



# TimeScale™ 600

Clustered, bidirectional, asynchronous data replication for maximum protection across distances

Xiotech Corporation's TimeScale 600 Series leverages the Magnitude 3D® storage system to deliver fast, secure, data replication across any distance.

Xiotech is committed to meeting diverse business needs and offers the TimeScale 600 Series as a simple solution for data replication. This solution makes efficient use of existing network bandwidth to intelligently move data between sites, while ensuring data integrity. The TimeScale 600 Series connects to the storage area network (SAN) and Internet Protocol (IP) infrastructure, providing bidirectional data replication for heterogeneous server environments. The solution delivers superior data protection at a fraction of the total cost of existing solutions.

## Solution Highlights

### Universal Data Protection

The TimeScale 600 Series provides data replication across heterogeneous server platforms, enabling a complete data protection solution for your entire enterprise.

### Guaranteed Data Consistency

The TimeScale 600 Series guarantees a consistent replica of business-critical data in the event of any possible failure or disaster. Many products available today cannot guarantee consistency through rolling disasters or during resynchronization.

Consistency is maintained at all times, even with data that spans Magnitude® family solutions and heterogeneous servers.

### Intelligent Use of Bandwidth

The TimeScale 600 Series employs intelligent technologies that deliver an unprecedented reduction in bandwidth requirements. This provides the best possible level of protection for the available bandwidth, while dramatically reducing wide area network (WAN) costs, particularly over long distances.

## Capabilities Highlights

- Universal data protection
- Guaranteed data consistency
- Intelligent use of bandwidth
- Policy-based data replication
- Synchronous protection over long distances
- Recovery to any point in time
- Data processing at the secondary site
- Always-on availability and unlimited scalability
- Intuitive management

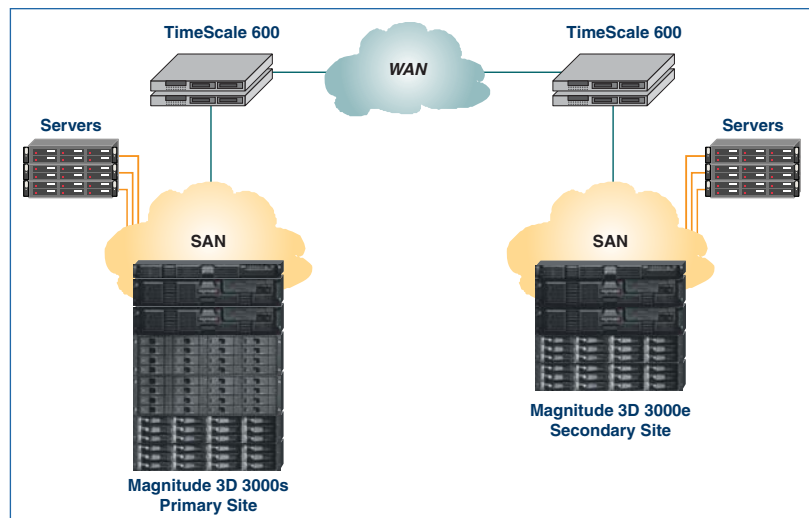


Fig. 1. Remote Geo-Replication Between Magnitude 3D 3000 Systems Using the TimeScale 600 Replication Appliance

## Policy-Based Data Replication

The TimeScale 600 Series offers a full spectrum of replication modes from synchronous to asynchronous, and from small aperture snapshot to point in time. The replication process is managed automatically, with strict adherence to user-defined policies that are tied to business objectives. The system adapts its replication dynamically, based on the available bandwidth and application workload, to achieve the stated business objectives for each application. This greatly simplifies data and disaster recovery management for complex and heterogeneous environments.

## Synchronous Protection Over Long Distances

The TimeScale 600 Series delivers synchronous levels of protection with no application degradation and no distance limitations, without the cost of additional storage. This unique capability shatters today's distance/latency limitations and enables completely up-to-date protection from regional disasters with no impact on application performance.

## Recovery to Any Point in Time

The TimeScale 600 Series efficiently maintains a snapshot history to allow convenient rollback to any point in time, enabling a quick recovery. It supports multiple transactional-consistent snapshots at the remote site, allowing reliable recovery in database environments. Frequent, small-aperture snapshots (seconds apart) are utilized to minimize the risk of data corruption.

## Data Processing at the Secondary Site

The TimeScale 600 Series enables direct read/write access to data at the secondary site, without the need to first make an additional copy. It supports robust failover and failback capabilities, reducing management and operational costs.

## Always-on Availability and Unlimited Scalability

The TimeScale 600 Series employs a cluster of multiple, active-active independent appliances, resulting in unlimited scalability and always-on availability.

## Intuitive Manageability

The TimeScale 600 Series offers multiple management features that make implementation and operation extremely easy. The system, consisting of any number of appliances, is centrally managed through a single intuitive graphical user interface (GUI) or through a command line interface (CLI), both of which are accessible from a secure Internet connection. It is SNMP-enabled for integration with standard enterprise, network, and system-management applications, and it offers a call-home capability that proactively reports system status in the event of any failure.

## Lowest Total Cost of Ownership

The TimeScale 600 Series is designed to provide superior data protection at a fraction of the total cost of competitive solutions. Dramatic savings are delivered in bandwidth, storage, software, infrastructure, and operations costs. Furthermore, the state-of-the-art data protection capabilities of the system eliminate the costs associated with lost transactions and downtime.

## Summary

Xiotech's TimeScale 600 Series provides a resilient, easy to use, and scalable storage solution—complete with safe, fast data replication between geographically distant sites. With TimeScale 600, you can build an effective disaster resilience strategy and enjoy the lowest total cost of ownership in the industry.



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