

Rapid Migration with VMware® VMotion SAN Solution by QLogic®



As IT departments implement VMware to consolidate servers they also now have the ability to migrate entire virtual environments from one physical server to another, provided that the underlying data is shared in disk array or SAN storage configuration.

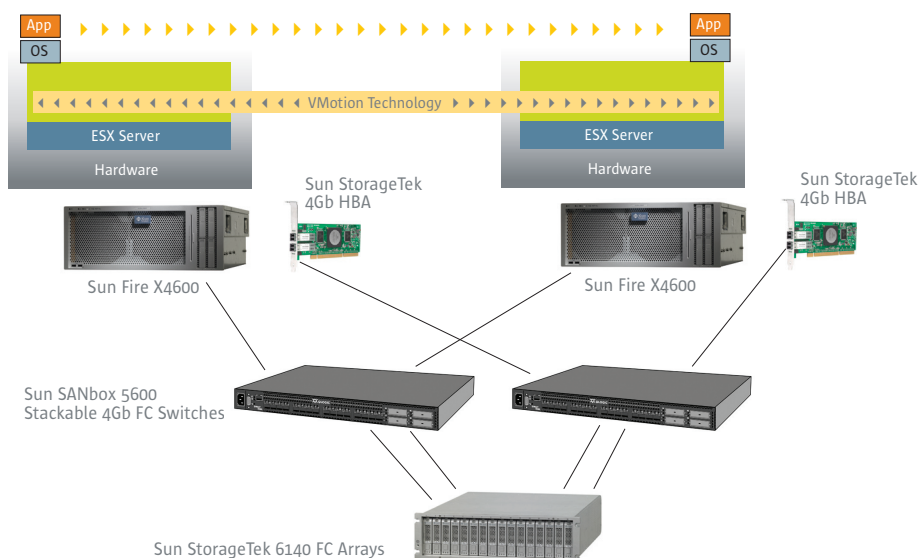
Customer Problems

1. The amount of down-time required for system maintenance in a 24x7 environment
2. Application fail-over in the event of a server outage
3. Seamless workload balancing across servers without service disruption

Solution:

First of all, make sure your customer realizes that in order to implement an effective migration deployment with VMware they will need all data to be shared. What this means is they will need a SAN storage array like the Sun StorageTek 6140 FC array. Attach all servers with Sun Enterprise 4GB HBAs to a Sun SANbox 5600 Fibre Channel Switch (dual FC Switches for a high-availability environment). 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.

With both servers (Sun Fire x4600) running VMware and VMotion your customer will be able to move an entire running virtual machine instantaneously from one server to another.



Benefits

- Eliminate unplanned down time and maintenance with the ability to migrate applications from one virtual server to another with VMotion – undetectable by the user
- IT administration can now proactively move virtual machines away from failing or underperforming servers
- Perform on-demand load balancing for applications within seconds
- Improve overall application availability

Products to Propose:

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

