



CASE STUDY

Community Health Choice and Spectra speed up member care with 22x increase in data backup speed

“As an HMO, Community Health Choice manages high volumes of member and claims information that must be protected per industry regulations and accessed quickly and unexpectedly. Spectra’s NAS Solution with CommVault Simpana has reduced our data backup process from 31 hours to 1.4 hours – a 95.5 percent time savings. Community can now retrieve files efficiently to provide better, faster care for members.”

John Coakley, Director of Information Systems, Community Health Choice, Inc.



Two Spectra Verde NAS Solutions



About CHC

Community Health Choice, Inc. (Community) is a non-profit Health Maintenance Organization (HMO) licensed by the Texas Department of Insurance. Through its network of more than 9,000 doctors and 70 hospitals, they serve over 240,000 members. Community’s mission is to improve the health of members seeking healthcare services, comprised of children, pregnant women and underserved families in Southeastern Texas.

Customer Requirements:

Community found that with their upsurge in medical care, they also needed to up their game to continue to archive and protect their member and business records in a more timely manner.

Data growth is affecting health care as much, if not more than, traditional IT users. Healthcare IT environments typically involve more data, larger files, and often times, industry regulations such as HIPPA require specific handling, management and preservation of the data. Fast access to historical patient records can mean the difference between timely care and significant delays in treatment.

The combination of data growth and a changing IT environment caused Community’s data protection solutions to become outdated and inefficient over time. Community’s previous environment included a CoRAID disk system as a primary backup target and an older version of CommVault backup software. A simple 760 TB backup job took an overwhelming 31 hours to complete.

Community Health Choice’s IT group was due for a technology refresh that would accomplish three objectives: significant increase in backup performance to manage 88TB of data, automate an offsite of the backup for disaster recovery and improve the protection of their VMWare virtual environment.



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The Results:

This new environment dramatically changed their backups, taking the 31 hours it took to backup 760 TB down to 1.4 hours. Total data being protected is around 88TB, split about 80% to CommVault and 20 percent to Veeam. The CommVault backups now complete in just four hours, and the Veeam backups complete in about one hour. This time reduction not only allows for more timely backups, but it also frees up production resources and network bandwidth for member and business needs.

Network Environment

- Two Spectra NAS Solutions
- Commvault Simpana 10 backup software with deduplication and replication
- Veeam Backup & Replication v7 software
- HP servers
- VMWare with a 50/50 physical to virtual environment
- Cisco switches

The Spectra Verde NAS Solution

The Spectra® Verde® NAS Solution is the optimal disk platform for the storage of mid-tier data, including primary storage offload, data staging, backup and archiving. Flexible, simple and affordable, the Spectra Verde delivers file storage for as low as 7.5 cents per gigabyte. The expandable Verde disk solution provides raw storage capacities from 48TB to 7.1PB.

Community Health Choice Network Diagram

