

A Complete Client Virtualization Solution

AT A GLANCE

We live in the continuous now, where everyone expects to get whatever information they want, instantly, and through any device. But how do you achieve instant access while ensuring greater security, compliance, and cost control?

It's simple. Unlock data and applications from client devices and guard them in the data center for greater simplicity, optimization, and flexibility.

HP and VMware offer an end-to-end, fully tested and optimized Client Virtualization Reference Architecture for rapid installation and seamless ongoing operations. You can use it to liberate your users from their desktops, while reducing costs and improving security, compliance, and business continuity throughout your organization.

Key Benefits

- **Standardize on a common virtualization platform** across your data center
- **Provide an always-on desktop experience** by extending business continuity and disaster recovery to your client infrastructure
- **Reduce desktop TCO by up to 50%¹** with simplified and integrated management for client systems and data center infrastructure
- **Deliver a consistent, high-quality desktop experience** across users, locations, and devices, even for 3D applications
- **Improve security and compliance** by centrally storing and managing end-user data
- **Simplify deployment and achieve rapid ROI** with a proven reference architecture based on industry-leading VMware and HP technologies

The Desktop Challenge

When it comes to the desktop, IT organizations are caught between two opposing requirements. Users want the freedom to access their data and applications anywhere, and from any device, so they can be more agile, productive, and responsive. Yet delivering this level of flexibility to hundreds or thousands of users creates serious new concerns for the business in terms of cost, complexity, manageability, and security.

With traditional desktop delivery, there's no way to satisfy both requirements simultaneously, because increasing the quality and flexibility of the end-user experience leads invariably to increased cost and risk.

A Game-Changing Solution

Desktop virtualization with VMware® View™ solves these challenges by decoupling applications, data, and operating systems from endpoints to enable centralized management and security, with flexible delivery of personalized desktops across users, devices, and locations.

Together, HP and VMware have created a complete Client Virtualization Reference Architecture that capitalizes on the strength of a nearly decade-long relationship. It offers simplicity, with an integrated data center solution that provides an optimized combination of compute, store, networking, and system management. This fully tested solution can be deployed quickly, managed efficiently, and easily scaled up or out as your business requirements dictate.

A Powerful, Flexible Foundation

VMware View is built on the industry-leading VMware® vSphere™ virtualization platform, providing unparalleled performance, scalability, reliability and availability for virtual desktop environments. That means your organization can standardize on a common platform for your entire IT infrastructure, from the desktop to the data center to the cloud.

The complete reference architecture is a blueprint for HP VirtualSystem for VMware VS2, a strategic portfolio of infrastructure solutions, which serves as the foundation for your virtualized workloads. Based on HP Converged Infrastructure (CI), HP VirtualSystem utilizes market-leading capabilities from VMware to centralize administrative tasks, improve scalability, optimize workloads, and reduce complexity.

The solution includes the flexible HP P4800 G2 SAN Solution for BladeSystem, delivering storage that's fine-tuned for client virtualization. Through a tight integration with HP BladeSystem, it offers a highly dense storage solution that dynamically scales as infrastructure expands. HP Virtual Connect Flex-10 and Flex-NICs dramatically simplify network infrastructure from the server to the core, eliminate rack switches, and make network setup and monitoring a breeze.

The HP BladeSystem can be configured with your choice of HP ProLiant blade servers, which are among the most energy-efficient x86 servers in the industry. They deliver double the performance of previous generations along with embedded technologies and flexible tools to boost server infrastructure productivity, utilization, availability, and manageability.

An End-To-End Solution

The HP and VMware reference architecture includes management software, such as HP Insight Control for VMware® vCenter™, which provides administrators with deep insight and complete control of their VMware physical and virtualized infrastructure.

HP also offers a comprehensive suite of client virtualization planning, design, and implementation support to help you assess your business needs, develop a strategic technology roadmap, and design, migrate, and implement a robust and productive client virtualization solution.

If you're ready to enable your Instant-On workforce with access to their applications and data—any time, anywhere, from a variety of devices—contact your HP sales representative or local solution provider. They'll meet with you to analyze your needs and propose a configuration that makes sense for your organization and budget.

HP Solution Components

HP ProLiant BL460c G7 Server

- Offer not only high user counts per host, but also incredible density, which is far more important in optimizing power, efficiency, and management
- Combine energy-efficient components, compute power, and high density with expanded memory and I/O for maximum performance

What's New in VMware® View™ 5?

