

STORAGE AREA NETWORK

The key to unlocking the potential of virtualization

Advantages of Virtualization

- Contain server sprawl
 - ▣ Reduce footprint
 - ▣ Power consumption
 - ▣ HVAC needs
 - ▣ Reduce time needed to manage physical machines
 - Provisioning
 - Configuration
 - Monitoring
 - Maintenance

Limitations to production use

- Putting all your eggs in one basket
 - ▣ Multiple servers and services running on one piece of hardware.
 - Small outages become large problems

SAN to the rescue

- Shared enterprise storage enables redundancy in design of a virtualized server environment
 - High performance
 - 2 and 4 Gbit Fiber Channel or load balancing iSCSI
 - Redundancy
 - Clustered access to VM servers
 - Disaster recovery and backup options
 - Mirroring
 - Snap Shots
 - Advanced storage virtualization options

What does SAN enable?



- High availability
- Live moves
- Automated load balancing