



UNIVERSITY OF MICHIGAN DEPARTMENT OF PUBLIC SAFETY

COMPANY:

Premier research university

INDUSTRY:

Education

PLATFORM:

Linux and Microsoft®
Windows® 2003

APPLICATIONS:

Disaster recovery and business continuity; Microsoft Exchange and SQL Server

NETWORK MANUFACTURER:

Cisco®

BACKUP VENDOR:

EqualLogic®

SERVER AND WORKSTATIONS:

Dell®

The University of Michigan is recognized as one of the world's premier research universities with world-renowned faculty, rigorous academic programs and diverse cultural and social opportunities in a stimulating intellectual environment. The Ann Arbor campus has more than 39,000 students and is protected by the University of Michigan Department of Public Safety (DPS), a full service, state licensed law enforcement agency. DPS provides comprehensive parking enforcement, crime prevention and fire safety services.

The Department of Public Safety maintains a 24x7 communication center to answer public service calls, monitor interdepartmental radio communications and manage more than 1,100 intrusion and robbery, fire, elevator, temperature and maintenance alarms throughout the University's hundreds of buildings. University Police and Public Safety Officers patrol campus buildings and grounds, and residential and hospital facilities, 24 hours a day, seven days a week.

THE CHALLENGE: CREATE A CONSOLIDATED DISASTER RECOVERY STRUCTURE

During the summer blackout of 2005, the DPS managed to maintain operations, while the entire city of Ann Arbor went without electricity for many days, and it prompted the group to review its disaster recovery infrastructure. Following the blackout, the DPS IT department decided to disaster-proof and fool-proof their IT systems. The DPS IT had three goals: design a storage infrastructure for a backup and recovery site, reduce as many administrative duties as possible, and create a foundation for future project implementations such as a video on demand network of police videos and surveillance.

DPS wanted the new consolidated SAN to support computer aided systems, phone and emergency lines and backup of all critical safety information at an offsite location. In addition, DPS needed to consolidate several Microsoft Server applications into one system.

THE SOLUTION: PS SERIES SAN INTRODUCES DPS TO IP SAN FUNCTIONALITY

The DPS team reviewed the restrictions of Fibre Channel and found that iSCSI also provided the same advantages of a direct connection and separated itself from the organization's operating system. iSCSI also offered an easier and cost effective implementation. DPS was in need of a comprehensive yet easily managed SAN, so its reseller Mercury Solutions introduced the department to EqualLogic's all-in-one midrange SAN solution.

LEARN MORE ABOUT
UNIVERSITY OF MICHIGAN
DEPARTMENT OF PUBLIC
SAFETY

visit www.umich.edu/~safety/

"The EqualLogic product feature set and performance is unmatched in my opinion. EqualLogic's snapshot, replication and extended feature set solved other problems we had not even begun to look at. EqualLogic and Mercury Solutions definitely helped us identify and implement best practices for IT management for our disaster recovery policies."

*– University of Michigan
Department of Public Safety,
IT Manager,
Jeff McDole*

DPS evaluated vendors such as EMC* and IBM* but selected EqualLogic after the recommendation from Mercury Storage, and reading industry reports about the promise of iSCSI and EqualLogic's growing customer base. DPS also implemented EqualLogic because it met its three storage consolidation goals with its full set of software features and intuitive management interface. EqualLogic also let the DPS team eliminate the costly service consultants and extensive training associated with Fibre Channel implementations. The company provided DPS with a complete set of advanced software features based on industry standards, and as a result, the organization consolidated its new SAN with ease and almost no technical issues. The DPS IT staff had experienced difficult technology solutions ranging from a complex SCADA implementation, which is the university's central alarm system, to IBM AS400 main-frame deployments. Therefore, the staff was very impressed with EqualLogic's easy set up.

BENEFITS ACHIEVED: NEW FEATURES CREATE MORE COMPREHENSIVE PLANNING AND PROVIDE ADVANCED DISASTER RECOVERY MANAGEMENT

The EqualLogic PS100E now supports the DPS file/print applications, Windows Server 2003, Microsoft SQL and Exchange databases and group policy features to better manage internal systems. EqualLogic also supports the DPS 911 call data. In addition to supporting production data, the PS Series SAN also serves as the backup solution. EqualLogic's replication and snapshot capabilities provide a more comprehensive off-site disaster recovery system and make it easier to conduct security updates.

Jeff McDole, DPS IT Manager, said: "The EqualLogic product feature set and performance is unmatched in my opinion. EqualLogic's snapshot, replication and extended feature set solved other problems we had not even begun to look at. EqualLogic and Mercury Solutions definitely helped us identify and implement best practices for IT management for our disaster recovery policies."

SIMPLIFYING NETWORKED STORAGE

EqualLogic PS Series solutions deliver the benefits of storage consolidation in an intelligent, enterprise-class storage system that is easy to install, manage and grow. Let us show you what simplifying networked storage can mean for your business, visit our web site at www.equallogic.com.

Compliments of:  **EQUALLOGIC**[®]
SIMPLIFYING NETWORKED STORAGE™

 **ENTERPRISE**
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