

COMPARISON

HPE StoreVirtual VSA and StorMagic SvSAN

- This guide is to help you understand how StorMagic SvSAN can be an excellent replacement/upgrade path for existing HPE StoreVirtual customers.
- HPE has EOL the VSA of StoreVirtual. StorMagic becomes the only VSA alternative for HPE.
- StorMagic SvSAN is focused on the edge and small datacenter customer environments and is not designed for customers whose needs can be met with Simplivity HCI.
- See below for ordering information and page 2 for feature comparison chart.

HPE SKU Number	HPE Short Description	StorMagic Part number	StorMagic Description
R7H19AAE	StorMagic SvSAN 1N 2TB Base E-LTU	SM-SvSAN-SN-2TB-BASE-HPE	SvSAN Single-Node Base License - 2TB License (must add minimum 1-year Support - Per Server)
R7H20AAE	StorMagic SvSAN 1N 2TB 1yr Plat Sup	SM-MAINT-SN-2TB-PLAT-HPE1	SvSAN Single-Node 2TB Platinum Maintenance - 1 Year
R7H23AAE	StorMagic SvSAN 1N 6TB Base E-LTU	SM-SvSAN-SN-6TB-BASE-HPE	SvSAN Single-Node Base License - 6TB License (must add minimum 1-year Support - Per Server)
R7H24AAE	StorMagic SvSAN 1N 6TB 1yr Plat Sup	SM-MAINT-SN-6TB-PLAT-HPE1	SvSAN Single-Node 6TB Platinum Maintenance - 1 Year
R7H27AAE	StorMagic SvSAN 1N 12TB Base E-LTU	SM-SvSAN-SN-12TB-BASE-HPE	SvSAN Single-Node Base License - 12TB License (must add minimum 1-year Support - Per Server)
R7H28AAE	StorMagic SvSAN 1N 12TB 1yr Plat Sup	SM-MAINT-SN-12TB-PLAT-HPE1	SvSAN Single-Node 12TB Platinum Maintenance - 1 Year
R7H31AAE	StorMagic SvSAN 1N Unltd TB Base E-LTU	SM-SvSAN-SN-UTB-BASE-HPE	SvSAN Single-Node Base License - UTB License (must add minimum 1-year Support - Per Server)
R7H32AAE	StorMagic SvSAN 1N Unltd TB 1yr Plat Sup	SM-MAINT-SN-UTB-PLAT-HPE1	SvSAN Single-Node UTB Platinum Maintenance - 1 Year

Comparing StoreVirtual with StorMagic SvSAN

Storage Features	StorMagic SvSAN	HPE StoreVirtual	Notes
Shared Storage	✓	✓	StorMagic HA is always enabled and storage is presented as iSCSI target for any host to use
Synchronous Mirroring	✓	✓	
Metro / Stretched clustering	✓	✓	
Scalability	2 - 3	2 - 16	SvSAN scales out to an unlimited number of compute only nodes (no SvSAN licensing required)
Memory-based caching	✓	✗	Blazing fast performance for most common reads. Modes: most frequently used, read ahead and data pinning
Predictive storage tiering	✓	✓	Data dynamically cached between storage tiers depending on the frequency of access
Async replication and snapshots	✗	✓	StorMagic focuses on synchronous mirroring to ensure no data loss. Snapshots have not been required with our architecture
Thin Provisioning	✗	✓	Not critical for edge and small datacenters where data sets are small. Thick provisioned disks are better for performance and security
Deduplication / Compression	✗	✗	Edge sites have small data sets & don't require these features, which can impact performance. Adding 1 or 2 disks is far simpler and more cost-effective
Failover Cluster Quorum (Witness)			Notes
# of Witness Nodes Required	1:1000	1:1	StorMagic Witness VM can support up to 1,000 sites
Witness install	Lightweight	Medium	StoreVirtual requires 2x vCPU, 2GB RAM, 37GB HDD space, 2xNICs. StorMagic requires 1xcPU, 1GB RAM, 512MB HDD
Witness latency allowance	<3000ms RTT	<50ms RTT	StorMagic can tolerate poor and unreliable networks
Bandwidth required	9Kb/sec per site	1Mb/sec per site	Significantly less networking bandwidth required with StorMagic
Other			Notes
Integrated Backup	✗	✗	StorMagic and StoreVirtual both work seamlessly with all major backup vendors like Veeam and CommVault
Centralized management	✓	✓	StorMagic provides a single pane of glass management with easy to deploy VSAs, VMware datastores, and witnesses via a wizard
PowerShell Auto Scripts	✓	✗	Deploy VSAs through a GUI and automatically generate a custom PowerShell script
GUI deployment	✓	✓	Deploy and upgrade multiple VSAs through a single installation wizard
Back-to-back network mode	✓	✗	SvSAN supports back to back network connections, eliminating the need for a switch
Hypervisor Support	✓	✓	VMware vSphere, Microsoft Hyper-V, Linux KVM
System Requirements			Notes
Hardware required	Small	Medium	
Min. cluster size	2	2	
Processing	1x vCPU, 2GHz	2x vCPU, 2Ghz	
Memory	1 GB RAM	4 GB RAM	

