SIOS DataKeeper
Replication and #SANLess Clustering Software

Key Benefits

Configuration Flexibility

- Protect all server workloads.

- Replicate within a single site or across data centers.

- Use heterogeneous servers and storage.

Save Money

- Eliminate the cost and single point of failure risk of shared-storage (i.e., SANs).

- Get the most value from your investment in systems and storage with broad OS and hardware support.

- Reduce data transfer costs in cloud environments.

Reduce Complexity

- Automate data replication tasks using an intuitive data management GUI.

- Eliminate complexities of SAN administration.

Optimizes Performance

- Efficient replication engine minimizes network traffic—without hardware accelerators or compression devices.

SIOS DataKeeper software is an important ingredient in your cluster solution that lets you add disaster recovery protection to your Windows cluster or to create a #SANLess cluster for complete failover protection in environments where shared storage clusters are impossible or impractical, such as cloud, virtual servers, and high performance storage environments. Clusters built with SIOS software protect applications and data in physical, virtual, and cloud environments and provide enterprise-class protection for all server workloads at a fraction of the cost of array-based replication.

SIOS DataKeeper uses fast, efficient, block-level replication to transfers data across both local and wide area networks with minimal bandwidth. It delivers incredibly fast replication speeds without the need for additional hardware accelerators or compression devices.

SIOS DataKeeper Standard Edition

SIOS DataKeeper Standard Edition is a lightweight, host-based solution that minimizes the performance impact of replication on your application servers and network. It keeps real-time copies of data synchronized across multiple servers and data centers for fast, efficient disaster recovery.

SIOS DataKeeper Cluster Edition

SIOS DataKeeper Cluster Edition is a performance optimized host-based replication solution for Windows Server 2008 R2, 2012, and 2012 R2 that integrates seamlessly with Windows Server Failover Clustering (WSFC). SIOS DataKeeper Cluster Edition lets you protect your business-critical Windows environments, including Microsoft SQL Server, SharePoint, Lync, Dynamics, and Hyper-V from downtime and data loss using a SAN or #SANLess cluster in a physical, virtual, or cloud environment.

#SANLess Clusters

SIOS DataKeeper Cluster Edition lets you build a cluster using your choice of industry-standard hardware and local attached storage in a "shared-nothing" or #SANLess configuration. It keeps all storage synchronized, giving the standby servers in your cluster immediate access to your most current data in the event of a failover. SIOS #SANLess clusters not only eliminate the cost, complexity, and single-point-of-failure risk of a SAN, they also enable you to leverage the latest in fast PCIe Flash and SSD storage for performance and protection in a single cost-efficient solution.

Protecting Applications and Data in the Cloud

SIOS DataKeeper lets you run your business critical applications in a flexible, scalable cloud environment, such as Amazon Web Services (AWS) without sacrificing performance, high availability or disaster protection.

SIOS DataKeeper provides highly efficient, real time replication and failover in cloud environments and lets you failover application instances across availability zones for protection from local, area, and regional disasters.

Innovative Performance Tuning

SIOS DataKeeper features an innovative tuning capability with an intuitive interface that lets you balance network bandwidth and CPU utilization for each application to best meet your requirements and business objectives.
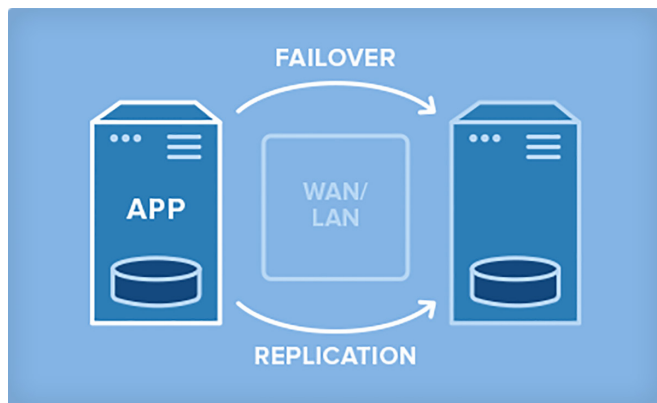
If fast replication is critical, SIOS DataKeeper can achieve more than 90 percent bandwidth utilization to accelerate data synchronization. If minimizing network impact is your top priority, SIOS DataKeeper offers integrated compression and bandwidth throttling.

Faster Reporting

SIOS DataKeeper's Target Snapshots feature gives you point-in-time access to run reports from a secondary node, offloading workloads that can decrease the performance of the primary node. It enables your primary node to deliver better performance, while giving you faster queries, better resource utilization and a more satisfying end user experience.

Complete Data Protection

Unlike file replication technologies, SIOS DataKeeper's block level replication engine, efficiently and completely replicates all data and critical metadata information, including data access permissions. It also easily replicates encrypted files, open files and other formats that challenge file-level replication solutions.

About SIOS

SIOS delivers innovative software solutions that provide application availability and disaster protection for Windows and Linux environments.

Clusters Your Way.™

An essential ingredient in any cluster solution, SIOS SAN and #SANLess clustering software provides the flexibility to build clusters your way to protect your choice of Windows or Linux environment – and any configuration (or combination) of physical, virtual and cloud (public, private, and hybrid) storage – without sacrificing performance or availability. SIOS provides unique #SANLess clustering software that eliminates both the cost and the single-point-of-failure risk of traditional SAN-based cluster solutions.

Founded in 1999, SIOS Technology Corp., is headquartered in San Mateo, California, and has offices throughout the United States, United Kingdom, and Japan.

Microsoft Partner
Gold Application Development

Windows Server 2012 Certified

CERTIFIED FOR Windows Server® 2008 R2

Build a cluster using only local storage in a #SANLess configuration without shared storage. SIOS DataKeeper Cluster Edition uses efficient block-level replication to keep local storage synchronized, enabling the backup servers in your cluster to continue operate after a failover with the access to the most recent data. SIOS #SANLess clusters not only eliminate the cost, complexity, and single-point-of-failure risk of a SAN.

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