StarWind

HYPERCONVERGENCE

White Paper

StarWind SAN & NAS

Data amounts grow exponentially and fast. Physical shared storage units cannot cope with the modern business needs of data growth, data availability, data integrity, and performance. They are also, usually, inadequately expensive. Alternatively, typical IT infrastructure already has underlying storage present in working hypervisor servers. Why not put it to the most optimal use?
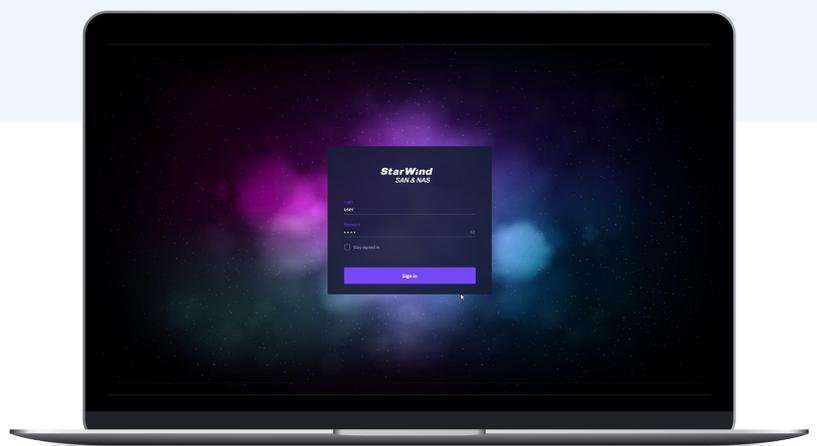
Problem

Aside from being inappropriately expensive, physical shared storage is usually limited by hardware compatibility lists (HCLs). You can only buy that which is certified by your hypervisor vendor. Even then, such costly proprietary components lack desired performance and redundancy. You may also have aging servers, which you'd otherwise throw out. It's a loss either way.

Solution

StarWind SAN & NAS is an HCL-certified software-defined storage solution for VMware vSphere and Microsoft Hyper-V. It leverages ZFS, Linux, and StarWind Virtual SAN (vSAN), allowing you to repurpose existing hypervisor servers into shared storage, high-performance storage appliance, or backup target.

Capitalize and maximize on what you already have!

Benefits

Simplicity

StarWind SAN & NAS simply deploys on top of your existing hypervisor as a VM. It then pulls all your existing storage into a shared storage pool for further use. The solution brings easy IT resources monitoring and management through a broad choice of tools.

Performance

StarWind SAN & NAS is a perfect, certified combination of the user-favorite StarWind Virtual SAN (vSAN), ZFS, and Linux, blended into a seamless high-performance mix. The solution allows to process close to 100% IOPS, optimizing all your underlying storage potential.

Cost-Efficiency

Instead of throwing out old servers or wasting money further on piling up new expensive proprietary components, reinvent what you already got. StarWind SAN & NAS repurposes aging hypervisor servers into high-performance shared storage, greatly improving your ROI.

Features

File and Block Storage

StarWind SAN & NAS supports all industry-standard block and file protocols, like SMB3, NFSv3, NFSv4, NFSv4.1, and iSCSI (including VVols on iSCSI, NVMe-over-Fabrics, and iSER). The solution leaves no chance for any storage performance bottlenecks.

Redundancy Options

The solution comes in the form of a Linux-based ready-to-go VM, making use of all ZFS features for optimal storage use, data safety, and data integrity. Choose your preferred local disks redundancy configuration among ZFS, Hardware RAID, or Linux MD/RAID.

Compatible and Certified

StarWind SAN & NAS is officially certified to work with VMware vSphere/ESXi and Microsoft Hyper-V. The solution will not present any incompatibility issues. Also, building on StarWind vSAN agnosticism, it brings unrestricted scalability options.

Industry-Best Support

Our rapidly responsive, friendly engineers will help with anything you need, from pre-sales to migration and follow-ups. ProActive Support is also available, with 24/7 monitoring, call-back-home, and automated remote troubleshooting for flawless IT environment operation.

Conclusion

StarWind believes less is more. Stop burning money on new expensive physical shared storage or new servers because you need more performance and redundancy. Repurpose what you already have with StarWind SAN & NAS, engaging your entire underlying storage capacity potential while also significantly improving your IT infrastructure ROI today.

Contacts

Phone number
+1 617 449 77 17
+44 2037 691 857
+49 800 100 68 26

Fax
+1 617 507 58 45

Voice Mail
+1 866 790 26 46

Customer Support Portal
www.starwind.com/support

Support Forum
www.starwind.com/forums

Sales
sales@starwind.com

General Information:
info@starwind.com

To learn more, visit
www.starwindsoftware.com