gss Infotech

Integrating People, Process and Technology

NetApp SAN Installation and disaster recovery capability for more economical storage solution and simpler maintenance

At a Glance

CHALLENGE

Running short of storage and no disaster recovery capabilities

SOLUTION

Install NetApp and support VMware environment

BENEFITS

- Reduced risk of data loss
- Disaster Recovery made simple
- Simple Maintenance
- More economical storage solution

About Client

Located in Albany, New York, The College of Saint Rose is a private, independent co-educational college. Through a strong liberal education curriculum and progressive academic programs, the College serves students and working professionals. Saint Rose College offers continuing education programs for over 3,000 under¬graduate students and 2,000 graduate students

The Challenge

Needed to provide ample storage capacity and enable disaster recovery to meet the needs of students with reliable access to the technologies and information. They also wanted to conserve their data center and staff resources.

The Solution

GSS Infotech installed NetApp unified architecture with a disaster recovery capability to achieve storage efficiency and supported VMware environment.
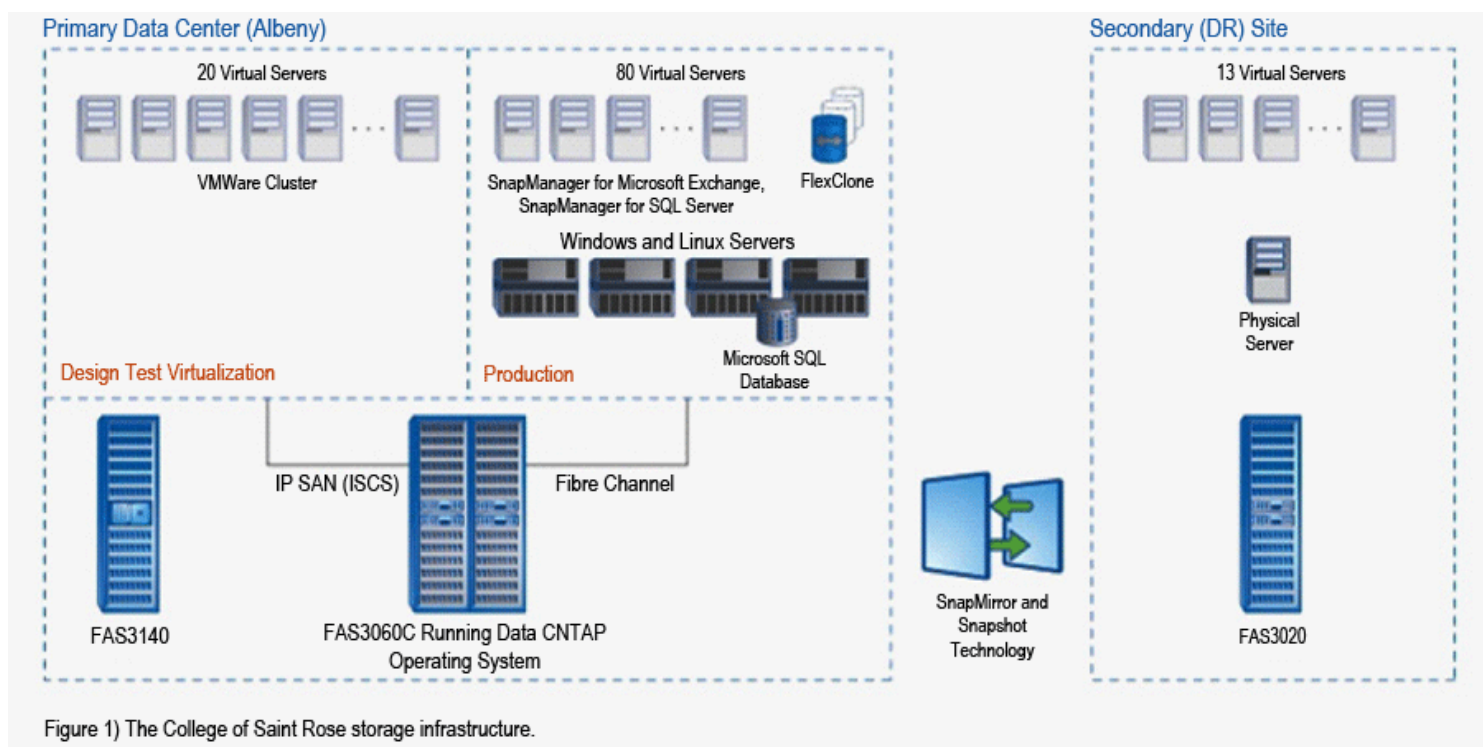

Figure 1) The College of Saint Rose storage infrastructure.

Locations

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Methodology

GSS Infotech installed NetApp FAS3050c system at the primary data center running Data ONTAP. This provides production storage to the heterogeneous environment of Windows and Linux systems with an additional NetApp FAS3140 supporting the high-perfor-mance require-ments of the College's Center for Communications and Interactive Media. GSS Infotech installed NetApp SnapMirror software for disaster recovery that enables high-speed replication to a NetApp FAS3020 system at another site. The NetApp systems serve as primary production storage for Microsoft Exchange Servers 2007 with 2.5TB of storage allocated for e-mail as well as for Microsoft SQL databases via Fibre Channel and user file shares via the CIFS protocol. A develop¬ment and test environment for VMware and Microsoft Exchange is supported by the NetApp systems through IP SAN (iSCSI).

Solution Components

NetApp Components

- NNetApp FAS3050c storage system
- NetApp FAS3140 storage system
- NetApp FAS3020 storage system
- NetApp SnapManager for SQL Server & MS Exchange
- NetApp SnapMirror and Snapshot

Environment

- Applications: VMware
- Servers: SQL Server, MS Exchange
- OS: ONTAP, Linux, Microsoft Windows
- Protocols: FCP, iSCSI

Benefits

- Reduced risks of data loss
- Disaster Recovery made simple with NetApp Snapshot
- Simple Maintenance
- Expandable storage capabilities
- NetApp solution enables high-speed communication to five host servers running 80 virtual machines

About GSS Infotech

GSS Infotech is a fast growing Managed IT Service provider and operates globally with its headquarters in Hyderabad (India) and offices in USA, APAC and Middle East. GSS is a CMMi level -3 company with accreditations like ISO 27001, ISO 9001, and ISO 20000 for Quality, Security and Service management. With its 11 year-presence in the IT industry, it provides customized solutions to over 200 Fortune customers across verticals like Telecom, Manufac-turing, Financial services, Insurance, Transportation, Healthcare, Legal, and Power, globally.

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CASE STUDY