- **3D Graphics Support** without the cost of additional hardware.
- **Efficient Persona Management** to preserve user settings and data while reducing cost and complexity through stateless desktops.
- **Unified Communications Integration** with VoIP support from Avaya, Cisco, and Mitel.
- **75% bandwidth improvement**, plus simplified roaming and enhanced session management, using PCoIP optimization controls.
- **Enhanced security** with a flexible, configurable, browser-based security model.

HP P4800 LeftHand G2 SAN for BladeSystem

- Tightly integrated with HP BladeSystem and fine-tuned for client virtualization
- Dynamically scales as infrastructure expands
- Network convergence of the virtual server and SAN are provided by 10Gb Ethernet and HP Virtual Connect Flex-10
- High-speed storage paths, dense disk spindle counts, and no external storage switching
- One administrator can manage the entire infrastructure stack
- All SAN built-in software features include Network RAID for high availability, snapshots, remote copy, and thin provisioning

HP Insight Control for VMware® vCenter™

- Delivers total control, maximum flexibility and tangible savings with time-smart management software for HP ProLiant servers operating in VMware vCenter environments
- Close collaboration brings together the best HP and VMware management environments, providing virtualization administrators with deep insight and complete control of their virtualized infrastructure
- Augments the capabilities of VMware vCenter, providing virtualization administrators with unparalleled visibility and control of servers

HP Solution Support for Client Virtualization

- **HP Client Strategy Services** helps you devise strategy, understand the business value, and identify the right architecture
- **HP Client Migration Services** helps you manage the transition globally to Microsoft® Windows® 7
- **HP Client Virtualization Assessment** helps you lay the foundation for a successful implementation by providing an accurate picture of the application and resource usage of your existing desktops, including CPU, memory, and disk I/O (HP provides detailed pre-virtualization analysis, modeling, and planning support).

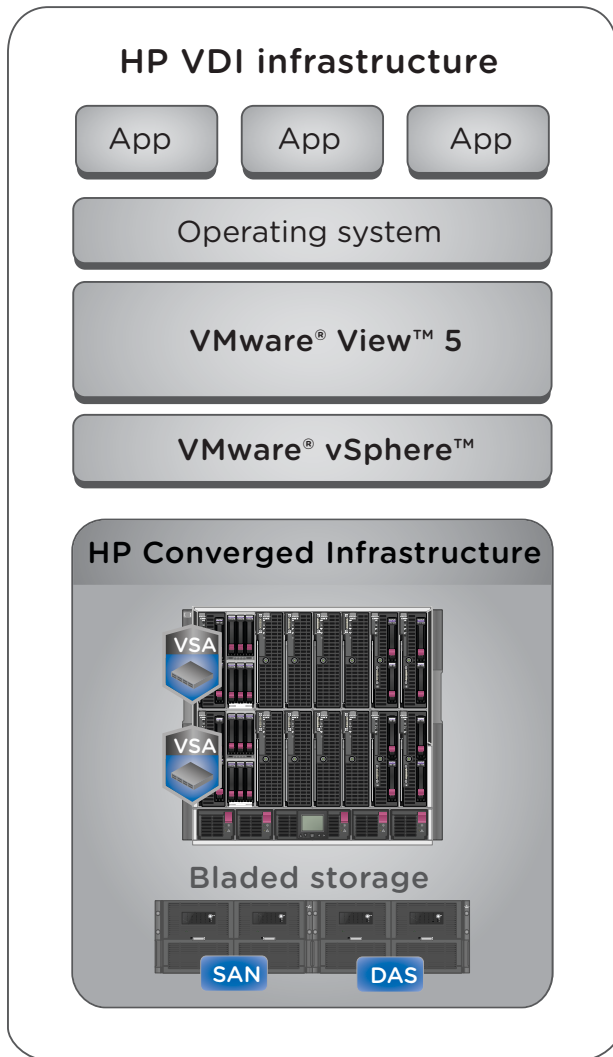
VMware and HP: Better Together

HP is a VMware Global Technology Alliance Partner across servers, storage, networking, and technology services—and an original equipment manufacturer of VMware software. HP and VMware engineering and technical marketing teams work together to certify and integrate joint solutions and produce complete reference architectures for our customers.

Find Out More

To learn more about HP and VMware client virtualization solutions, contact your HP sales representative, local solution provider or visit <http://h18004.www1.hp.com/products/servers/software/vmware/virtualization/vdi/index.html>

To learn more about VMware View, call 1-877-VMWARE (outside of North America dial +1-650-427-5000) or visit www.vmware.com/products. For detailed product specifications and systems requirements, please refer to the VMware View documentation.





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¹IDC Research, "Quantifying the Business Value of VMware."

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