

# Sentara Healthcare Powers "Continuous Patient Care" Program with NetApp

## Key Highlights

### Industry: Healthcare

#### The challenge

Build a robust, scalable storage solution for EMR and other patient care initiatives, leveraging existing disk arrays. Simultaneously simplify data protection, storage provisioning, and application integration.

#### The solution

Improve backup/recovery time, boost availability, and simplify storage provisioning with NetApp V-Series SAN virtualization solution designed and implemented by PLANIT Technology Group.

#### Benefits

- Accelerate SQL Server™ backups
- Achieve five-nines availability for EMR system
- Shorten test/development cycles
- Complete database reindex six times faster
- Provide an HA CIFS infrastructure

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*Joseph Rowell, manager of Enterprise Architect Solutions at Sentara Healthcare.*



## PLANIT Technology Group – Case Study

### CUSTOMER PROFILE

Sentara Healthcare is a not-for-profit healthcare provider serving more than two million Virginia and North Carolina residents. Founded in 1888, Sentara now operates some 87 care-giving sites, including seven acute-care hospitals, three outpatient-care campuses, seven nursing centers, and three assisted-living centers. Sentara offers a full range of award-winning health coverage plans, home health and hospice services, physical therapy and rehabilitation services, mobile diagnostic vans, and medical transport services (source: [www.sentara.com](http://www.sentara.com)).

### THE CHALLENGE

**Simultaneously fortify and simplify storage infrastructure to support industry-leading healthcare initiatives.**

The foundation of Sentara's industry-leading healthcare network is an electronic medical records (EMR) system from Epic Systems that integrates information originating from a multitude of sites, users, applications, and compute platforms. To support hosts based on UNIX® in the EMR infrastructure, the company needed a highly available and scalable storage solution. Sentara had originally implemented a pair of HP StorageWorks XP12000 disk arrays. The objective in expanding this storage architecture was to deliver an equivalent class of availability to Windows hosts, while simplifying provisioning and other storage-management processes. "In architecting our electronic medical records system, we knew it was essential to implement high-availability storage," says Joseph Rowell, manager of Enterprise Architect Solutions at Sentara Healthcare. "Any downtime, even for upgrades, disrupts medical staff and compromises their ability to deliver responsive, quality care."

### THE SOLUTION

**Accelerate, enhance, and streamline data protection with NetApp V-Series storage virtualization solution.**

The Sentara team evaluated storage solutions from two incumbent vendors, along with the NetApp V-Series storage virtualization solution, which got the team's attention right away. PLANIT Technology Group designed and implemented the solution. Rowell says that the system's positive results early on led Sentara to extend its 90-day proof-of-concept evaluation to a 120-day in-depth evaluation of the NetApp system.



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