

Valley Baptist Health System

Company: Valley Baptist Health System

Industry: Healthcare

Headquarters: Harlingen, TX (USA)

Solution: EMC Healthcare Solutions for VMware

- EMC VMware for Exchange and VMware Virtual Desktop Infrastructure (VDI)
- EMC EmailXtender for Microsoft Exchange
- EMC CLARiiON CX3-40, Celerra NS80, and EMC Centera

Deployment Environment

- FUJIFILM Medical Systems PACS
- GE Healthcare Centricity CV PACS
- Microsoft Windows
- HP Blade Servers (HP 460c Dual-Quad Core)

“Server and Virtual Desktop Infrastructure are an integral part of our overall virtualization strategy that not only brings economies of scale, but also allows IS to provide a greater level of service while increasing customer satisfaction.”

James Barbaglia
Sr. Vice President & CIO
Valley Baptist Health System

Virtual Infrastructure maximizes uptime, flexibility, and responsiveness

Company Profile

Valley Baptist Health System (VBHS) has earned a reputation as a healthcare leader with their dedicated staff, modern facilities, state-of-the-art technology, and commitment to providing for the health of their community. Today, their not-for-profit health system is one of the largest in South Texas with more than 900 beds.

Challenge

With its data center out of floor space and faced with ever-increasing cooling and electrical requirements, VBHS desperately needed a new strategy to address these challenges. Renovating or expanding the data center, at a cost upwards of \$8 million dollars, was not a financially viable option. With continued demands for new servers and no room to host them, VBHS needed to move quickly to alleviate the situation.

Solution

Leveraging its expertise across both VMware virtualization and Microsoft Exchange, EMC and its partners worked with VBHS to design and deploy the most appropriate architecture. This architecture leveraged EMC® solution capabilities including EMC Celerra® NS80 and thin provisioning for desktop virtualization, robust CLARiiON® CX3-40 SAN technologies, and EmailXtender® with EMC Centera® to support archiving requirements.

With numerous applications supporting its patient care delivery, including a FUJIFILM Medical Systems PACS and GE Healthcare Centricity CV PACS, the organization turned to server and desktop virtualization to streamline processes and conserve resources.

Highlights

- Cost savings of greater than \$11 million by virtualizing servers and desktops
- Transformed IT infrastructure and realized a 12:1 server consolidation ratio
- Simplified desktop management by beginning to deploy virtualized desktops
- Improved management of desktop environments
- Provided flexibility for future growth by reducing footprint and easing management
- Deployed an EMC Centera with EmailXtender (5,000 mailboxes) to quickly and cleanly retrieve aged e-mails in support of compliance requirements

Results

“By deploying hosted desktops on VMware Virtual Desktop Infrastructure, we were able to reduce the cost and complexity of desktop management. To date, we have virtualized hundreds of servers and are on the path to virtualizing 3,000 desktops,” said Tony Blanton, Chief Technology Officer for VBHS. Desktops often move quickly with little or no notice. Asset assessment was challenging to nail down. Putting the application image on the server and not allowing people to access the desktop to add applications enabled VBHS to deploy a very manageable environment.