integrations and deployment services, it provides customers with design flexibility for large amounts of data, up to 6 PB.

¹ Based on HPE internal testing, October, 2014.

Developing solutions for major social and environmental challenges
hp.com/hpinfo/globalcitizenship

A New Style of IT ... delivered

Ultimately, HPE ConvergedSystem enables a New Style of IT that is poised to respond faster and more effectively to business needs.

It enables you to:

- Create real insights from data
- Rapidly develop and deliver new apps and services
- Embed security in every customer and employee touch point
- Increase workforce productivity
- Enable anytime/anywhere access to services

² Ninety-six percent reduction in server configuration times based on HPE internal testing as of August 2013, comparing HPE OneView v1.00 vs. traditional HPE management tools, each deploying 16 servers. Test was to configure the networks, enclosure, template, and profiles. HPE OneView takes 14 minutes of admin time vs. 170 minutes with traditional HPE management tools.

³ Sixty-six percent faster problem resolution and 95 percent first time fix rate with Proactive Insight Experience. IDC white paper sponsored by HPE and Intel, "The Business Value of the HPE Proactive Insight Experience," Doc #239199, March 2013.

⁴ Refers to the HPE ConvergedSystem 700. Third-party analysis by ESG comparing the ConvergedSystem 700 to do-it-yourself approach and composite alternative integrated system conducted in December 2014.

⁵ Third-party analysis by ESG comparing the ConvergedSystem 700 to a composite alternative integrated system conducted in July, 2014.

⁶ Fifty percent reduction in tools to learn, manage, deploy, and work together to perform tasks. Based on HPE internal analysis. Testing in May, 2014 compared HPE OneView 110 vs. traditional approach to server and storage management requiring eight tools.

Real business benefits

With HPE ConvergedSystem, you now have the efficient building blocks for providing hybrid IT, enabling you to adapt quickly to market and customer needs. And it maximizes the hybrid infrastructure speed, efficiency, and simplicity of your core infrastructure and operations.

This is the value you can expect from the New Style of IT:

Fast

- Reduce the time to configure, buy, and deploy your solution from months to weeks.
- Provision in just minutes and scale quickly and easily.
- Reduce server configuration times by 96 percent,² and enjoy up to 66 percent faster problem resolution and a 95 percent faster first-time fix rate.³

Efficient

- Increase ROI 315 percent and reduce TCO by 40 percent.⁴
- Realize true business transformation via solution-level lifecycle management and IT process automation.
- Increases the benefits tied to application availability and management efficiencies by up to 26 percent when compared to alternative integrated systems.⁵

Simple

- Simplify ordering, configuring, and deploying with complete systems from a single vendor.
- Reduce the number of tools required to manage your environment by 50 percent⁶ with HPE OneView single-pane-of-glass management, enabling anytime, anywhere data access.
- Designed with strategic partners to be easy to manage and support.

HPE and its partners also offer a range of consulting, integration, and education services to accelerate implementation and adoption of HPE ConvergedSystem.

Ready to get started?

If new workloads and business demands are pushing the limits of your infrastructure, the time for a change is now. Choose HPE ConvergedSystem, and see how fast, easy, and cost-effective change can be.

Learn more at
hp.com/go/convergedsystem



Sign up for updates

★ Rate this document


**Hewlett Packard
Enterprise**

© Copyright 2013–2015 Hewlett Packard Enterprise Development LP. The information contained herein is subject to change without notice. The only warranties for HPE 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. HPE shall not be liable for technical or editorial errors or omissions contained herein.

Microsoft is a trademark of the Microsoft Group of companies. Intel is a trademark of Intel Corporation in the U.S. and other countries. SAP is the trademark or registered trademark of SAP SE in Germany and in several other countries. Citrix and XenDesktop are registered trademarks of Citrix Systems, Inc. and/or one more of its subsidiaries and may be registered in the United States Patent and Trademark Office and in other countries. VMware is a registered trademark or trademark of VMware, Inc. in the United States and/or other jurisdictions.

4AA4-9897ENW, November 2015, Rev. 5