HPE SYNERGY FOR HEALTHCARE

Client virtualization

HPE Synergy—Using technology to ensure health information is accessible when and where it matters most.

This HPE solution enables caregivers to enjoy higher availability of GPU-intensive applications:

- **Highest user density** for client virtualization (CV) and server-delivered applications
- **More CV sessions per rack** for electronic health records (EHRs) than any other solution today[2]
- **Support for 165 users** on a single HPE Synergy 480 Gen10 Compute Module[3]
- 38% higher scaling[3]

TODAY'S HEALTHCARE CHALLENGES

Around the globe, healthcare organizations are constantly seeking new ways to achieve their number one priority: to provide the best possible patient services.

To meet this top-of-mind concern, healthcare providers and payers need modern systems. Enabling a new generation of clinical applications—and exceeding the expectations of the next generation of care givers—requires a secure and efficient digital foundation to build upon.

INTEGRATING DATA ACROSS THE CONTINUUM OF CARE

As the industry moves toward the new model of integrated care, providers need not just a web of connections extending from the patient's smartphone app to pharmaceutical companies and insurance carriers, but also robust IT infrastructure solutions that can flex to meet growing data needs within the hospital.

From diagnosis through treatment and discharge, information and analytics are the lifeblood of healthcare. As we look forward, healthcare will become increasingly information based.

SECURING PATIENT DATA

The healthcare industry is no stranger to information security. Healthcare data must be protected and shared in a safe way while remaining compliant with local laws and regulations that vary by geography.

Protecting patient data also includes maintaining a pulse on the latest technological advancements to defend against ever-evolving cybersecurity threats while also safeguarding existing legacy systems.

DELIVERING QUALITY CARE WITH BETTER ECONOMICS

According to the World Health Organization, 20–40% of all healthcare spending is inefficiently utilized.[1] Digital solutions can help alleviate this massive (and unnecessary) wastefulness.

In today's connected world, new innovations continue to emerge—helping reduce costs, lower stress, and streamline tasks while improving the overall patient and caregiver experience.

[1] WHO, World health report 2010: Health systems financing

[2] Based on HPE Synergy compute density per rack.

[3] HPE Synergy performance testing of Citrix® XenApp® 7.17 with GPU-enabled hosted shared desktops supported 165 users, compared to hosted shared desktops with 119 users and no GPU on a single HPE Synergy 480 Gen10 Compute Module—exhibiting up to 38% higher scaling. HPE Reference Architecture for Citrix XenApp on HPE Synergy Platform.

HPE—AT THE FOREFRONT OF TODAY'S HEALTHCARE

As trusted digital healthcare experts, HPE understands today's challenges and has the products, services, and partnerships to help you overcome them.

One such product is HPE Synergy—a uniquely composable, bladed infrastructure that offers outstanding value in terms of flexibility, security, and performance. HPE Synergy, powered by Intel® Xeon® Scalable processors delivers a superior client virtualization experience with tailored solutions that enable healthcare providers to enjoy higher availability of GPU-intensive applications, while also cutting costs and maintaining high levels of security.

MAXIMIZE FLEXIBILITY

With one platform for every workload and season

HPE Synergy's composable architecture gives healthcare providers the ultimate flexibility to maintain a variety of workloads on a single platform, as well as scale to meet greater demand during seasons of increased usage. HPE Synergy is designed to compose and recompose assets in a matter of minutes—enabling new levels of speed and efficiency. For example, you can spin up new workloads such as SAP HANA® or Oracle Database 12c in less than 5 minutes.[4, 5] When paired with HPE GreenLake, a consumption-based IT model, healthcare organizations can also seamlessly scale with pay-as-you-go economics.

HPE Synergy includes a unified infrastructure management platform—HPE OneView—which provides a single unified interface for managing servers, storage, and networking in a software-defined data center. With built-in HPE OneView, IT managers can now enjoy a greatly simplified management experience.

END-TO-END SECURITY

To safeguard patient data and comply with regulations

In the heavily regulated healthcare environment, keeping up with new cyberthreats and prevention initiatives is critically important.

HPE joins industry-leading infrastructure with expert technology services to provide integrated, end-to-end resilience and risk reduction from the data center to the cloud. Together with our trusted network of partners, HPE Synergy provides a foundation of innovative security features that goes beyond perimeter protection—arming your systems to prevent, detect, and recover from threats.

Trust HPE Synergy to deliver the exceptional performance and secure silicon you expect from the worlds' most secure industry-standard servers.[6]

DO MORE WITH MORE

Through better performance and acceleration

Working in concert with solutions from Citrix and VMware®, HPE Synergy with Intel Xeon Scalable processors can deliver and manage published applications with local desktop-like performance from the data center to almost any device, anywhere. HPE Synergy's Client Virtualization solution provides a seamless, consistent experience across devices, even as caregivers move to different rooms within a facility. With a virtualized client environment, your data can follow you—effortlessly—even as you switch devices.

In typical environments, every user is assigned a desktop with dedicated resources, including GPUs. In an HPE Synergy Client Virtualization environment, GPU resources can be virtualized for better resource utilization and an improved overall user experience. HPE Synergy also delivers cost efficiencies, with up to 32% lower TCO.[7]

LEARN MORE AT

hpe.com/info/healthcare

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[4] HPE Internal Testing performed in May 2018.

[5] Internal HPE testing. HPE Reference Architecture for deploying Oracle 12c with HPE Synergy Image Streamer, February 2017. 3 minutes deployment time applies to OS deployment using Image Streamer without firmware updates or BIOS changes.

[6] Based on an external firm conducting cybersecurity penetration testing of a range of server products from a range of manufacturers, May 2017.

[7] Based on the HPE Synergy Sales Business Value Calculator (TCO/ROI), 2019.

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