

LifeKeeper for Windows

SAN AND SANLESS CLUSTER SOFTWARE

LifeKeeper for Windows is a tightly integrated combination of high availability (HA) failover clustering, continuous application monitoring, data replication, and configurable recovery policies. It delivers 99.99% application availability, and disaster recovery (DR) for applications running on Microsoft Windows Server in physical, virtual, cloud, hybrid cloud and multi-cloud environments.

SAN or SANless Configuration Flexibility

SIOS provides the flexibility to build your choice of SANless clusters (using any locally attached storage), or shared storage clusters (using any shared storage device that supports SCSI-3 persistent reservations, such as direct attached SCSI, iSCSI, and Fibre channel SAN). Standby servers can be either local or remote, supporting both HA and DR configurations. Use LifeKeeper for Windows on premises, in cloud, or in multi-cloud environments.

Protecting Applications in the Cloud

LifeKeeper provides HA and DR for business-critical applications in Amazon Web Services EC2, Microsoft Azure, and Google Cloud Platform cloud without sacrificing performance. It enables failover of application instances across both cloud availability zones and regions for protection from site-wide and regional disasters.

In-depth Monitoring for Complete Protection

Unlike other solutions that only monitor server operations, LifeKeeper monitors the health of the entire application environment including: network, storage, operating system, database, application software, and server hardware.

Application Intelligence

SIOS LifeKeeper is bundled with SIOS application recovery kits (ARKs) for a host of mission-critical applications, including SQL Server, Oracle Database, Postgres SQL, and SAP HANA. ARKs provide application-specific intelligence for simplifying setup, automating manual tasks and orchestrating failover in compliance with application best practices.

Minimizing Failovers with Intelligent Restart

LifeKeeper speeds recovery and reduces the need for failover by automatically attempting to restart a failed application on the primary server and initiating a failover only when restart is unsuccessful.

Optimized for Performance

SIOS LifeKeeper comes bundled with SIOS DataKeeper which provides block replication and integrated WAN acceleration for SANless clustering and DR. SIOS DataKeeper delivers optimal throughput, regardless of the speed or latency of the WAN link, without the need for hardware-based WAN accelerators.

The Target Snapshots feature ensures high performance is not impeded by running reports on the primary node. Point-in-time snapshots can be run on the secondary node, allowing reports to be run on it, reducing workloads on the primary node, while providing faster queries, better resource utilization, and a more satisfying end-user experience.

Zero Downtime Maintenance

Confirm the recoverability of your applications and data and perform upgrades and maintenance with minimal impact to your production network. Advanced clustering allows you to perform rolling upgrades and maintenance without service interruption.

Efficient DR Testing

Administrators can easily pause replication from primary to secondary node(s) at the DR site for testing, allowing you to keep applications in service while completing DR testing by simply unlocking the target data and bringing the application into service on the backup system.

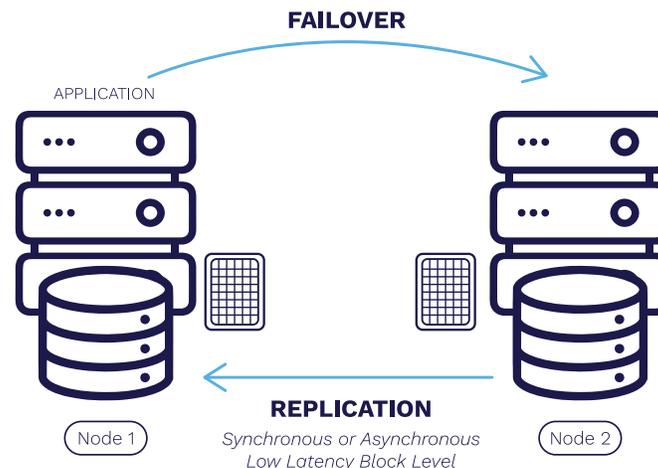
System Requirements

SIOS Protection Suite for Windows supports:

- OS: Windows Server 2008 R2, 2012, 2012 R2, 2018, 2019
- Storage: Any local storage can be used for SANless clusters. SAN based clusters require storage that supports scsi-3 persistent replication.

These operating system are supported for guests running on the following virtual platforms:

- Amazon EC2 (AWS)
- VMware ESXi 5.5 or later
- Microsoft Hyper-V Server 2008 R2 or later
- Google Compute Cloud (GCP)
- KVM with Kernel 2.6.32 or later



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.



Microsoft Workloads

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