Accelerate virtualization

VMware and HP ProLiant Gen9 servers
Delivering right-fit solutions for the New Style of IT

Ready for a change?

As the global marketplace continues to change, your organization might be ready for something new—like an advanced IT solution that can help you resolve your toughest business challenges, such as:

- Reducing server sprawl
- Lowering operating costs
- Enhancing business continuity

Many organizations find the best way to overcome these obstacles is to virtualize their IT environment. And you can too, with help from HP and VMware.

Together, we can design a new, highly efficient IT infrastructure powered by VMware software running on HP ProLiant Gen9 servers—delivering the right compute for the right virtualization workload at the right economics, every time.

With HP ProLiant Gen9 servers supporting your IT, you can achieve a better virtualization experience through:

- **Integrated lifecycle automation** – HP OneView is fully integrated with VMware vCenter Operations Management Suite to provision, monitor, update, and scale compute, storage, and networking resources—all from the same VMware vCenter console.

- **Dynamic workload acceleration** – ProLiant Gen9 servers converge storage, compute, and I/O to turbo-charge VMware application performance. HP ProLiant Gen9 meets the demands of VMware workloads by delivering a system optimized for solid state disk, built with embedded data protection technologies, and designed with smart data services that analyze workload data in real time to optimize performance and efficiency.

- **Automated energy optimization** – Drive down costs by maximizing the use of space, power, and cooling. With embedded intelligence across three dimensions—sense of location, power utilization, and thermal demand—you gain a unique level of visibility and control over the energy efficiency of your data center.

- **24x7 proactive service and support** – Trust a single source of accountability—HP.

**HP and VMware advantage**

**Time-tested partnership, proven solutions**

If you’re looking for innovative solutions that provide faster time-to-value and lower operational costs, trust the leaders in virtualization and cloud—HP and VMware—to deliver what you need. For more than 14 years, HP and VMware have been delivering the industry’s most complete portfolio of tightly integrated and jointly engineered systems—spanning from the desktop and device to the data center, cloud, and beyond. When you choose a standards-based solution from HP and VMware, your business benefits from:

- Faster application deployment
- Greatly improved performance
- Streamlined operations made possible through automation
- An innovative IT that’s easier to manage and less costly to own

**Meeting the new requirements of the New Style of IT**

**Cloud, mobility, Big Data, and security**

With VMware software running on HP ProLiant Gen9 servers, you can capitalize on these key mega trends, which are generating new business opportunities worldwide.

**Reduced cost of IT service**

Choose a virtualization platform that turns red into black by redefining your compute economics.

**Faster time-to-service**

This compute platform delivers virtualized IT at cloud speed to accelerate service delivery.

**Increased IT service value to the business**

Virtualization-ready compute fast-forwards your organization’s success by boosting business performance.

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of the Fortune 100 and 98 percent of the Fortune 500 run VMware software. In addition, 100 percent of the Fortune Global 100 run VMware software. And more of these companies run their VMware deployments on HP ProLiant servers than any other platform.

Why choose HP and VMware?

Tight integration and management simplicity lead to lower total cost of ownership
Every HP ProLiant Gen9 server includes HP OneView—an advanced management platform that automates the delivery and operations of IT services to transform everyday management of IT resources in physical and virtual environments. Through integration with VMware vCenter Operations Management Suite, HP OneView enables you to take the next step toward a software-defined data center (SDDC). HP OneView integrated with VMware vCenter Operations Manager offers unique capabilities that allow your virtualization administrators to automate control of HP compute, storage, and networking resources without having detailed knowledge of each device.

VMware vSphere Operations Management Suite sets the standard in virtualization management analytics; this innovative solution enables better application performance and availability. VMware vCenter Operations Manager automates management of a broad pool of virtualized data center resources. Combining these VMware solutions with HP ProLiant Gen9 servers and HP OneView, IT management becomes simpler, faster, and less expensive. By automating everyday management tasks, IT administrators have more free time to focus on designing innovative solutions that drive business value.

