CASE STUDY

HEALTHCARE ORGANIZATION INFRASTRUCTURE GETS INCREASED CAPACITY WITH MELILLO HPE SYNERGY AND SUPERDOME FLEX UPGRADE

Overview

When a leading health care network of hospitals merged with a large single-hospital system to expand access to care, they leaned on their 20-year relationship with Melillo to upgrade their current EPIC infrastructure with HPE servers that could support increased capacity and performance requirements.

Challenge

In 2021, this non-profit healthcare network acquired a majority stake in a single-hospital system to expand access to high-quality care to the state's residents. In what is dubbed as a "unique model for health system co-ownership," the co-membership agreement brings the two healthcare systems together under the client's larger network of care. As a result, the client needed to expand its IT infrastructure to accommodate the increased capacity and bring the new member hospital into one cohesive IT ecosystem with no downtime or operational disruption. With significantly more users, patients, beds, and records to manage—and an existing infrastructure that was approaching end-of-life—the client needed to upgrade its compute while migrating the new member hospital off its existing IT infrastructure. With a 20-year track record of consistently delivering successful IT projects for this hospital system, Melillo was the go-to partner of choice to address this critical need.

Solution

Melillo began by identifying how much capacity the client was currently using and how much they would need following the merger. With the additional users and systems, they also needed to increase performance capabilities to support the multiple databases, which meant moving from a 4-processor system to an 8-way server. After assessing a range of options that could deliver increased capacity and performance at the most cost-effective prices, they recommended HPE Superdome Flex. What's more, because the client's non-EPIC infrastructure had already been successfully running on HPE Synergy, Melillo brought Synergy into an updated EPIC infrastructure to support applications, along with Superdome Flex for the database tier.

Results

By upgrading EPIC to include HPE Superdome Flex and Synergy, the now eight-hospital system is enjoying optimal performance and capacity to support the acquisition—with fewer servers at a reduced spend. With an EPIC infrastructure powered by modern server technology, the client now consistently achieves the highest possible grades on Health Check. Plus, with Melillo's expert guidance, the go-live to the new environment was completed flawlessly—with zero downtime, delays, or glitches.

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