



GreenLake Flex Solution built for Advanced Patient Care with Sickbay

Deploy an on-premises solution for operating the Sickbay Clinical Platform from Medical Informatics Corp.

HPE can provide the highly available and secure IT infrastructure needed for the Medical Informatics Corp. (MIC) Sickbay Clinical Platform. This GreenLake Flex Solution brings healthcare institutions a pay-per-use* cloud experience in their own data center or co-location facility, bringing uncompromising operational efficiency, performance, and security.

HPE and MIC

HPE and MIC are working together to deliver a high-performance patient monitoring solution with the Sickbay Clinical Platform. The solution leverages the benefits of an as-a-service model with HPE infrastructure to meet the needs of hospital systems, up to the largest multi-site campus.

The challenge

Healthcare patient data needs to be efficiently captured from bedside devices, integrated and analyzed, and outputs accessed centrally to ensure continuous visibility and high-quality care. Data collection efficiency and analysis are vital; patient data needs to be accessible and managed 24x7, with proactive growth management as requirements evolve.

Medical Informatics Corp. has developed the Sickbay solution, enabling near real-time data streams to be analyzed efficiently from different patient devices with one centralized interface. The rapid growth in patient data and interface requirements with other systems, such as electronic health records and medical imaging, places ever-greater demands on healthcare IT infrastructure. This solution offers a high-performance cloud model to meet these requirements, with scalable, secure operational efficiency across sites with 24x7 availability, helping healthcare providers to focus on monitoring for patient care, while optimizing their IT budgets.

* May be subject to minimums or reserve capacity may apply



The solution

Bring an on-premises cloud experience to the Sickbay Clinical Platform

HPE offers a comprehensive on-premises as-a-service solution, designed with the hardware and software infrastructure needed to satisfy the demands for operating the Sickbay software platform at scale.

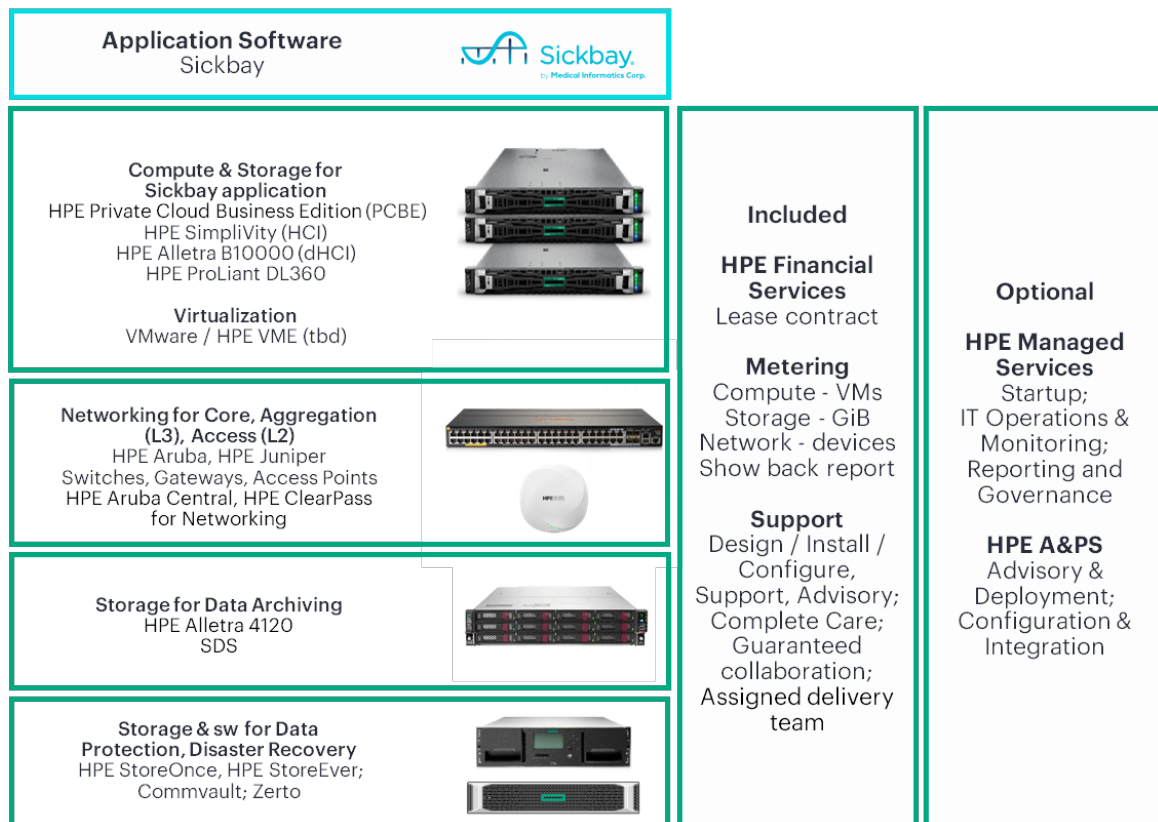
Healthcare institutions can now make the most of their IT infrastructure investments: gaining performance, scalability, and agility, redistributing the burden of operating IT, and paying only for the resources they consume.

Cost efficiency with pay-per-use* model: Healthcare providers benefit from a flexible, pay-per-use* cloud model, which allows them to scale resource capacity on demand, helping minimize up-front capital expenditures. This helps providers optimize IT budgets while focusing on patient care.

Enhanced agility and operational flexibility: This solution offers the agility of a public cloud while maintaining control within the organization's own environment. This enables healthcare providers to adapt quickly to changing needs, such as increasing patient data volumes or regulatory updates, without compromising performance or security.

Improved system uptime and reduced risk: The solution helps ensure healthcare providers can access critical patient records without disruptions. Improved system uptime helps enable continuous access to patient records and helps ensure the regulatory compliance needed for mission-critical environments, such as the Sickbay Clinical Platform.

As shown in Figure 1, in the GreenLake Flex Solution built for Advanced Patient Care with Sickbay, HPE can deliver the full hardware and software platform, including the servers, storage, and network infrastructure, required to operate the latest Sickbay software.



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Figure 1. Solution architecture

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GreenLake Flex Solutions include proactive support and reporting with an assigned HPE delivery team for consumption analytics, capacity planning, and an accelerated support experience. HPE also offers a managed service option, with additional professional services available.

HPE Private Cloud Business Edition and HPE Aruba Networking Central, both on GreenLake, bring unified management and deployment of the compute, storage, and networking devices in the solution. Medical Informatics Corp. has validated the HPE systems as a mission-critical infrastructure for operating the Sickbay solution.

Medical Informatics Corp. delivers the Sickbay software and its associated services to customers.

Key benefits

HPE helps ensure healthcare providers can operate the Sickbay platform with a highly available and efficient infrastructure. A flexible, pay-per-use* model enables scaling of IT resource capacity based on demand, adapting quickly to changing needs, without compromising performance and security. This GreenLake Flex Solution enables Healthcare providers to focus on analysis of patient data from multiple systems, while optimizing their IT budgets.

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