



# TRANSFORMING DIAGNOSTIC IMAGING SERVICES

Steinberg Diagnostic Medical Imaging consolidates its technology environment and cuts costs while improving service quality for patients and doctors



Healthcare | United States

## Business needs

Steinberg Diagnostic Medical Imaging uses advanced imaging technology to provide patients and doctors with the highest-quality diagnostic images and information. An aging, inefficient infrastructure with a high cost of technology ownership no longer supported the company's goals of service excellence and an outstanding patient experience.

## Solutions at a glance

- [Dell EMC VxRail Appliance](#)
- [Dell EMC RecoverPoint](#)

## Business results

- Replaces over 90 servers with 2 hyper-convergent devices
- Supports excellent patient experiences
- Generates savings in labor, power, hardware and maintenance costs
- Simplifies IT administration

Enables

50%

compute performance improvement



Consolidates

80%

of storage into 9 small-form drives



Steinberg Diagnostic Medical Imaging (SDMI) maintained a legacy client-server infrastructure with one server per application to deliver radiology- and diagnostic-imaging services in its eight Las Vegas-area locations. The technology could not sustain the performance to deliver images and data to patients and doctors as fast as SDMI wished. The efforts of managing servers at the end of their lifecycle together with the costs of labor, service contracts and electricity were no longer justifiable.

Keith Nunnery, IT systems administrator at SDMI, says, "We explored a hyper-converged infrastructure to deliver optimal performance and help us reduce our data center footprint, costs and maintenance."

## Enabling digital transformation on a streamlined infrastructure

SDMI evaluated leading hyper-convergence offerings and selected the Dell EMC VxRail Appliance for VMware after a successful proof-of-concept project. "We chose Dell EMC VxRail because it was the best at enabling density in a software-defined data center," says Nunnery. "We went from over 90 servers to a couple of Dell EMC VxRail devices that virtualize all our applications. We also consolidated 80 percent of our direct storage into nine small-form drives."

After deploying VxRail and Dell EMC RecoverPoint application recovery software in less than half a day, SDMI runs its picture-archiving communication systems (PACS) and other software on a virtualized infrastructure. Says Nunnery, "Our leadership is confident that Dell EMC VxRail will help us achieve digital transformation in providing an exceptional patient experience through an extremely efficient data center."

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IT Systems Administrator,  
Steinberg Diagnostic Medical Imaging

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## 50% performance improvement at a lower cost

In SDMI's hyper-converged infrastructure, performance improvements and cost reductions go hand-in-hand. "We see a 50 percent improvement in computing performance with Dell EMC VxRail compared to our previous environment," says Nunnery. "This directly impacts how well we serve patients. At the same time, our operating costs have become very low."

## Greater confidence and efficiency in IT

IT management has become more efficient and assured. "My job has become easier with Dell EMC VxRail as my sole resource to see what's going on in our network," Nunnery explains. "Even if there is an incident when I'm not here, I receive an instant alert that also goes to Dell EMC support for immediate assistance."

## Powerful partnership

SDMI and Nunnery greatly value the support and the collaboration with Dell EMC. Says Nunnery, "Dell EMC has been phenomenal about listening to our feedback and wanting to know our experiences. It's fabulous to have Dell EMC as a partner that will be there for us as the business evolves." He adds, "As a career IT administrator, I look forward to working with Dell EMC technology every day."

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