

HP Client Virtualization with VMware View

Simplify desktop management, reduce costs, and increase control for IT

Solution brief

To paraphrase an old saying: there are so many client devices in your extended work environment, and so little time for your desktop administrators to manage them. All of those desktops, laptops, and handhelds containing proprietary data not only raise significant security issues, but they're running up excessive support costs as well. And then there's the matter of upgrading them to Microsoft® Windows® 7. Not only is there no direct upgrade from Windows® XP, but there are potential challenges around application compatibility and how to effectively deploy and manage all of the new images.

A scalable solution to meet future requirements—and it's ready to implement today

Considering a client virtualization implementation? Only HP offers you a unique, end-to-end perspective when it comes to technology and services. By deploying HP Client Virtualization with VMware View, you can simplify desktop management and reduce costs, improve data protection, and promote compliance throughout your client environment—all while maintaining a high-performance end-user experience. Running desktops in virtual machines hosted in the data center enables simpler client provisioning, administration, and service while promoting greater security and business continuity. HP Client Virtualization with VMware View lets you provision, upgrade, and manage virtual desktops and applications centrally with just a few clicks of the mouse.

This comprehensive, end-to-end solution consists of:

- **HP BladeSystem**—With low power consumption, integrated management, and a large memory footprint, HP BladeSystem is an efficient virtualization platform that can help you reduce your total cost of ownership (TCO) by up to 41%¹. Plus, you can add servers quickly with HP Virtual Connect technology. HP Virtual Connect Flex-10 10Gb Ethernet Module is the first interconnect technology that can allocate 10Gb Ethernet ports across 4 NICs.
- **HP StorageWorks**—Choose an efficient SAN storage solution certified with VMware that properly supports the advanced requirements of client virtualization. The HP StorageWorks P4000 G2 SAN eliminates single points of failure across the SAN with an innovative approach to application data availability, reducing risk of downtime without driving up costs. Built on a storage clustering architecture, the P4000 G2 SAN scales capacity and performance linearly without incurring downtime or performance bottlenecks, or forcing expensive upgrades. HP StorageWorks Enterprise Virtual Array (EVA) is powerfully simple enterprise-class storage. The EVA allows you to use the power and speed of all your drives by spreading data across all the disks in the storage array, and the EVA's ease of management using HP StorageWorks Command View Software results in less time spent on maintenance and administrative intervention.
- **HP Thin Clients**—HP is the #1 thin client vendor in the world, offering you a choice of multiple operating systems as well as the most diverse thin client lineup—all certified by VMware. Plus, the savings on client management, break/fix, and power consumption (compared to a typical desktop) lead to a dramatically lower TCO. Be sure to see the new lineup powered by Intel Atom processors.
- **VMware View**—VMware provides the industry's only end-to-end integrated solution built for delivering desktops and applications as a managed service. It lets you: 1) standardize on a common platform—from the desktop through the data center to the cloud; 2) mitigate risks; and 3) accelerate your time to value. The VMware View solution lets your IT staff centrally provision, deploy, and manage virtual desktops and applications while providing end users with a rich user experience across boundaries. According to a recent IDC study¹, VMware View customers lowered their total cost of ownership by 50%, resulting in an average savings of \$610 per user per year.
- **HP Insight Control for VMware vCenter Server**—The HP Insight Control extension for VMware vCenter Server delivers powerful HP hardware management capabilities to your virtualization administrators, enabling comprehensive monitoring, remote control, and power optimization directly from the VMware vCenter console.



- **HP Client Automation Management Software**—HP offers a comprehensive suite of tools that manage the complete client virtualization environment—including thin clients, the virtual client infrastructure, and even traditional PCs—so you can avoid the additional complexity and cost that other solutions may require. In fact, the tools are designed so that your IT staff does not need to learn virtualization tools or coordinate with data center administrators.
- **HP Services**—HP virtualization services cover the full virtualization lifecycle, leveraging best practices to help you plan the virtualization roadmap, build the business case, engineer and tune the solution, transition to production, and improve service levels.

Explore HP Client Virtualization with VMware View to enhance your business

HP Client Virtualization with VMware View allows you to:

- **Streamline management**—Your desktop administrators need only leverage a single centralized management console to provision and update users—making administrative tasks as easy as a few clicks of the mouse.
- **Lower costs**—HP Client Virtualization with VMware View allows you to reduce your desktop TCO by up to 50%². Centralizing your desktops in the data center reduces your infrastructure investment and frees your IT resources from the burden of desk-side support calls locally or remotely.
- **Enhance security**—Threats to data security are reduced because you maintain all of your data within the corporate firewall.
- **Achieve reliable business continuity and disaster recovery**—Enterprise hardware and virtualization software provides higher levels of desktop and application availability, while automated desktop backup and recovery becomes a business process in the data center and is not left to the discretion of the client owner.

- **Improve end-user flexibility**—For your users, a virtual desktop means they can access their applications and data—anytime, anywhere—from a variety of devices.

Tested, proven reference architecture simplifies deployment

The HP Client Virtualization reference architecture for VMware View simplifies implementation and deployment because of its self-contained, modular approach. This is a highly scalable and reusable solution that can meet your immediate requirements. The reference architecture has been tested, tuned, and documented, so you will achieve greater price/performance, reduced complexity, and predictable performance per user.

The reference architecture provides:

- A proven starting point, reducing risk
- Simplified ordering and implementation
- Tuned configurations for predictable performance
- Best practices for increased user productivity
- Optimized price/performance to reduce acquisition costs
- An integrated infrastructure and client management to help you achieve the highest number of servers/clients per administrator

For more information

To help you determine if HP Client Virtualization with VMware View is the right solution for you, we invite you to engage with HP Client Strategy Services.

To learn more, please contact your HP representative or visit the client virtualization website:

www.hp.com/go/clientvirtualization

¹ IDC report, "Return on Investment: Migrating to Blade Servers," January 2010

² "Quantifying the Business Value of VMware View," IDC Research, September 2009

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