



CASE STUDY

BENORE LOGISTIC SYSTEMS INC.

LOCATION: MICHIGAN, USA | **INDUSTRY:** SUPPLY CHAIN LOGISTICS

Benore Logistic Systems Achieves Tenfold Performance Increase and 100 Percent Uptime with SvSAN



BUSINESS CHALLENGE

Benore Logistic Systems Inc. is a supply-chain service solutions company that has provided superior transportation and logistics services to their customers for more than twenty years. Its commitment to excellence and strong reputation as an industry leader has enabled Benore to successfully grow into an end-to-end supply-chain service provider to meet the needs of any company.

Benore previously operated a standalone SAN with their server environment. Performance was poor and the IT team wanted to add redundancy, beyond the host or SAN level, to the environment. They began to look for a replacement solution that would be easy to use and maintain and that was backed by excellent support services.

SOLUTION

Benore deployed two two-server hyperconverged clusters (one is a test system for research and development and the second is in live production). Thanks to the performance enhancements using StorMagic, all of the

company's resources in the production system now have lightning-fast data access to its databases and applications. There are eight additional VMware-based servers that access the production HCI cluster, which delivers a fault-tolerant, high-performance and maintenance-friendly environment. The solution is managed by the StorMagic WebGUI and VMware vCenter SvSAN Plugin.

The results have been clear: SvSAN has provided ease of use in a high-quality, proven solution at a very low cost. Benore liked that the solution is simple to use and the company offers straightforward, simple licensing terms and conditions. StorMagic support has gone above and beyond the call of duty, available in minutes to answer questions and they have quickly resolved issues encountered with third party tool changes and updates.



Server Configuration (Per Server)

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| SvSAN License | SvSAN Unlimited TB Gold |
| Servers | Intel Whitebox |
| CPU | Two CPU Sockets with 14 cores per socket |
| Memory | 768 GB |
| Disk Configuration | 16SSDs 8 HDD (15K) |
| Networking | Four 10GbE network cards per server |
| Hypervisor | VMware vSphere Enterprise Edition ESXI 6.7 |
| Operating Systems | Microsoft SQL Server, MS Terminal Services |
| Applications | Windows 2003-2016 Servers, Centos Linux 5+ |
| Data Protection | Unitrends Enterprise Backup |

WHY STORMAGIC

- **HIGH PERFORMANCE** - Benore Logistics has seen a tenfold performance increase compared to its previous standalone SAN environment.
- **EASE OF USE** - SvSAN has massively reduced the complexity of Benore's infrastructure. Perfect for edge computing environments, the technology is based on software-defined storage that eliminates the need for physical SANs, something that Benore directly benefited from. SvSAN is simple to use and maintain, and backed by excellent support services.

- **QUALITY AND MATURITY OF THE SOLUTION** - Today, more than 1,000 small datacenter and edge customers in 60 countries around the globe rely on SvSAN. Many StorMagic customers operate dozens, hundreds or even thousands of locations.
- **LOW COSTS** - SvSAN eliminates physical SANs by converging compute and storage into a lightweight commodity server footprint, thereby dramatically lowering costs.

“ Benore's environment has realized a tenfold increase in performance rates and experienced 100 percent uptime since installation. SvSAN just works - and works well - for the long haul. ”

Douglas Shelfoon

Executive Director of Technology, Benore Logistics

