

COMPARISON HPE StoreVirtual VSA

- 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
R4P96AAE	StorMagic 2TB Std E-LTU	SM-SvSAN-2TB-STD-HPE	Base License Key Per Server - 2TB Standard (must add minimum 1-year Support - Per Server)
R4P97AAE	StorMagic 2TB Adv E-LTU	SM-SvSAN-2TB-ADV-HPE	Base License Key Per Server- 2TB Advanced (must add minimum 1-year Support - Per Server)
R4Q04AAE	StorMagic 6TB Std E-LTU	SM-SvSAN-6TB-STD-HPE	Base License Key Per Server - 6TB Standard (must add minimum 1-year Support - Per Server)
R4Q05AAE	StorMagic 6TB Adv E-LTU	SM-SvSAN-6TB-ADV-HPE	Base License Key Per Server - 6TB Advanced (must add minimum 1-year Support - Per Server)
R4Q12AAE	StorMagic 12TB Std E-LTU	SM-SvSAN-12TB-STD-HPE	Base License Key Per Server - 12TB Standard (must add minimum 1-year Support - Per Server)
R4Q13AAE	StorMagic 12TB Adv E-LTU	SM-SvSAN-12TB-ADV-HPE	Base License Key Per Server - 12TB Advanced (must add minimum 1-year Support - Per Server)
R4Q20AAE	StorMagic Unltd TB Std E-LTU	SM-SvSAN-UTB-STD-HPE	Base License Key Per Server - Unlimited TB Standard (must add minimum 1-year Support - Per Server)
R4Q21AAE	StorMagic Unltd TB Adv E-LTU	SM-SvSAN-UTB-ADV-HPE	Base License Key Per Server - Unlimited TB Advanced (must add minimum 1-year Support - Per Server)

Standard Edition includes all software for VSA and Witness.

Advanced Edition adds support for Predictive Storage Caching



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 - Unlimited	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 1xcCPU, 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	

