

Case Study

Datcenter Migration and Managed Service

Client:

A leading health network

The client is a leading health network in the Greater Cincinnati area and a leader in medical excellence. The health system has a vast network of physicians and staff, working together to make superior medicine convenient and accessible. The health system offers a wide range of medical, surgical, and testing services at its main campus and more than 100 outpatient and physician practice locations throughout Greater Cincinnati. Client is consistently recognized by U.S. News & World Report as one of the nation's top hospitals.

Challenge	CBTS Solution	Results
<ul style="list-style-type: none">• Client needed stronger IT infrastructure and improved data network performance.• Client needed to move critical IT operations from Michigan to Greater Cincinnati.	<ul style="list-style-type: none">• CBTS advanced consulting and engineering professionals designed and built stronger IT infrastructure.• CBTS oversaw datacenter migration from Michigan to Ohio and provides ongoing support.	<ul style="list-style-type: none">• Health network runs on new, updated data center infrastructure that delivers better performance.• Client saved on annual IT operational costs through consolidation and virtualization.

Infrastructure, covered.

Business Challenge

The health network had a data center located in Troy, Michigan. Although that center met its needs in the past, client knew that the data center could not support its future goals and that it needed to invest in a stronger IT infrastructure. Specifically, the client wanted to:

- Improve overall data network performance.
- Lower costs.
- Move critical IT operations closer to headquarters.
- Supplement network's disaster recovery capabilities.

The migration of client's data center from Michigan to Cincinnati within an aggressive 12-month timeframe involved 500 servers and 400 terabytes of data storage. To execute a project of this magnitude, the health network needed a vendor with expertise in designing, building, and maintaining a Tier3 IT infrastructure. Client wanted a partner who could offer a complete end-to-end solution. The client vetted multiple HIT infrastructure vendors carefully and awarded CBTS the contract for network and data center design.

CBTS Solution

CBTS advanced consulting and engineering professionals:

- Designed and built the overall solution within the required 12-month timeframe.
- Managed the migration project and brought the data center infrastructure from Michigan to the two Tier 3 sites in Greater Cincinnati.
- Integrated network transport components including Ethernet network connectivity for all owned sites and data centers, local and long distance telecommunications service, Internet, audio conferencing, and MPLS circuits to Michigan, Indiana, and Kentucky. Several remote physician offices also took advantage of Fiopics (fiber-optic) TV service for their waiting areas.
- Supported the organization with ongoing managed services support for its IBM P Series environment, VMware and Intel environment, storage and backup, core networking, Citrix and Exchange. Although client initially planned to keep most of the operation and maintenance service in-house, it became clear after further discussion that CBTS Managed Services would offer lower costs and higher service levels than client could have with an internal operations staff.

Results

The health network now runs on a new, updated data center infrastructure with better performance. The new centers offer top-notch disaster recovery capabilities with a fully redundant Tier 3 backup site. As the network expands, client is well-positioned to integrate new facilities and practices. In the process, the client saved on annual IT operational costs through consolidation and virtualization.

Infrastructure, covered.