

StarWind Native SAN for Hyper-V

Cheapest Way to Run Hyper-V

KEY FEATURES

- High Availability
- Mirroring & Replication
- Global Deduplication
- Thin Provisioning
- Single Management Console

USES

- Hyper-V Virtualization
- Server Consolidation
- Server Clustering
- Shared Storage

BENEFITS

StarWind users obtain the enterprise-level storage with:

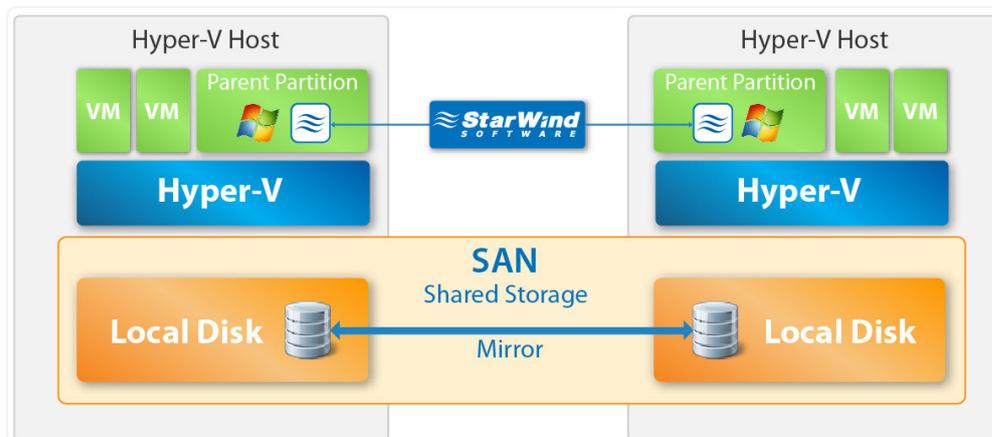
- High Availability
- Fault tolerance
- High performance
- Increased reliability
- Scalability
- Disaster Recovery
- Business Continuity
- High speed of data transfer and processing
- Reduced downtime
- Protection of virtual machines

StarWind converts industry standard network and servers into a SAN

- Efficient use of your existing storage resources
- Reduced cost of your storage infrastructure
- No need to buy expensive proprietary servers or network switches (just buy additional hard disks)
- 10 Gigabit Ethernet Support (GigE)

Two-Node Configuration: Same Reliability, Half the Cost

StarWind Native SAN for Hyper-V only requires two already existing Hyper-V servers to run a completely highly available cluster. As a result, StarWind needs ½ of the expected server hardware and less or no network equipment: switches, network cards, cabling etc. Redundancy of resources in your Hyper-V two-node configuration provides the efficient use of your hardware, protection of your virtual machines, and zero downtime. Two servers deliver higher performance and the same level of data protection as the industry standard four-node configuration.



Schema: StarWind Two-Node Configuration

True Active-Active Storage Cluster

StarWind two-node cluster configuration is fully active-active (both cluster nodes serve I/O requests at the same time on an equal basis), so that there is no downtime for the node switch. It differs greatly from other software and hardware SAN solutions with only active-passive (basic failover) capabilities.

Pay Only for the Space You Currently Use

Thin Provisioning allows you to purchase the amount of space that you really need and are ready to use at the moment, and dynamically add more space as your data grows. Thin Provisioning enables the storage capacity extension without any impact on performance.

Data Deduplication technology removes repeated data, greatly reducing used physical disk space. StarWind provides in-line variable-block Dedupe with high speed of data processing.

High Availability that Assures Business Continuity

Irrespective of the company size and budget, moments of system disruption can be ruinous for business continuity, especially when they affect financial operations, critical data transactions or user support. To minimize downtime and decrease any risk of material losses, StarWind builds robust High Availability storage that guarantees continuous access to your data and resources.

StarWind High Availability means that even in case of failure, your storage will be permanently available and stable due to StarWind active-active cluster technology.

High Availability is definitely critical when it comes to virtual machines. StarWind Native SAN for Hyper-V totally supports the HA technology, thus effectively protecting your VMs from any downtime.

RECOMMENDED SYSTEM

- Windows Server 2008 R2 (with SP 1 installed) or Windows Server 2003 R2
- 2 GHz Intel Xeon class processor
- 4 GB of RAM
- 1 GB for application data and log files
- Dedicated disk volumes
- 1 or 10 GbE Ethernet (10 GbE is recommended)

WHO BUYS STARWIND

StarWind Native SAN for Hyper-V is a reliable and cost-effective solution. Small and mid-size companies, government institutions and Fortune 1000 clients trust StarWind.

TECHNICAL SUPPORT

StarWind provides qualified technical support for your SAN. StarWind support team is always available to help you at: www.starwindsoftware.com/support

READY FOR A TEST DRIVE?

You can download StarWind in order to evaluate and test it. Visit us now at: www.starwindsoftware.com/native-san-for-hyper-v



Asynchronous Replication

A built-in Asynchronous Replication allows for the creation of a disaster recovery site with a mirror copy of user data located somewhere miles away from the main data center. This feature provides "last chance" recovery, and ensures business continuity.

Replicating data to an offsite location guarantees that you are up and running even in case of disaster. Replication is an integral part of any DR plan of failover to a remote site, and ensures the safety and integrity of your data.

Save Your Money - Deploy your SAN on the Hyper-V server

With the StarWind solution you can build high performance, enterprise-class SAN without additional investments for new hardware. StarWind Native SAN is installed on servers running Hyper-V. Thus, we save your money on purchase of extra boxes, and reduce your maintenance time because your storage and hypervisor are located on the same machine.

Build Your SAN in Hyper-V Environment within Minutes

With the StarWind Native SAN you can build robust storage area network in a matter of minutes. Users with exceptional performance requirements can build StarWind SAN using 10 Gigabit networks. In this case, their storage area networks match FC performance but at affordable prices, without investments in the FC infrastructure (HBA, switches, cables) and training of IT staff.

StarWind Native SAN for Hyper-V was designed specifically for Hyper-V. It runs as a native Windows application inside parent partition (where Hyper-V runs itself). Such architecture differs greatly from other competitive solutions, Linux or Solaris-based, which are installed inside guest VM. The StarWind approach is native: it does not create guest VM overhead as it has full access to the server hardware. StarWind SAN is easier to manage because a storage cluster comes up synchronized. This solution will especially suit the administrators who prefer to work with Windows OS.

Simplicity is another benefit of StarWind software. Its Graphical User Interface (GUI) is easy and intuitive. There is a Single Management Console for managing your entire storage infrastructure. And you can be sure that your IT staff members definitely possesses the required skills and knowledge.

System Requirements

StarWind supports all Windows Operating Systems from Windows Server 2003 to the Windows 2008 R2 family, including Server Core editions and free Microsoft Hyper-V Server. Windows Server 2008 and 2008 R2 are required for High Availability configuration. Management Console may be installed on any Microsoft Windows above Windows XP.