



Hewlett Packard
Enterprise

Brochure

Access of Secure Patient Records

HPE Client Virtualization for healthcare



Improve caregiver productivity—and deliver timely, quality care—with personalized follow-me workspaces that cut costs, complexity, and risk.

Boost efficiency

Provide quick access to the data and applications staff need to do their jobs—where and when they’re needed.

Simplify collaboration

Enable clinicians, administrators, and operations to share information in real time.

Strengthen security

Eliminate complex passwords and keep PHI in the data center, not on multiple devices.

Save money

Slash end-user device, management, and support costs.

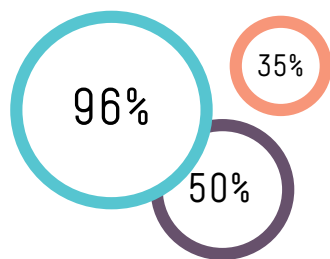


Figure 1: The economics of HPE Client Virtualization solutions

96 percent faster configuration time¹

50 percent fewer tools needed to manage your environment²

35 percent reduced TCO³

¹ IDC white paper: “Measuring the Business Value of Converged Infrastructure in the Data Center,” December 2014

² Based on HPE testing in May 2014 comparing HPE OneView 1.10 versus the traditional approach to server and storage management requiring eight tools

³ ESG white paper: “Analyzing the Economic Value of HPE ConvergedSystem 700 in an Enterprise Environment,” December 2014

Accelerate healthcare mobility, optimize workflow

The shift to a value-based model in healthcare is causing providers to rethink how they can better improve the quality of patient care and preventative health maintenance while increasing revenue and reducing costs.

Many are looking to mobility and workflow-optimization strategies. The promise of smartphones, tablets, and other client devices to improve the efficiency and efficacy of healthcare is great. But while personal devices can improve individual productivity and provide access to critical information and tools at the point of care, they also pose challenges for healthcare organizations.

Aging legacy infrastructures were not designed to handle the influx of mobile devices, nor were they designed to handle high volumes of traffic or accommodate services that today’s mobile apps deliver. How do you secure data on a growing number of diverse devices? How do you reconcile multiple versions of information and files on different devices that can increase the risk of medical error? How do you meet the needs of different types of users with varying app requirements while ensuring self-service workflows for uninterrupted care delivery?

Client virtualization

Many healthcare organizations are using client virtualization to address these issues. Besides reducing institutional cost, risk, and complexity, client virtualization simplifies and speeds secure access to actionable data wherever and whenever needed. Staff members are served their personalized workspaces on the appropriate mix of mobile and fixed devices needed to do their work—and can even have sessions follow them from one device to another. Patients and their families gain access to patient applications on their own devices across the healthcare network.

Because everyone shares the most up-to-date information, collaboration is simplified, workflows are integrated, and caregivers are freed to focus on patients and the tasks at hand—not technology.

User-centered strategy

Successful client virtualization starts with the move from a device and technology-driven approach to one centered on user experience.

Optimizing individual and team productivity takes understanding preferences, tasks, workloads, and workflow. Some staff need to access only a limited set of applications; others need a wide range of applications. Physicians, for example, might access everything they need through their own personal mobile devices, while nursing staff may use a combination of mobile, shared, and bedside devices during their shifts. Still others, such as lab technicians and pharmacists, will need specialized devices that enable them to do tasks such as viewing medical images or managing medications.

Delivering the customized, virtualized workspaces that enable staff to do their work requires integrated solutions from multiple vendors—all running on well-managed datacenter infrastructure with persistent performance and reliability.

“Hewlett Packard Enterprise meets KishHealth System’s needs with a solution that improves the quality and efficiency of our services with always-on secure systems that ensure the right information is always available to our physicians and the entire clinical team.”

– Jeff Reifsteck, Technical Operations Manager, KishHealth System

HPE Client Virtualization for healthcare

Enable access of secure patient records and accelerate the delivery of customized, virtual workspaces on all types of mobile and fixed client devices for all types of staff with HPE Client Virtualization for healthcare solutions.

Hewlett Packard Enterprise combines decades of experience in healthcare with advanced, proven infrastructure, strategic partnerships with other leading solution providers, and expert consulting, integration, implementation, and support services.

We can help you devise and implement the right client virtualization solution to empower your entire healthcare workforce and deliver patient-centered services that help improve quality of care.

