

StarWind SAN V8

Turns any Windows server into a fault-tolerant SAN

New StarWind SAN V8 allows SMBs to unlock features of Hyper-V and VMware virtualization, such as Live Migration, HA Clustering, vMotion and VMware HA, without the complications and costs generated by expensive physical shared storage solutions.

The product can work as a 2-node HA cluster on any COTS hardware with no costly RAIDs! It boosts efficiency with log-structuring and flash-caching, and scales to an unlimited number of nodes as your business grows.

KEY FEATURES

- ✓ Scale-out architecture: from two nodes up to unlimited
- ✓ Distributed write-back RAM and flash caching
- ✓ LUN-level asynchronous replication for DR
- ✓ Log-structured file system that eliminates random writes **Experimental**

TECHNICAL SUPPORT

The qualified StarWind support team is always ready to assist!

Contact:

www.starwindsoftware.com/support

vmware®

Support for vSphere 5.5



Windows Server 2012 R2
Hyper-V

Support for Windows Server 2012 R2

What does StarWind SAN deliver?

Low implementation costs and quick ROI

StarWind SAN eliminates hardware lock-in and works on any commodity servers. It delivers most popular storage features that enable good use of existing resources and minimal capital outlay. This product cuts costs by:

- ✓ **Building two-node HA configuration** that can be extended at any time to any number of nodes in line with your needs
- ✓ **Using cheap COTS hardware**, SATA and SAS MLC disks; implementation of refresh scenario for obsolete hardware
- ✓ **Avoiding resources overprovision** with the scale-out architecture; you add more cluster nodes as you go
- ✓ **Reducing disk space consumption by 80%** using in-line deduplication and thin provisioning with space reclaim. You can store ten times more VM data on expensive flash or other primary storage!
- ✓ **Building NAS on top of iSCSI SAN** – the unified SAN/NAS storage cluster reduces storage and management costs substantially.

99.99% or 99.9999% uptime in a cluster with any number of nodes

StarWind's software ensures business continuity for a cluster with any number of nodes! As a scale-out solution it allows a storage cluster to be expanded to an unlimited number of hosts and it provides 2- or 3-way replication between its partner LUNs. Therefore, your shared storage can reach 99.99% or 99.9999% uptime and become resilient to one- or even two-node failure for a particular LUN.



You can try StarWind SAN
for FREE right now!

Download a 30-day **free trial**:
www.starwindsoftware.com

Remote disaster recovery site with a copy of critical data

LUN-level asynchronous replication over WAN creates a reliable disaster recovery site which protects your data in case of massive outages or disruptions. Unlike its competitors, StarWind provides this valuable technology at no additional charge.

Long productive life of flash devices and maximum performance of VMs

StarWind SAN was designed from scratch to support flash devices, use them as primary storage and treat carefully. The following features ensure high performance rates and effective storage utilization:

✓ **Distributed write-back RAM and flash caching**

Multi-level caching eliminates random reads and reduces a number of spoofing writes, which speeds up access to most frequently used data. As far as RAM and flash caching are distributed, it is possible to launch VMs from a “hot” cache state.

✓ **In-line deduplication and thin provisioning with space reclaim**

StarWind’s dedupe saves disk space for valuable information and stores only unique data, while thin provisioning enables allocation of storage resources in-line with the current needs of the environment.

✓ **Log-structured file system (LSFS) *Experimental***

LSFS replaces small random writes with one big sequential write, which eliminates the negative I/O blender effect that is characteristic of virtual environments. The technology does not overwrite existing data but stores it on free disk space, which also lengthens the useful life of flash media.

✓ **Support for VMware VAAI and Microsoft ODX *Experimental***

VMware VAAI and Microsoft ODX accelerate data transfer between nodes and offloads tasks to the storage. As a result, this product improves overall performance and reduces CPU load, memory usage and bandwidth consumption.

Shared storage that is easy to manage for any Windows administrator

StarWind SAN is installed and configured within a couple of minutes! It doesn’t require any special skills or knowledge; our wizards will guide you through all the operations. And we are always ready to assist – the StarWind SAN license includes FREE* support from highly qualified technicians for one year.

* Commercial licenses of StarWind SAN include one year of FREE standard technical support.