

## VERITAS Volume Replicator™ *for Windows 2000 and 2003*

### ENTERPRISE-CLASS DISASTER RECOVERY FOR WINDOWS MISSION-CRITICAL ENVIRONMENTS

#### Key Benefits:

- Essential component for disaster recovery solution
- Uncompromised data integrity
- Scalable to multiple replication sites over any distance
- Replicates data between any storage hardware platform
- Easily plan and test the replication environment

VERITAS Volume Replicator provides a robust storage-independent disaster recovery solution when data loss and prolonged downtime cannot be tolerated. Volume Replicator reliably, efficiently and consistently replicates data to remote locations over any IP network for maximum business continuity. Volume Replicator provides the foundation for seamless availability across sites, whether downtime is a result of disaster, site failure, or a planned site outage.

#### PRODUCT HIGHLIGHTS

- **Data Protection** — Performs comprehensive volume group replication in both synchronous and asynchronous modes to ensure data integrity and consistency. Latency protection guards against a secondary replica site falling behind a defined amount.
- **Extensive Scalability** — Scales to support up to 32 secondary replication sites for many-to-one or one-to-many scenarios. Can replicate over any distance — across campus or across the globe.
- **Management** — Intuitive web and Java-based consoles assist with configuration and monitoring. Administrative tasks are performed online without interrupting business operations or compromising data availability.
- **Solution Integration** — Integration with VERITAS Cluster Server™ and the Global Cluster Option allows the monitoring of replication across sites and ensures that replication services are highly available. In addition, the replicated data at the secondary site can be quickly accessed by fully integrating with VERITAS Storage Foundation and VERITAS FlashSnap™.
- **Full Support of Database Management Systems** — VERITAS Volume Replicator fully supports most commercial database management systems including SQL Server and Exchange.
- **Heterogeneous Hardware Support** — Replicates between any major hardware platforms to eliminate vendor-specific storage limitations.

- **Plan and test the replication environment** — Using VERITAS Volume Replicator Advisor Tool, collect and analyze your environments data to determine appropriate bandwidth requirements before replication implementation begins. After replication is implemented, quickly and easily verify your primary and secondary sites are in synch and test the replicated data to ensure your data will be recoverable should a disaster strike.
- **Instant Access to Replicated Data** — Quickly access the replicated data at the remote site for Disaster Recovery testing and data verification.

#### OPEN SOLUTION

Unlike proprietary inflexible hardware approaches, the software-based replication of VERITAS Volume Replicator provides a reliable, efficient and cost-effective solution for geographically mirroring data sets. Organizations can replicate their data between any major hardware platforms to eliminate vendor-specific storage limitations. For example, using VERITAS Volume Replicator customers can replicate between single vendors alike arrays, between a single vendors dissimilar arrays or between two different vendors' arrays. In addition, VERITAS Volume Replicator replicates data over a standard IP network across any distance.

#### RESILIENT AND EFFICIENT

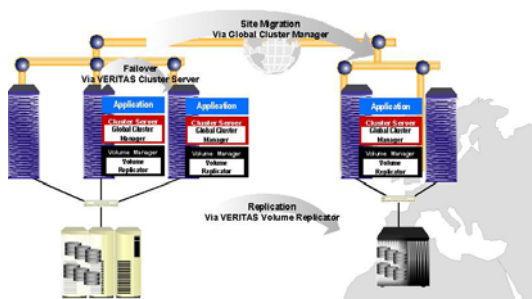
VERITAS Volume Replicator makes efficient use of network resources and keeps WAN traffic to a minimum by replicating only the data blocks that actually change. It also gracefully handles temporary network outages and failures and includes robust error-handling capabilities — which is an absolute requirement for long-distance replication over wide area networks. For example, VERITAS Volume Replicator can switch from synchronous to asynchronous mode on the fly to eliminate downtime under network failure scenarios. In addition, VERITAS Volume Replicator provides rapid resynchronization in the event of a migration from a primary to a secondary site. This rapid, delta-based, logging and resynchronization capability means that failover and failback can occur under all shutdown scenarios (graceful and non-graceful) without having to resend entire data sets over the network. VERITAS Volume Replicator also provides a free tool, VERITAS Volume Replicator Advisor, to assess and analyze the environment before implementing replication to ensure that the bandwidth requirements are met.

### UNCOMPROMISED DATA CONSISTENCY

VERITAS Volume Replicator maintains data consistency within and among volumes to deliver uncompromised data integrity at secondary locations whether operating in synchronous or asynchronous mode. Synchronous replication does not allow the secondary to get behind, or lag, thereby eliminating the threat of any data loss. Like the synchronous replication, asynchronous mode guarantees data consistency or integrity, but allows the secondary to lag slightly. This asynchronous capability makes VERITAS Volume Replicator ideally suited to provide maximum performance over long distances. By faithfully maintaining write order fidelity within and among volumes, VERITAS Volume Replicator ensures data integrity in any mode for any application environment, including all major database management platforms. In addition, the replicated data at the secondary location can be easily accessed for data processing and disaster recovery testing to ensure that the data is always protected.

### COMPLETE HIGH AVAILABILITY DISASTER RECOVERY SOLUTION

The full integration of VERITAS Volume Replicator and VERITAS Cluster Server including the Global Cluster Option, provides a powerful high availability disaster recovery solution. VERITAS Cluster Server handles local availability issues. VERITAS Volume Replicator replicates critical data to a remote site, and the Global Cluster Option monitors and manages the replication jobs and clusters at each site. In the event of a site failure or complete failure of applications at the primary site, the Global Cluster Option will control the shift of replication roles to the secondary site, bring up the critical applications and redirect client traffic with a single command or mouse click.



Decrease downtime and data loss with the VERITAS High Availability Disaster Recovery Solution

### WORLD CLASS HIGH AVAILABILITY AND DISASTER RECOVERY CONSULTING SERVICES

A solution for high availability and disaster recovery doesn't stop with the technology. Disaster Recovery and Business Continuity requires recovery objective analysis, plan recovery and strategies to name a few. VERITAS not only provides a proven solution for high availability and disaster recovery, but also offers world-class consulting services to help you define requirements and procedures while ensuring that current investments are utilized.

When used in conjunction with the entire suite of VERITAS high availability technologies and services, VERITAS delivers the ultimate disaster recovery solution when data and application availability is paramount.

### SUPPORTED PLATFORMS

- Microsoft Windows 2000, 2003
- Also available on AIX, HPUX and Solaris



### RELATED INFORMATION

- VERITAS Volume Replicator for UNIX Datasheet
- VERITAS Storage Foundation Datasheet
- VERITAS Cluster Server Datasheet
- VERITAS Services Datasheet
- VERITAS Disaster Recovery Services Datasheet
- VERITAS Supported Clustering Architectures Datasheet

For more information visit:

<http://www.veritas.com/volumereplicator>