

OVERVIEW

The University of Michigan Health System is an award-winning health care provider and premier research and academic medical center.

CHALLENGES

- Compartmentalize processes and applications, while maintaining strict user controls that meet internal policies and external regulations.
- Maintain a secure user environment that adheres to HIPAA rules and compliance metrics.

OBJECTIVES

- Grow from current data model by uncoupling servers and applications.
- Reduce hardware, management, and costs, while providing end users with reliable, secure, and highly available systems.
- Upgrade overall IT system to one that accommodates growth, flexibility and security needs.

SOLUTION

- Partnered with Data Strategy to set up a private cloud utilizing VMware's vCloud Director.
- Hardware: HP Blade Servers | Software: VMware vCloud Director, vCloud Suite Advanced and vShield Edge

APPROACH

- Data Strategy compartmentalized applications onto virtual servers, ensuring reliability and eliminating the risk of data loss due to server crashes.
- Employed VMware's vShield Edge to provide comprehensive network security and adhere to HIPAA rules and compliance metrics.
- Identified and procured HP products while providing 24/7 consulting services and assistance.

BUSINESS IMPACT

- The University of Michigan Health System Pathology IT department can now maintain secure environments while developing and testing general platforms without having to purchase new hardware.
- Complex systems are now generated quickly and easily through preprogrammed models that ensure compliance with internal and external regulations.
- High availability ensures maximum uptime and productivity allowing the IT department to focus on new services.
- Savings of over \$500,000 per year in hardware, management, and power/cooling costs.
- Secure, reliable technology that promotes greater flexibility and productivity.