

## VERITAS Cluster Server™ 3<sup>rd</sup> Party Replication Support

### AUTOMATE SITE FAILOVER FOR DATACENTER AVAILABILITY

Datacenter availability allows organizations to keep their business running 24 hours a day, 7 days a week across a wide array of operating systems, applications, hardware components and data center locations. In order to achieve datacenter availability, organizations must have confidence in their recovery strategy through repeated testing, and ensure that the applications and data they depend on can be recovered in an automated, process driven fashion.

Many enterprises today utilize a data replication solution to keep a current copy of critical data at a remote location in order to protect against failure of an entire site; however, this type of entry-level Disaster Recovery (DR) does not by itself protect enterprises from costly and damaging downtime. Symantec provides a unique, comprehensive and integrated solution that combines mirroring, replication and clustering both within, and across geographically separated datacenters to enable both data and application availability.

**VERITAS Cluster Server (VCS)** is the industry's No. 1 open systems clustering solution (source: IDC, 2004) designed to protect your critical applications and databases against downtime, whether planned or unplanned, across local and remote data centers utilizing attached storage and a wide range of replication technologies. In addition to VERITAS Volume Replicator, VERITAS Cluster Server provides full support for all major 3<sup>rd</sup> party data replication solutions including Hitachi TrueCopy, HP Continuous Access XP, EMC SRDF, EMC MirrorView, NetApp SnapMirror, IBM PPRC, IBM HADR, and Oracle DataGuard.

Combined, VERITAS Cluster Server, 3<sup>rd</sup> party replication, and the corresponding VERITAS Cluster Server 3<sup>rd</sup> party replication Agents provide a fully integrated solution for Datacenter Availability.

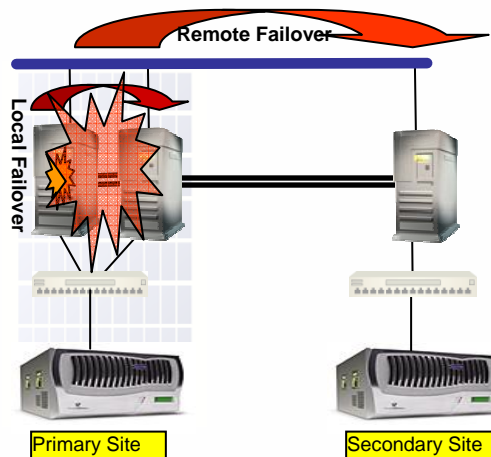
#### SOLUTION DETAILS

VERITAS Cluster Server and the various VERITAS Cluster Server 3<sup>rd</sup> party replication Agents completely automate the process of replication management and application startup at the remote site without the need for complicated manual recovery procedures involving storage and application administrators. The VERITAS Cluster Server 3<sup>rd</sup> party replication Agents provide all the necessary logic to completely control the underlying replication configuration, whether that replication operates:

- at the storage array level (e.g. EMC SRDF)
- at the database level (e.g. Oracle DataGuard)
- synchronously or asynchronously

Depending on the type of failure, this may involve reversing the direction of the replication (otherwise known as role reversal, role swap, dynamic swap, or personality swap), or simply moving the data and applications back when the original site comes back online. This complete solution also includes the capability to select automatic or operator confirmed site to site failover.

By deploying a complete and integrated disaster recovery solution, the IT department is ensured that end users will be able to access their critical data and applications, even in the event of a disaster, without the need for highly trained administrators to manage each component of the disaster recovery action. By placing all storage, application and network components under control of VERITAS Cluster Server, the user is able to create a completely automated solution that is designed to carry out the same tested and approved Disaster Recovery actions regardless of time of day or skill set of the personnel present.



#### SUPPORTED PLATFORMS

Replication	Solaris	AIX	HPUX	Linux	Windows
EMC SRDF	✓	✓	✓	✓	✓
EMC MirrorView	✓	✓	✓	✓	✓
Hitachi TrueCopy	✓	✓	✓	✓	✓
NetApp SnapMirror	✓	✓	✓	✓	✓
IBM PPRC	✓	✓	N/A	N/A	✓
Oracle DataGuard	✓	✓	✓	✓	N/A
IBM HADR	✓	✓	N/A	✓	N/A

#### RELATED PRODUCTS:

For more information on achieving Datacenter Availability please visit: <http://www.veritas.com/ha>  
VERITAS Cluster Server datasheet: <http://www.veritas.com/vcs>