



# SIOS Protection Suite for Linux

## SAN and SANless Cluster Software

### Key Benefits

#### Comprehensive Monitoring

- Monitors the entire application environment - server, storage, operating system, network, database, and application.

#### Flexible Recovery

- Recovers a service or application both locally or on another cluster node at either the same site or another geographic location.

#### High Performance

- WAN optimized block level replication.

#### Protect Applications in the Cloud

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

SIOS Protection Suite for Linux is a clustering solution that provides a tightly integrated combination of high availability failover clustering, continuous application monitoring, data replication, and configurable recovery policies to protect your business critical applications and data from downtime and disasters.

### Configuration Flexibility

SIOS Protection Suite gives you the flexibility to build your choice of SAN or SANless clusters using a wide array of storage devices, including direct attached storage, iSCSI, Fibre Channel and more. Whether you need local high availability within a single site, or fast, efficient disaster recovery across multiple sites, SIOS Protection Suite for Linux meets all your business continuity needs.

### Advanced Monitoring and Management

SIOS Protection Suite monitors the health of the entire application environment, including the server, storage, operating system, network, database, and application software. It can recover a service or application both locally or on another cluster node at either the same site or another geographic location. It supports all major Linux distributions, including Red Hat Enterprise Linux, SUSE Linux Enterprise Server, CentOS, and Oracle Linux and accommodates a wide range of storage architectures.

### Efficient Failover

When a problem is detected, SIOS Protection Suite automatically initiates one of three recovery actions you have pre-selected: it attempts to restart the application on the same server; it fails over to the standby server; or it alerts a system administrator. It completes recovery or failover quickly, easily, and automatically, minimizing downtime from system failures or even entire site outages.

### Real-time Data Replication

SIOS Protection Suite provides continuous synchronous or asynchronous replication from a disk on the primary server to another disk on one or more standby servers. Replication may be configured within a single site (LAN) or across multiple data centers (WAN).

With real-time replication, SIOS Protection Suite maintains an identical copy of the data on the standby server(s) for immediate recovery from a system failure. You can also create multiple real-time copies through one-to-many replication.

Try it free!

<https://us.sios.com/free-trial>

## WAN Optimized Performance

SIOS WAN optimized replication achieves optimal throughput, regardless of the speed or latency of the WAN link, without the need for hardware based WAN accelerators. SIOS clusters deliver the perfect balance of WAN efficiency, host workload and data throughput for your environment and protection requirements.

## Eliminate Planned Downtime for Maintenance

With a click of a button, SIOS Protection Suite can also be used to switchover applications and services between systems manually to eliminate downtime associated with planned system maintenance.

## Automated DR Testing

The SIOS Protection Suite for Linux allows administrators to easily switch applications to the disaster recovery site for testing and then easily switch it back to the primary site when testing is done.

Keep applications in service in the primary node while completing DR testing by simply unlocking the target data, bringing the application into service on the backup system. You can confirm the recoverability of your applications and data with minimal impact to your production network.

## System requirements:

SIOS Protection Suite for Linux supports the following:

- **Linux Operating systems:**
  - RHEL 5.x or 6.x
  - SLES 11, SP1, SP2, SP3
  - CentOS 5.x or 6.x
  - Oracle Linux 5.x, 6.3+
- **Storage:** Local Storage (HDD, Network Attached Storage (NAS), Fibre Channel SAN (Single-Path or Multi-path), iSCSI

### 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.

