DataKeeper

SIOS DataKeeper Cluster Edition

HA/DR WITHOUT THE COST AND COMPLEXITY OF SHARED STORAGE

Protect critical Windows applications from downtime and disasters with SIOS DataKeeper Cluster Edition. Simply add SIOS DataKeeper to your Windows Server Failover Clustering (WSFC) environment for HA/DR clustering without the cost and single point-of-failure risk of shared storage. Fast, block-level replication synchronizes local storage on all nodes, giving the standby servers immediate access to your most current data in the event of a failure.

Simple, Flexible WSFC in the Cloud

Migrating your critical applications to AWS EC2, Microsoft Azure or Google Cloud Platform doesn't mean giving up your WSFC environment. Shared storage required in traditional clusters adds significant cost and complexity in some clouds and is not available in others. Add SIOS DataKeeper to WSFC for easy, cost-efficient HA/DR protection for SQL Server, SAP, Oracle Database, MaxDB and other critical applications in the cloud.

High Performance without the High Price

Use the latest in PCIe flash and SSD storage in your SANless cluster for performance and protection in a single value-efficient solution.

Cutting-Edge Performance Tuning

Innovative performance tuning allows DataKeeper to achieve more than 90% bandwidth utilization for fast data synchronization. No additional hardware accelerators or compression devices are needed. Integrated compression and bandwidth throttling minimizes network impact and minimizing bandwidth cost.

Save Up to 70% on Software Licensing Costs

Get enterprise-class clustering features without the need to upgrade to more expensive SQL Server Enterprise Edition or Oracle Database Enterprise Edition.

Protect Unlimited Number of Databases

Unlike SQL Server Always On Availability Groups, which has ~100 database limit, SIOS DataKeeper protects an unlimited number of databases.

Complete Configuration Flexibility

Unlike SQL Server Always On Availability Groups which only supports two nodes in SQL 2014 (and earlier) and three nodes in SQL 2016 (and earlier), DataKeeper gives you the flexibility to create a multi-node cluster without a limit to the number of failover nodes. Add a DR node in the cloud or DR site easily. Mix physical, virtual, cloud nodes.

Efficient Reporting

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 improved performance, while giving you quicker queries, better resource utilization and a more satisfying end-user experience.

Complete Data Protection

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

Key Benefits

Configuration Flexibility

- Protect all server workloads
- Replicate within a single site or across data centers
- Use heterogeneous servers and storage
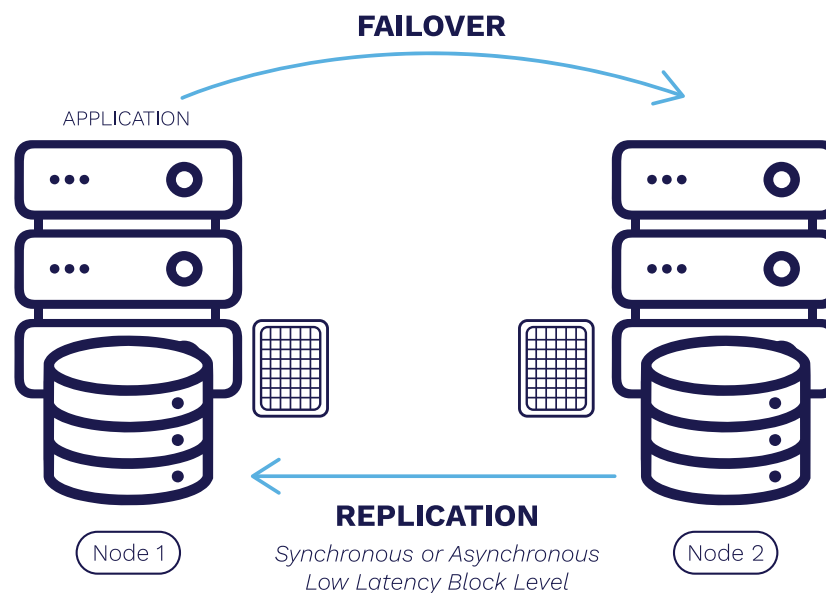
Reduce Complexity

- All Changes made to primary node are automatically made to secondary nodes
- Remove complexities of SAN administration
- Supports Unlimited Databases
- Protects Master, MSDB, and other System Databases
- Automated, one-step switchover reduces risk of data loss and downtime

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
- Lower data transfer costs in cloud environments
- Eliminate cost associated with SQL Server Enterprise Edition

Optimize Performance

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

FAILOVER

APPLICATION

Node 1

Node 2

REPLICATION

Synchronous or Asynchronous Low Latency Block Level

About SIOS Technology

SIOS Technology Corp. high availability and disaster recovery solutions ensure availability and eliminate data loss for critical Windows and Linux applications operating across physical, virtual, cloud, and hybrid cloud environments. SIOS clustering software is essential for any IT infrastructure with applications requiring a high degree of resiliency, ensuring uptime without sacrificing performance or data – protecting businesses from local failures and regional outages, planned and unplanned. Founded in 1999, SIOS Technology Corp. (https://us.sios.com) is headquartered in San Mateo, California, with offices worldwide.

Gold Microsoft Partner — Application Development

Microsoft

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Advanced Technology Partner — Microsoft Workloads

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