



# #SANLess Cluster Solutions for Virtual Server Environments

## Key Benefits

### Configuration Flexibility

- Cluster VMware, Hyper-V, KVM or Xen virtual machines or Microsoft Hyper-V host machines.

### Disaster Protection

- Sitewide, local, and regional DR.

### Cost Savings

- Your choice of industry standard hardware.
- Performance, availability and replication in a single solution.

### Ease of Use

- Intuitive console for easy ongoing monitoring and management.

### Less Risk

- Eliminates the single point of failure risk of SAN.

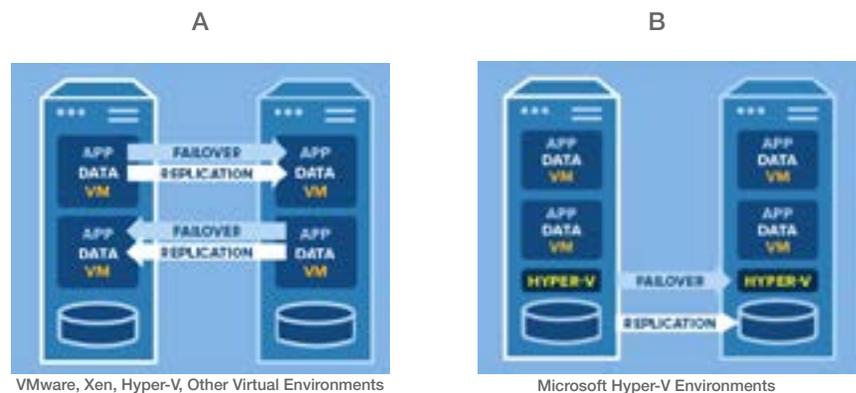
SIOS #SANLess software lets you build a cluster in a virtualized environment without the need for shared storage. You can use any local storage types available and provided by the hypervisor. SIOS software uses efficient block-level replication to keep local storage synchronized, enabling the standby servers in your cluster to continue to operate after a failover with access to the most recent data.

## Cluster virtual machines.

SIOS #SANLess software lets you create a cluster using virtual machines sitting on top of any hypervisor (VMware, Xen, Microsoft Hyper-V, and others). It uses real-time replication to synchronize storage on the primary VM with storage on a standby VM located in the same data center, in your disaster recovery site, or both. In the event of a disaster, the standby VM can be brought into service immediately, eliminating the hours needed for restoration from back-up media. You simply access the replicated VMs in the DR site directly.

## Hyper-V host clustering that supports Live Migrations.

In Microsoft Hyper-V environments, SIOS #SANLess software allows you to cluster entire Hyper-V host machines at the hypervisor level for complete VM portability and failover protection. By keeping a real-time copy of the running VM synchronized on an alternate Hyper-V host, SIOS software allows you to easily failover or Live Migrate a VM from one Hyper-V host to another. You get complete portability to move individual VMs or all of the VMs on a host to another Hyper-V host in the cluster.



Build a SIOS #SANLess cluster using virtual servers (A). In Microsoft Hyper-V environments (B), SIOS #SANLess clusters can be used at the virtual machine level for easy Live Migrations and complete server portability.

## Easy disaster recovery testing.

SIOS software also lets you restore replicated VMs to perform disaster recovery testing without disruption to the production site. When testing is complete, SIOS software eliminates changes that were made on the target server during the testing and resumes the replication from where it stopped.

## 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 environments.

Founded in 1999, SIOS Technology Corp., is headquartered in San Mateo, California, and has offices throughout the United States, United Kingdom, and Japan.

