Case Study

Large Healthcare System to Save $15 Million Over Three Years by Modernizing Infrastructure After Merger

The client

The client is a large healthcare provider formed from the merger of two systems. The organization now operates 48 hospitals and more than 1,000 patient care sites. It has 7,800 active physicians and 48,000 employees, with nearly $11 billion in total assets.

The challenge: Modernize infrastructure and integrate systems while ensuring uninterrupted information access during the transition

The client came to us following a merger for assistance with integrating storage systems, and standardizing and enhancing its operations. As part of that process, its infrastructure had to be modernized and then 850TB of medical image data had to be migrated from EMC Centera (EOL) to Isilon.

However, as the 178 million files are critical to patient care, there had to be zero interruption of data access. In addition, all modernization efforts had to meet strict requirements defined by Epic, the Electronic Medical Records (EMR) database, for the implementation and operation of its systems.

Industry:

Healthcare

CDCT provided:

- Consulting on Pure Storage solution
- Project management and data migration assistance
- Risk-mitigated move of 850TB of medical image files from EMC Centera (EOL) to Isilon
- Environment that blends technology from two storage providers to support high-quality patient care

CDCT services:

- Consulting
- System architecture
- Project management

The solution: Flawless execution of a detailed plan for the storage refresh and data migration

The key to the success of this engagement was detailed planning and what the client referred to as our "white-glove service" throughout the transition. Our team developed detailed, step-by-step plans for the storage refresh and data migration.

In fact, our research uncovered data that the client didn't know it had as it was on nodes that were not functioning properly. We also provided attentive project management, overseeing every step of the refresh and migration processes. Ultimately, the solution entails a dozen Pure Storage arrays designed to accommodate over a petabyte of storage, and which can be upgraded without any disruption to operations.

The benefits: Greatly expanded storage capability and confidence in a new service provider

The engagement produced a cutting-edge environment that supports high-quality patient care. It also will allow the client's $6.5 million investment to deliver $15 million in savings over three years due to competitive cost, space, energy, and maintenance reductions with an innovative, on-premises, subscription-based storage model.

In addition, the risk-mitigated, zero-downtime storage upgrade and efficient data migration have produced a powerful intangible for the client. They now have confidence in our ability to understand and address their unique needs.

The client has a trusted partner that can step in to deliver powerful insights that drive increased efficiency and cost savings, and one who can manage projects to successful outcomes. This allows them to focus on achieving business objectives.

Benefits:

$15 million
in space, power, and cooling savings over 3 years

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8 racks of storage reduced to

.5 rack

178
million files
(850TB of data) moved without incident

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