Innovation and industry leadership
• HP ProLiant servers are the leading hardware platform for VMware-based virtualization,* and they lead the field in performance, value, and scalability.
• HP OneView is the only platform that can provision, monitor, update, and scale resources without having to leave the VMware vCenter Operations Manager console.
• To more rapidly and efficiently respond to business needs, the HP-VMware Networking Solution provides a federated network solution that allows you to:
  – Unify virtual/physical devices to bridge virtual and (bare-metal) physical devices
  – Automate the provisioning of virtual and physical networks in minutes vs. weeks
  – Provide end-to-end network visibility, availability, performance, and troubleshooting
  – Offer investment protection and migration to open, standards-based software-defined networking (SDN) support

Faster time-to-value
• Jointly engineered and tightly integrated end-to-end solutions are pre-tested and certified, and they include integrated services to speed deployment.
• HP and VMware collaborate closely to create solutions that allow you to respond with confidence to the growing challenges of compliance. For example, HP ConvergedSystem 300/700 for Virtualization with VMware provide one system that relentlessly delivers your IT-as-a-Service vision.

* IDC WW FY13Q2 Virtualization Tracker
September 2013

Get the big-time benefits of the New Style of IT
With VMware virtualization software running on HP ProLiant Gen9 servers, you benefit from:
• Lower costs
• Greater agility, simplicity, and speed
• The ability to capitalize on the human experience

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Proven virtualization solutions deliver exceptional results

When the time is right for your organization to begin or expand your virtualization journey, trust the experts to provide a low-risk, low-worry path to success. Depending on your needs, you can choose from the following HP and VMware virtualization offerings—all running on the HP ProLiant Gen9 server platform.

**HP ConvergedSystem 300/700 for Virtualization with VMware** – Taking efficiency to new heights, HP offers an innovative approach to not only virtualization, but also to IT in general. We call the approach ConvergedSystem, and it is making the vision of the SDDC a reality by delivering virtualization, automation, and supporting infrastructure as complete, extremely efficient, all-in-one systems that are quick and easy to buy, deploy, support, and manage.

The HP ConvergedSystem for Virtualization with VMware models are part of the ConvergedSystem family. These systems are purpose-built building blocks designed for speed and efficiency. With HP ConvergedSystem for Virtualization with VMware, you can redefine your return on investment, so you can efficiently take a bite out of operational costs, greatly reduce downtime, and proactively avoid errors. A ConvergedSystem for Virtualization with VMware can be managed as one—with a common management platform across servers, storage, and networking, delivered by HP OneView integrated with VMware vCenter Operations Management Suite. To eliminate many manual operations and device-focused processes, OneView integrated with VMware vCenter Operations Manager features robust IT analytics, automated processes, deep system monitoring, configuration management, and capacity planning capabilities.

**HP Flex-Bundles with VMware vSphere with Operations Management** – These complete virtualization packages include everything mid-market to commercial companies need to get started with virtualization quickly and affordably. Together, HP and VMware help you jump-start your virtualization journey with simplified solutions that are predefined and validated, yet flexible enough for you to choose a solution that meets your application availability and capacity needs.

**HP CloudSystem with VMware virtualization** – As part of the HP ConvergedSystems portfolio, HP CloudSystem with VMware virtualization can make your cloud journey easier, more efficient, and more cost-effective. This comprehensive solution provides faster time-to-value with pre-integrated solutions that include HP ProLiant Gen9 servers, HP Storage solutions, HP Networking, VMware software, and cloud management.

**HP Mobile Care Reference Architecture with VMware AlwaysOn** – This high-availability mobile healthcare solution utilizes virtual desktop technology. A blueprint for a follow-me virtualized desktop infrastructure, this solution helps healthcare providers improve patient care while simplifying the deployment of a reliable, mobile IT infrastructure featuring tap-and-go single sign-on. While this reference architecture (RA) is specifically tailored for healthcare, it can be modified to meet the needs of companies operating in other industries as well.

Learn more at: hp.com/go/VMware