

With help from Camera Corner/Connecting Point, VMware and MS SQL products, Shawano Medical Center virtualizes and consolidates servers seamlessly while managing an abundance of data.



**“In the last few years, Shawano’s computer system needs exploded due to new laws and mandates and increased data volume. The products Camera Corner provided have met these needs and keep our systems running better than ever.”** Troy Klement, Server and Database Administrator—Shawano Medical Center.

## Company Overview

Shawano Medical Center, located in Wisconsin, offers optimum medical care in its hospital, clinics, and rehabilitation facilities. The practitioners at Shawano believe in the importance of full body healing and therefore work to offer a personalized treatment plan that emphasizes both physical and mental wellbeing. Shawano Medical Center continues to expand its programs and facilities for its community, such as recently opening a new FastCare service.

## Challenges

The government passed laws and mandates within the last few years that regulate the efficiency of computer systems within healthcare facilities. The American Recovery Reinvestment Act drove Shawano Medical Center to expand their systems while continuing to ensure that they were secure and well organized.

However, adhering to these new regulations proved to be challenging. Shawano Medical needed to double its number of servers and make certain they were accessible to a wide array of users, including doctors and administrative staff at all times. Their facilities did not have the physical space to accommodate new servers. Shawano Medical IT needed to find a way to consolidate their systems while ensuring that caregivers had the 24-hour access required for patient safety.

## Solution Snapshot

### Hardware

- HP BladeSystem c7000 Enclosure
- 10 HP ProLiant BL490c Servers
- HP StorageWorks with asynchronous remote replication

### Software

- VMware vSphere 4.0 Enterprise Plus
- VMware Fault Tolerance
- MS SQL

## Objectives

- Virtualize servers to accommodate the large volume of data required to utilize and maintain medical records as efficiently as possible.
- Provide computing access 24 hours a day, 7 days a week to all Shawano Medical staff as well as providers from other organizations with whom Shawano works.
- Reduce electrical power usage, cooling requirements and physical space needed. Obtain the optimum solutions at the best price.

## Approach

- Shawano Medical utilized Camera Corner/Connecting Point in three ways to successfully complete this project:
  1. Help with the design for their medical software as well as their disaster recovery site.
  2. Purchase of HP Blade and VMware products at the lowest price possible because of Camera Corner/Connecting Point’s great vendor relationships and vast knowledge of the various pricing programs.
  3. Assistance in implementation using an approach that allowed Shawano Medical to thoroughly learn and replicate the process on their own.

*“These products are easy to access and work very quickly. We used to have problems with our servers that took a lot of down time to fix. Now that we use the HP VMware solution our servers run seamlessly, and if we do encounter a problem, we are able to transfer the data to another host and fix it quickly without users even knowing there was a hitch.”* Troy Klement, Server and Database Administrator –Shawano Medical Center.

- Use Microsoft SQL in order to easily install and maintain important applications, such as ER and digital medical records.

## Impact

### Business Improvements:

- Numerous users able to access digital records more quickly.
- Reduced the amount of computing problems and crashes that could jeopardize patient safety.

### IT Improvements:

- Reduced power costs for Shawano Medical facilities by at least 50%.
- Allowed tasks to be deployed in a matter of hours to days instead of days to weeks.

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