Intransa, Inc.
IP5500

Testing Template:

This document will be used to describe, from a technical perspective, the elements that were included as part of the IBM TotalStorage Proven testing. It is intended to give an overall picture of the technical elements of the configuration, with a brief description of the results of the testing including any specific highlights of the interoperability results.

High-level architecture/description, include a list of products that meet the compatibility requirements ("Approved Product(s)") as well as a list of the IBM storage products with which the Approved Products meet the compatibility requirements ("Qualified IBM Storage Products"):

> Intransa delivers a scalable Storage Grid solution by separating the RAID controller functionality and disk subsystem into 2 distinct components that can be scaled independently of each other. The RAID functionality is provided by Intransa's Storage Controllers that provides N-Way scaling of up to 4 SC's in a cluster.
>
> > Approved Products: Intransa IP5500, StorControl, x335, Broadcom NetXtreme Gigabit Ethernet
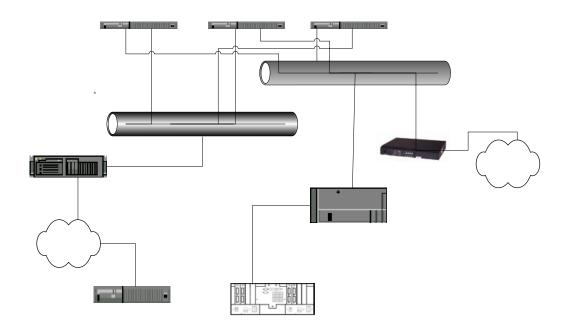> >
> > Qualified IBM Storage Products: SAN FS, IBM switch 2109F32

The testing scenario:

Testing level achieved: **Comprehensive**

- Standard: The standard test consists of elements like install, configuration, load, exercise I/O, and backup/restore testing.
- Comprehensive: Comprehensive testing would include the standard testing in addition to a much higher level of integration and failure testing. In either case, these tests are customized for the specific product(s) being tested, and in consultation with the participant.
- The level is determined by IBM based on the test plan and results.

   We followed and passed the standard comprehensive tests

X335 W2
Sfs clie

Testing Environment:

   The test environment included 3 x335 acting as the Sfs client. 2 of the systems ran Windows 2003 the other ran SLES8. The 2 windows servers connected via

SFS 172.26.5.128

Ethernet SAN FS to the IBM SAN Volume Controller. The SLES8 was connected via iSCSI to the Intransa IP5500 and also to a Cisco switch to the IBM DS4300. This configuration emphasized the robustness of Intransa's StorControl software for managing storage in the network.

Test Configuration:

a. Intransa IP5500 with StorControl v1.3
b. IBM SAN File System v2.2.1
c. IBM Switch 2109F32
d. IBM xSeries Model 335 W2K3
e. IBM xSeries Model 335 SLES 8
f. Cisco 5428
g. IBM DS4300
h. IBM SAN Volume Controller

Test Results:

The planning and installation went very quickly and easily. The overall testing took place within 9 days. Installation went very smooth. Initial setup is assigning IP addresses. Once the network configuration is over, system configuration is pretty much done. The overall performance from SFS is even better than from raw volume. Close to wireless speed performance was achieved.

Support contacts:

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Hours of operation 24x7
We also have partnered with IBM IGS as a support arm as well
We are also a member of TSANet