

# HP Client Virtualization with VMware View™ for the Financial Services Sector

Secure and protect your data and IP while reducing costs

Solution brief

At a time of unprecedented change for the financial industry, CIOs and IT departments need to find ways to balance multiple objectives: maximize return, mitigate risk, improve performance, and increase agility and availability. In addition, financial institutions like yours are facing increased security concerns brought on in part by the growing number of remote workers accessing data from notebooks and other remote devices. In many cases, this includes offshore workers with access to your firm's critical intellectual property (IP).

Financial firms and institutions are looking for IT solutions that help them solve a wide range of business-critical challenges. The HP portfolio of Client Virtualization solutions with VMware View can help you achieve the objectives that financial firms need today. In addition, it can help you use your IT to add value for your customers.

## How HP Client Virtualization with VMware View benefits financial services enterprises

HP Client Virtualization with VMware View benefits financial enterprises because it centralizes desktops and data, keeps IP in house, increases data security, helps meet compliance needs, increases the availability of desktop applications and data, and reduces management costs. It also lets IT centrally provision, upgrade, and manage virtual desktops and applications with just a few clicks of the mouse.

Because your data and applications are centrally stored in one location, HP Client Virtualization with VMware View offers the following advantages to financial services institutions:

- **Rigid data protection and compliance with data privacy standards**, because sensitive data is more secure in the data center—yet more easily archived and retrieved by authorized personnel
- **Dramatically reduced risk of IP loss**, by keeping IP in your data center and centrally controlling access to those resources by remote, outsourced developers
- **Significantly lower support costs** in remote and branch offices by centrally provisioning and managing desktops, applications, and data without the need for local infrastructure or IT staff

- **Ease of management** and greater control from a single management console, reducing your desktop TCO by up to 50%<sup>1</sup>
- **Higher availability and business continuity** for transaction employees, meaning less downtime and better customer satisfaction
- **Lower power costs**, helping improve the bottom line—as well as the environment

## A comprehensive, simplified, end-to-end solution

HP Client Virtualization with VMware View consists of:

- **HP ProLiant BL460c server blades with Intel® Xeon® processors and HP BladeSystem enclosure**—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%.<sup>2</sup> Plus, you can add servers quickly with HP Virtual Connect technology.
- **HP StorageWorks P4000 SAN**—Choose an efficient SAN storage solution certified with VMware that properly supports the advanced requirements of client virtualization. The P4000 G2 SAN eliminates single points of failure across the SAN with an innovative approach to application data availability, reducing the 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. HP StorageWorks Command View Software provides ease of management, resulting in less time spent on maintenance and administrative intervention.
- **HP Thin Clients with Intel Atom N280 processors**—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 much lower TCO.

- **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) mitigate risk by standardizing on the leading cloud computing platform; 2) simplify and automate management; and 3) deliver a flexible end-user experience. 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 locations and devices. According to a recent IDC study,<sup>1</sup> VMware View customers lowered their TCO by 50%, resulting in an average savings of \$610 per user per year.
- **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 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.

## 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 can achieve a faster time to value with your virtual desktop deployment.

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, HP invites you to engage in a proof of concept based on the reference architecture at an HP Solution Center.

To learn more, please contact your HP sales representative or visit:

[www.hp.com/go/clientvirtualization](http://www.hp.com/go/clientvirtualization)

<sup>1</sup> "Quantifying the Business Value of VMware View," IDC Research, September 2009

<sup>2</sup> IDC report, "Return on Investment: Migrating to Blade Servers," January 2010

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