

Data Replication - TrueCopy SAN Solution by QLogic®



Data replication is the key ingredient to provide any sized business with the ability to restart its operations in the event of disaster. Data from mission critical applications is copied to a remote location on a regular basis to ensure a business operation. Various designs and configurations can be built to support a customer's business requirements and budget. In this example we will focus on an enterprise that is replicating out-of-state to protect their data.

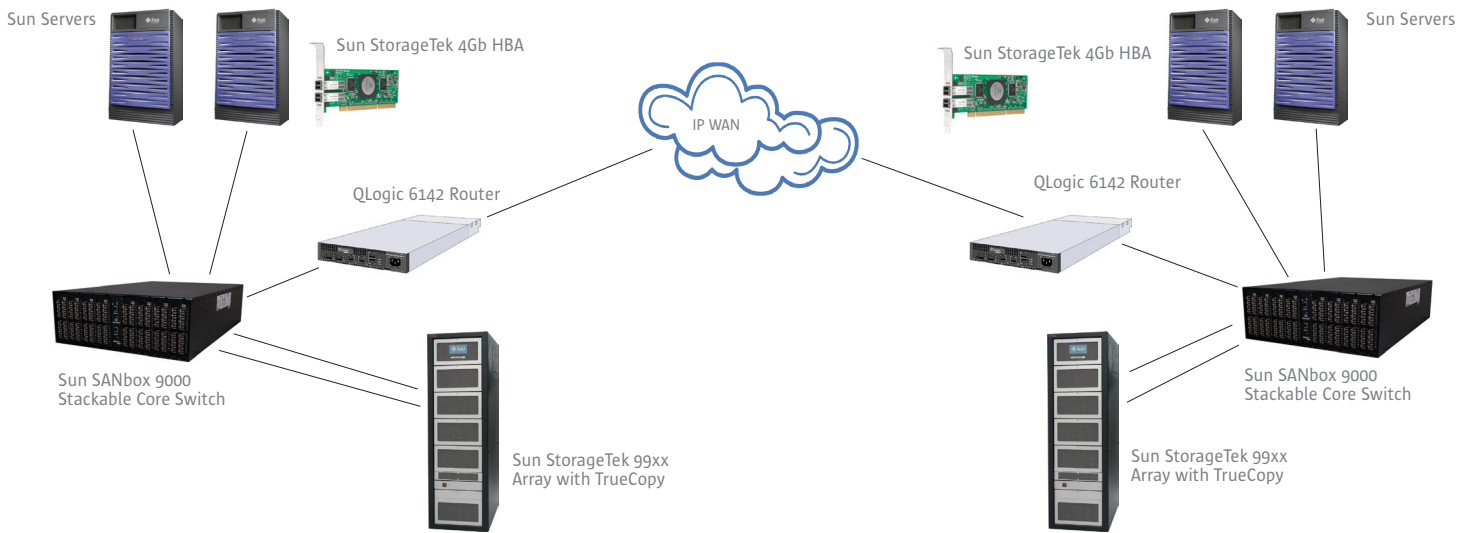
Customer Problems

1. Backup datasets do not provide quick enough recovery of critical systems. Recovery from tape could take days!
2. When critical systems go "offline", the business loses money at a \$ rate per hour
3. Business continuity and customer satisfaction are directly linked to business profits
4. The worldwide market for the business demands 24x7 operation

Solution:

Propose a solution that will provide asynchronous replication from a local SAN storage array to the Disaster Recovery (D/R) site with a similarly configured array. In this scenario we recommend a Sun StorageTek 99xx system with an array-based replication product – TrueCopy Remote Replication. TrueCopy has the flexibility to be configured to provide consistent copies of the customer's data sent asynchronously over an IP WAN to the D/R site. Based on the customer's Recovery Time Requirement an effective solution can be designed to restart critical applications in a remote geography in the event of a local failure.

To complete our solution, we have included the SANbox 6142 Intelligent Storage Router to convert protocols and transfer the data over the WAN link with minimal bandwidth requirements. For added protection, you can propose a redundant configuration with SANbox 9200, dual 6142s and dual WAN connections.



Sun Data Replication Configuration

Benefits

- Business critical applications can be restarted in a remote location in the event of a local failure
- Business resumption can be designed down to minutes and hours, instead of days and weeks
- Ensured business continuity guarantees an on-going, profitable business
- A Disaster Recovery solution improves the business' ability to address worldwide market demands

Products to Propose:

- Sun SANbox 9000 4Gb FC Switch
- Sun Enterprise 4Gb HBAs (PCI-X or PCI Express)
- Sun StorageTek 99xx FC Disk Array and TrueCopy Remote Replication
- QLogic SANbox 6142 Intelligent Storage Router with SmartWrite software