SIOS LifeKeeper for Linux

SAN AND SANLESS CLUSTER SOFTWARE

SIOS LifeKeeper for Linux enables businesses to create a high availability (HA) cluster quickly and easily to protect critical applications from downtime and disasters. SIOS LifeKeeper software is a tightly integrated combination of failover clustering, continuous application monitoring, data replication and configurable recovery policies to protect a wide range of critical applications including SAP, S/4HANA, Oracle, MaxDB, and SQL Server.

Configuration Flexibility

Use SIOS LifeKeeper to protect applications on premises, and in cloud, hybrid cloud or multi-cloud environments. SIOS LifeKeeper can recover a service or application both locally and on a cluster node located in a different cloud region or geographic location. Create a SAN or SANless cluster using your choice of storage devices including direct attached storage, iSCI, and Fibre Channel. Lifekeeper supports Red Hat Enterprise Linux, SUSE Linux Enterprise Server, Oracle Linux, and accommodates a wide range of storage architectures. Replicate to a third node in a different location for complete DR protection.

Advanced Monitoring

Unlike other clustering software that only monitors server operation, LifeKeeper monitors the health of the entire application environment, including network, storage, database, operating system, and application software.

Intelligent Application Protection

SIOS Protection Suite includes application-specific recovery kits (ARKs) that automate configuration, validate user input, provide application monitoring, and automatically orchestrate failover in compliance with application best-practices.

Risk-Free DR Testing

SIOS LifeKeeper's switch over/switch back capabilities makes it easy to perform frequent, risk-free failover and DR testing to ensure the reliability of your application failover and DR.

Fast, Reliable Failover

When SIOS LifeKeeper detects an issue, it automatically restarts the application services on the same cluster node, often restoring operation. If necessary it fails over to the standby node(s), recovering application operation quickly and efficiently.

Simple Deployment

Deployment cloning feature lets you deploy multiple SIOS clusters in minutes by importing predefined instructions for configuration with consistent, predefined settings and integrated best practices.

SANless Clustering

SIOS LifeKeeper comes bundled with WAN- optimized SIOS DataKeeper replication for SANless clustering. DataKeeper provides continuous synchronous or asynchronous replication from local storage on the primary cluster node to local storage on one or more standby nodes for simple SANless clustering. Create multiple real-time copies through one-to-many replication for added protection. Use efficient SIOS data replication for fast, orderly data migration or relocation to a new VM.

Eliminate Planned Maintenance Downtime

Fast, efficient switchover lets you use LifeKeeper to perform maintenance with zero downtime. Simply perform maintenance to standby nodes and switchover to it. Perform maintenance to the primary node and switch back.
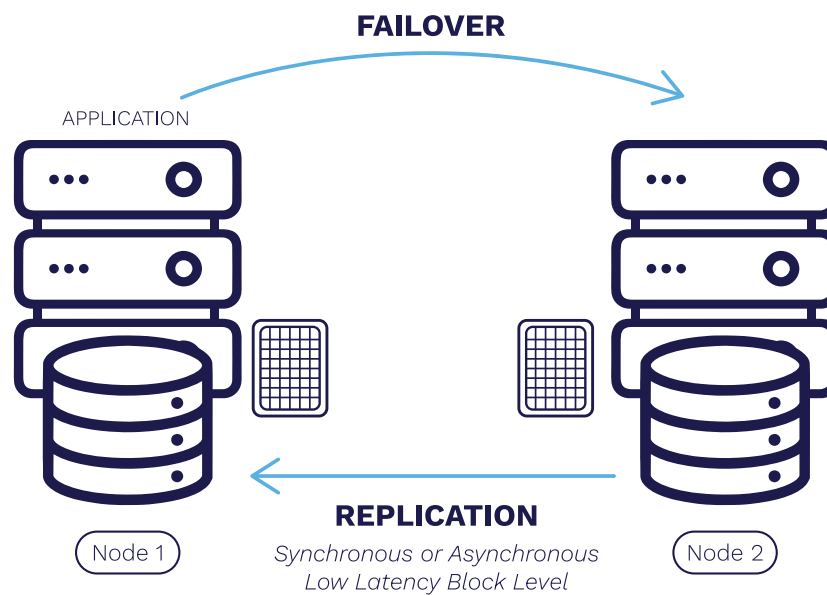
System Requirements

SIOS Protection Suite for Linux supports the following:

Linux Operating Systems:

- RHEL 7.x, 8.x
- SLES 11, 12
- CentOS 8x
- Oracle Linux 6.x, 7.x, 8.x

Storage:

Local Storage (HDD, Network Attached Storage (NAS). Fibre Channel SAN (Single-Path or Multi-path), iSCSI

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.

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