



# CASE STUDY

## Community Health Systems ensures patient record confidentiality and increases backup and archive capacity with Spectra Logic

“ CHSPSC uses Spectra libraries for corporate backup and long term data retention. Spectra’s small footprint and low energy costs have proved highly economical in our data centers. We’ve only had to call support once in the four years we’ve been using the T950. Its reliability gave us confidence in our purchase of the TFinity. ”

*Lane Summers, Backup and Recovery Administrator, CHSPSC*



*Spectra T950 and 3-frame TFinity*



Community Health Systems Professional Services Corporation (CHSPSC) is one of the nation’s leading operators of general acute care hospitals. The organization’s affiliates own, operate, and/or lease more than 200 hospitals in 29 states, totaling approximately 31,100 licensed beds. CHSPSC hospitals are dedicated to providing quality healthcare to local residents and contributing to the economic development of their communities. Based on the unique needs of each community served, these hospitals offer a wide range of diagnostic, medical, and surgical services for inpatient and outpatient settings.

### The Challenge

Community Health Systems has been a Spectra Logic customer since 2011. The organization originally purchased a T950 tape library, which they operated from their corporate headquarters in Franklin, Tennessee. Over time, CHSPSC’s data began to grow exponentially, which inspired them to upgrade their environment. CHSPSC upgraded their existing T950 library, and also purchased an additional library to house at their disaster recovery (DR) site. It was important to Community Health Systems that their new solution was capable of easily scaling to meet future requirements, while keeping their footprint and costs down. In addition to a small footprint and low costs, data encryption was a crucial component to their new configuration. Health Management Associates (HMA), a company CHSPSC recently acquired, is still recovering from a data breach that resulted in lost patient names, addresses, and social security numbers. It was critical for CHSPSC to find a solution with strong data encryption that met HIPAA requirements.

### The Solution

Community Health Systems upgraded their Spectra T950 from LTO-4 drives to LTO-5 drives plus two partitions for their headquarter’s main data center. They are currently sending 6PB of their corporate data to tape but anticipate future growth. With their upgraded T950, CHSPSC can easily scale by adding more frames to their libraries and upgrading their enterprise drive technologies to increase capacity. By housing their imaging system files (MRIs) in the T950, they were also able to consolidate their SunGuard footprint, allowing more funds to be allocated toward disaster recovery initiatives.



*One of CHSPSC’s hospitals featured on their website.*

# CASE STUDY: Community Health Systems

To comply with HIPAA regulations and ensure their patients' confidentiality, CHSPSC trusted Spectra's BlueScale Encryption, Professional Edition, for their data encryption needs. BlueScale Encryption is built into their Spectra libraries, allowing them to easily encrypt and manage their data on tape. With the Professional Edition, they got the added bonus of having multiple keys for encrypting partitions separately.

Spectra's TFinity was the perfect solution for their long-term storage needs at their disaster recovery site. While they also considered IBM, CHSPSC was won over by Spectra's Media Lifecycle Management (MLM) feature, lower cost over time due to the small footprint, low power consumption, and great experience as a T950 customer.

As Community Health Systems' data continues to expand, the TFinity will continue to support the organization due to the device's industry-leading scalability and enterprise-class performance.

## Network Environment

- Spectra® T950 tape library
- Spectra TFinity tape library
- BlueScale Encryption (Professional Edition)
- LTO-5 drives
- Media Lifecycle Management (MLM)
- Tivoli Storage Manager
- EMC Networker

## Why Spectra?

- HIPAA Compliant
- Lowest cost over time
- Small footprint for small data center
- Low power consumption
- Reliable media management
- Comprehensive support
- Easy Scalability

## Solution Recap

The Spectra T950 library is designed and built to meet the stringent requirements of the enterprise for data integrity, data security, and high reliability. The T950 library reduces staff involvement significantly, affordably scales in throughput and

capacity, and supports multiple generations of current and future tape formats.

Spectra TFinity's modern design is the world's most scalable tape archive and backup solution. It fully meets the needs of the enterprise IT, federal government, high performance computing, and media and entertainment markets. TFinity offers industry-leading scalability with the speed and dual robotics necessary to meet the requirements of the most data-intensive environments in the world.

For data archiving, backup, and recovery, these elite libraries lead the field in innovation—from the greatest storage density to proactive media management always protecting your data. These libraries have done it all first.

Spectra BlueScale Encryption is the only truly integrated encryption key management option for data on tape. Encryption is often complex, processor-intensive, and expensive. With standard BlueScale Encryption Key Management built into Spectra libraries, encrypting data on tape is easy to manage, efficient, and free.

