

AxiomONE Volume Replicator

Pillar Axiom™ Storage System



- Continuous replication
- Heterogeneous support
- Intelligent bandwidth and storage conservation

Pillar Data Systems™ delivers state-of-the-art volume replication and data protection for heterogeneous SAN environments with the AxiomONE™ Volume Replicator. Its high-availability design supports consolidation of distributed replication resources into a single, reliable data protection solution that reduces total cost of ownership. One centrally managed solution replaces many disparate niche products to reduce complexity and cost. Local and remote replication capabilities protect enterprise data centers from catastrophic events that affect entire data centers, with rapid restore capabilities enabling a Recovery Time Objective (RTO) of minutes. Innovative technologies conserve bandwidth and reduce block storage size.

The optional AxiomONE Continuous Data Protection (CDP) module guarantees data integrity and protects against transaction loss with immediate restoration to any point in time, protecting data against disruptions caused by viruses, data corruption, server failures, software errors, or end-user errors.

Features and Benefits

- **Continuous replication** with minimal impact on application performance enables immediate recovery to reduce costs associated with downtime. Seamless integration into databases and other applications prevents transaction loss.
- **Heterogeneous system support** protects existing investments in hosts, servers, and storage from multiple vendors and facilitates storage consolidation projects. It controls replication costs and supports deployment of low-cost storage at secondary sites.
- **Multiple, consistent transaction snapshots** with any-point-in-time rollback protect against transaction loss due to data corruption. AxiomONE Volume Replicator makes frequent, small aperture (seconds apart) snapshots and writes them to local or offsite storage to facilitate rapid recovery in database environments.
- **Guaranteed data consistency** accelerates disaster recovery, maintains data integrity, and reduces RTO values to minutes, making the data center resilient to failures of hosts, storage, or network connections.
- **Intelligent bandwidth** through application- and storage-aware algorithms conserve bandwidth better than traditional compression techniques. Patented data-reduction technologies reduce bandwidth up to 25:1. It controls WAN bandwidth costs and prevents network congestion associated with replication.
- **Bidirectional protection over long distances** supports global disaster recovery infrastructures, enabling up-to-date data protection from regional disasters with minimal impact on application performance. Advanced replication technology supports conventional offsite replication repositories or use of active-active data center architectures for failover and disaster recovery.
- **Direct read/write access to secondary site** allows immediate access to replicated data without first requiring an intermediate or additional copy. This supports robust failover and fail-back capabilities to reduce management and operational costs over systems that do not offer this feature.
- **Dual Gigabit Ethernet port connectivity** uses a standard IP interface for remote replication. Leveraging existing IP LAN and WAN resources eliminates the need for dedicated edge-connect and protocol-conversion devices to reduce networking costs associated with replication services.
- **Supports active-active Windows clustering** between two sites over distances that exceed thousands of miles. Certified by Microsoft, the AxiomONE Volume Replicator system supports all Windows applications including SQL and Exchange. This feature protects against data center or server failures through long-distance replication of live systems with minimal impact on application performance.
- **GUI- or CLI-based management** enables application-driven, policy-based management to simplify and centralize block-based replication throughout the enterprise. The efficient, intelligent management system reduces the cost of disaster recovery operations through increased system availability and proactive fault management such as a call-home feature that reports system status in case of any failure. Accessible from a secure Internet connection, the management system provides automated discovery of LUNs for rapid provisioning and management, and SNMP-enabled integration with standard enterprise, network, and system management applications.

For More Information

Contact Pillar Data Systems at 1.877.252.3706 or visit www.pillardata.com

