



# Healthcare | Customer Snapshot

Guthrie County Hospital (GCH) is a critical access facility based in Iowa in the United States which serves its local community, twenty-four hours a day, seven days a week through on-site care as well as a number of remote clinics.



*“Kaviza’s ease-of-use is unmatched, you simply turn on and use Kaviza’s virtual appliance unlike others that require you to install and manage multiple components.”*

Jeff Cobb  
Director of IT  
Guthrie County Hospital

## Project Background

Guthrie County Hospital is a fully accredited, critical-access facility based in Iowa, USA which serves its local community through a mixture of on-site care and a network of remote clinics. Like many other hospitals around the country right now, Guthrie Hospital is transitioning to Electronic Medical Records to improve the quality and safety of patient care, whilst achieving efficiencies in healthcare delivery.

To facilitate this Guthrie Hospital wanted to improve how desktops were being deployed and supported. Guthrie Hospital wanted to accomplish three important goals :

Lower the support time and costs incurred for each desktop in the hospital overall, increase Reliability by reducing unplanned downtime and lowering network traffic by running applications centrally.

“Our EMR system uses a multi-cast protocol and we wanted to minimize this chatter over the network for performance reasons and reduced the unplanned downtime which is critical for a 24/7 operation.” says Jeff Cobb, Director of IT.

After test different virtual desktop infrastructure alternatives, Guthrie Hospital chose Kaviza for its ease-of-use and out of the box functionality. Rollout occurred in phases, with the first phase focused on the emergency room and the network of remote clinics.

Guthrie Hospitals goal is to roll out EMR across the hospital using Kaviza throughout 2010.

“You simply turn on and use Kaviza’s virtual appliance which is what I expected of other VDI solutions, but they turned out to be complex with many components to manage explains Jeff Cobb, Director of IT.

## Deployment Results

Guthrie County Hospital successfully deployed a Kaviza virtual desktop environment on Dell 2950 servers running Vmware ESX and Kaviza. For client access devices, GCH repurposed PCs and used a number of Wyse thin-client devices.

They succeeded in increasing access to X-Rays and Electronic Medical Records at remote clinics and provide medical-staff secure access to those patient records from any room in the clinic.

*“Anyone with a 24/7 operation needs this, with automatic high availability, Kaviza makes it so easy.”*

Jeff Cobb  
Director of IT

## Healthcare Sector Guthrie Hospital

**Challenge :** Acquire desktop solution for GCH to :

- Increase reliability and reduce unplanned downtime
- Reduce desktop support time and costs
- Optimize access-time to Electronic Medical Records
- Provide high-availability
- Deploy quickly, manage easily and grow on-demand

### Results:

- Increased access to X-rays and electronic medical records
- Enabled medical staff to securely access patient records from anywhere in the hospital.
- Cut troubleshooting costs by over 90%.
- Reduce patching and update time by 88%.
- Reduced power consumption by 85%.
- Lengthen client lifecycle by 3 times by using thin-client

## Questions ?

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