

DataScale™ GeoRAID™ Software

High Availability without Complexity

A Full Spectrum Data Protection Solution



Nonstop availability

of your data and applications is critical; however, your organization may not have the resources typically needed to ensure such availability. Traditionally, you would need to purchase, implement, and manage two fully redundant storage and server environments—with complex data mirroring and failover between the systems.

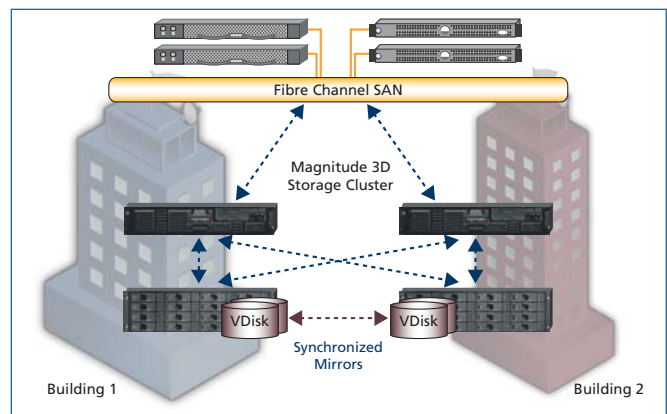
The Magnitude 3D® family of storage systems and DataScale GeoRAID software from Xiotech Corporation deliver nonstop data and application availability that is easier and less costly to manage.

The Solution

DataScale GeoRAID Software

Magnitude 3D systems are composed of clustered, virtualized components that you can distribute as needed—across your data center or, with Xiotech's Distributed Cluster Interconnect (DCI), across town. If an outage occurs, Magnitude 3D 3000 provides automatic, transparent failover both within components and across the cluster.

But what about the storage volume (virtual disk)? You could mirror each volume from one location to the other, but that would require some added configuration plus management of two separate volumes. DataScale GeoRAID software eliminates this requirement. It creates each virtual disk in two physical locations within the storage cluster. If one location suffers an outage (e.g., due to drive bay or power failure), DataScale GeoRAID automatically redirects access to the surviving virtual disk. You maintain nonstop storage availability, yet have only a single volume to manage.



DataScale GeoRAID software creates storage volumes across two physical locations within a single Magnitude 3D storage cluster—and provides automatic volume failover in case of a local outage.

With Magnitude 3D systems, you can quickly and easily reassign virtual disks to replacement servers. However, you can eliminate all manual intervention by also implementing server clustering or high-availability server virtualization. If there is an interruption at one of the locations, DataScale GeoRAID and the server clustering or virtualization software will independently sense the outage and automatically fail both the virtual disks and servers to available resources.

The Result

Magnitude 3D storage systems with DataScale GeoRAID software go beyond the protection available with any other storage system today. They deliver:

- Uninterrupted storage access during local outage
- No added complexity—one volume to manage
- Integration with server clustering and virtualization technology for maximum availability