# SIOS Application High Availability for Nutanix AHV Environments

## Protect applications from downtime with the perfect complement to Nutanix AHV resiliency

### Key Benefits

- Broad support: Protects applications in Linux (SUSE, RedHat, Rocky) and Windows.

- Simplicity: Makes high-availability clusters easy to implement and manage.

- Unparalleled reliability: Highly automated, application-aware failover orchestration.

- Comprehensive protection: LifeKeeper monitors the entire application environment.

**Products:**
- AHV Virtualization

- Nutanix Cloud Infrastructure (NCI)

**Solutions:**
- Applications

- Business Critical and Enterprise Apps

- Data Protection & Disaster Recovery

- Hybrid Multicloud

- Microsoft

- Microsoft SQL Server

- Oracle

- Private Cloud

- SAP

### Ready to get Hands-On?

Take a Test Drive

SIOS solutions tailored for Nutanix AHV environments deliver 99.99% uptime for critical applications, such as SQL Server, SAP, Oracle, and SAP S/4HANA. SIOS high-availability clustering and replication products for Windows and Linux provide easy-to-manage uptime protection without the complexity of shared storage.
SIOS LifeKeeper clustering products include application-specific plug-ins that automate configuration and management and ensure reliable failover and recovery. SIOS DataKeeper replication synchronizes local storage provided by the hypervisor for cost-saving SANless clustering.

This integrated solution combines failover clustering, continuous application monitoring, data replication, and flexible configuration. From SAP to SQL Server, SIOS protects a spectrum of essential applications.

Experience enterprise-grade high availability tailored for your Nutanix AHV environment with SIOS.

# Keep essential Linux applications running without downtime or data loss

SIOS LifeKeeper for Linux is a simple, cost-efficient clustering software that provides complete high availability and disaster recovery protection for SAP S/4HANA and SAP HANA, Oracle, MaxDB, and other essential virtualized applications.
This high availability and disaster recovery protection extends across physical, cloud, hybrid and multicloud environments. Applications protected by LifeKeeper keep running through a wide range of faults, failures in the event of local, site-wide or regional disasters, enabling you to meet your availability SLAs with ease.

### Advanced monitoring
Unlike other clustering software that only monitors server operation, LifeKeeper monitors the health of the entire application environment.

### 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) for quick and efficient application recovery.

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

### Wide-range Linux support
SIOS LifeKeeper supports all major Linux distributions, including Red Hat Enterprise Linux, SUSE Linux Enterprise Server, Rocky Linux, Oracle Linux, and accommodates a wide range of storage architectures.

# High-availability protection for Windows applications

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 high availability and disaster recovery clustering.
SIOS DataKeeper eliminates the cost risk and single point-of-failure of shared storage while ensuring that fast, block-level replication synchronizes local storage on all nodes. This gives standby servers immediate access to your most current data in the event of a failover.

### Save up to 70% on software licensing costs
Get enterprise-class clustering features without upgrading to more expensive SQL Server Enterprise Edition or Oracle Database Enterprise Edition.

### Protect an unlimited number of databases
Unlike SQL Server Always-On Availability Groups, which have a ~100 database limit, SIOS DataKeeper protects an unlimited number of databases.

### Complete configuration flexibility
DataKeeper supports multinode clusters without node limits, unlike SQL Server Always-On Availability Groups. Easily add a disaster recovery node in the cloud or at a disaster recovery site, and mix physical, virtual and cloud nodes.
LifeKeeper for Windows is a tightly integrated combination of high-availability failover clustering, continuous application monitoring, data replication, and configurable recovery policies. It delivers 99.99% application availability and disaster recovery for applications running on Microsoft Windows Server in physical, virtual, cloud, hybrid cloud and multicloud environments.

### Application intelligence
SIOS LifeKeeper includes ARKs for critical applications like SQL Server, Oracle Database, PostgreSQL, and SAP HANA. These kits streamline setup, automate tasks and manage failover according to best practices.

### Optimized for performance
SIOS LifeKeeper comes bundled with SIOS DataKeeper, which provides block-level replication and integrated WAN acceleration for SANless clustering and disaster recovery.

# Conclusion

Achieve complete high-availability and disaster recovery protection for critical Windows and Linux workloads in Nutanix AHV environments, as well as across physical, cloud, hybrid and multicloud. Sign up for a free trial at www.us.sios.com/free-trial.
Learn more at www.nutanix.com.