

Server Consolidation with Virtualization SAN Solution by QLogic®

➤ The rapid adoption of VMware by IT departments to consolidate servers is successfully minimizing the costs of server operation, data center floor space and cooling. IDC states that 10% of all physical servers deployed in 2007 will run as Virtual Servers (VMware, XEN, or Microsoft).

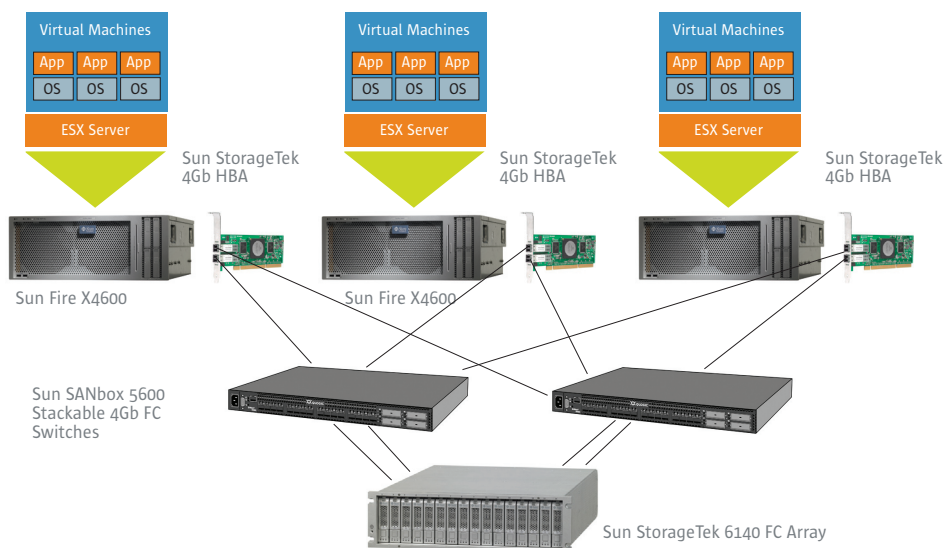
Customer Problems

1. Reduce the data center costs to their organization
2. Minimize the number of servers that run applications and need to be managed
3. Cooling (A/C) and floor space costs are escalating
4. Technology costs decrease while personnel and management costs increase

Solution:

Propose a solution that will consolidate servers into a SAN so that all applications can run in a smaller “footprint” with access to a common Sun StorageTek 6140 FC array. Attach all servers with Sun Enterprise 4GB HBAs to a Sun SANbox 5600 Fibre Channel Switch. The Sun Enterprise 4Gb HBAs support N_port ID virtualization (NPIV), which provides the ability to scale VMware servers to support the growing number of applications that are being consolidated.

The SAN management software included with the 5600 provides installation and configuration wizards to ease the setup. No prior SAN experience is required to install and maintain this SAN with a simple management GUI.



Benefits

- Eliminate server “sprawl” by reducing the number of servers and save data center operating costs
- Pool server resources and break the one application – one server model
- Better utilization of storage with common access to all storage by all servers
- Improve application availability
- Eliminate unplanned down time and maintenance with the ability to migrate applications from one virtual server to another.

Products to Propose:

- Sun Fire X4600 servers running VMware
- Sun SANbox 5600 4Gb FC Switch
- Sun Enterprise 4Gb HBAs (PCI-X or PCI Express)
- Sun StorageTek 6140 FC Disk Array