- 24x7 access to patient information, actionable data, and medical apps where and when needed
- Mobile single sign-on access to EHRs and PACS
- Increased caregiver productivity through end-user mobility and tap-and-go simplicity
- Industry-leading security to minimize risk and assist in meeting regulatory requirements



HPE ConvergedSystem 700

The right infrastructure

Deploy and manage a virtualized client environment with one fully integrated, and pretested solution. HPE ConvergedSystem for Virtualization deliver the performance and reliability needed for productive virtual work sessions on all kinds of client devices. Choose from the following:

- **HPE ConvergedSystem 700 (CS700)** provides a tightly integrated, workload-optimized system with a shared storage array, centralized management, greater flexibility, and the ability to repurpose existing hardware.
- **HPE Hyper Converged 250 (HC 250)** is a hybrid infrastructure natively integrating compute and storage into a single x86-based server for the fastest way to a virtualized environment. With 5 minutes of keyboard input and 10 minutes of automated setup, the HPE HC 250 can scale to suit any size healthcare organization needing a fast, simple, and efficient client virtualization solution.
- **HPE Moonshot for Hosted Desktops** dramatically improves security and compliance by centralizing desktops, data, and applications in the data center while cutting TCO by up to 44%.



HPE Hyper Converged 250

The right architecture

Reduce the time, risk, and complexity of implementing health system solutions by using a proven architecture. HPE Reference Architectures (RA) combine infrastructure, endpoint devices, and software from industry leaders to help you more quickly and confidently deploy customized solutions to meet your precise needs.

The right partners

HPE has long partnered with leaders in healthcare solutions such as Cerner, MEDITECH, Epic, and Allscripts. Now HPE is partnering with VMware®, Citrix®, and Microsoft® to provide integrated client virtualization solutions to save you time, money, and effort. Today, a sizable percentage of the world's client virtualization deployments run on HPE platforms.

Streamline the implementation of wireless point-of-care decision support with HPE in combination with healthcare WLAN provider Aruba. Used by thousands of hospitals, Aruba mobility infrastructures offer fast, secure, and reliable Wi-Fi, smart policy management, enforcement based on user roles, and mobile engagement that improves the healthcare experience of patients and practitioners.

Offer secure, simplified access by authorized users across the healthcare network on all client devices by incorporating proximity-badge access control from HealthCast and single sign-on (SSO) software provider Imprivata.



HPE Moonshot System

Start now

HPE is ready with everything you need to put client virtualization to work in your healthcare organization. Take advantage of proven HPE methodologies, tools, and services to guide and accelerate the transition to client virtualization in your health system today.

User-experience analysis and modeling

Gather data about users and applications combined with analysis and modeling to segment users and understand task, workload, and workflow requirements to properly size and plan for virtualization.

Transformation Experience Workshop

Clarify objectives and scope the impact of virtualization on operations and underpinning infrastructure.

HPE Advanced Client Virtualization Services

Reduce the risk, cost, and effort of designing, implementing, and transitioning to a customized client virtualization solution to meet your unique needs.

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⁴ Rated the top security vulnerability research organization four years in a row by Frost & Sullivan (2011, 2012, 2013, 2014).



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PHASE 1

User analysis and modeling

Tool-based user segmentation and modeling

HPE Converged System and RA

Cross-vendor and third-party integration

PHASE 2

Client virtualization services

Design

Build

Pilot

Migrate and deploy

Support

Figure 2: HPE services approach for your customized virtualization solution

The right expertise

Leverage HPE consultants' years of experience and expertise gained in cross-vendor design, integration, and delivery in healthcare environments. HPE teams have delivered client virtualization pilots and solutions to more than 500 companies and deployed global client virtualization solutions with over 50,000 users.

Enable and manage your increasingly mobile workforce by relying on a long heritage of industry-leading infrastructure innovation, performance, and reliability. HPE is also a recognized expert in information security solutions. We understand and can help assist you in complying with HIPAA, HITECH, and other regulatory requirements in virtualized client environments.

From HPE cloud-based IT management tools with an easy-to-use dashboard for monitoring remote mobile devices, to more automated management, HPE can help you manage your environment to protect data and ensure maximum performance, while gaining operational efficiencies and cutting costs.

The right services

Implement your client virtualization solution, and keep your end-to-end multi-vendor environment up and running with a wide range of local and global services. HPE offers the right level of service and support for better control and endpoint security with improved user experience.

Why Hewlett Packard Enterprise

- Fully integrated, pretested infrastructure
- 50+ years delivering solutions to the healthcare industry
- Recognized leader in information security solutions and software⁴
- Complete, end-to-end client virtualization solutions, built with best-of-breed technology, services, and partners to reduce cost, risk, and time to implement

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