



HPE StoreVirtual VSA Software

Simple, scalable, highly available software-defined storage

HPE StoreVirtual VSA Software is a cost-optimized solution for virtual environments that delivers flexible, easily scalable shared storage without the expense of dedicated storage hardware. With a comprehensive enterprise-class feature set, built-in high availability and disaster recovery capabilities, StoreVirtual VSA delivers business continuity within a virtualized, converged infrastructure. **Software-defined storage** is ideal for businesses who want to simplify infrastructure management, the ability to deploy storage on-demand, or have remote offices with limited or no IT staff.

Key features and benefits

Simple and flexible to manage

- Enjoy all the benefits of a traditional storage array without a dedicated storage device. HPE StoreVirtual VSA software allows you to build enterprise level, highly available, shared storage functionality into your server infrastructure delivering lower cost of ownership and superior ease of management.
- Lower the cost of ownership by leveraging your existing servers and using StoreVirtual VSA to convert disks in your servers into shared storage.
- All StoreVirtual VSA nodes in your environment, on-site or across multiple sites, can be managed from the Centralized Management Console (CMC).
- Flexibly choose what works best in your environment with no vendor lock-in. StoreVirtual is tightly integrated with VMware®, Microsoft® and Linux® for ease of storage monitoring and provisioning.

Keep costs down and data protected as you grow

- Lower storage costs and achieve high availability with as few as two nodes that easily scale from within data centers and remote/branch offices. Use the simple and quick wizard driven installation or scriptable installs for automated repeatable deployments.
- Snapshots provide instant, point-in-time volume copies that can be used to facilitate backups and recovery points for use by applications.
- Remote Copy enables centralized backup and disaster recovery on a per-volume basis and leverages application integrated snapshots for faster recovery.
- HPE Recovery Manager Central (RMC) software integrates StoreVirtual VSA with HPE StoreOnce Systems to provide a converged availability and backup service that augments traditional backup approaches. In addition, easily replicate volumes between StoreVirtual VSA and HPE 3PAR with Peer Copy feature.

Business continuity with proven high availability

- Achieve 99.999% availability with StoreVirtual's clustering and built-in Network RAID that protects your data across the storage pool, eliminating any single point of failure. Applications have continuous data availability in the event of a disk, controller, storage node, power, network, or site failure.
- Create availability zones within your environment across racks, rooms, buildings, and cities and provide seamless application high availability with transparent failover and failback across zones—automatically.

Increase scalability and storage efficiency

- Use StoreVirtual VSA with **solid-state drives** (SSDs) to provide a high-performance storage solution in your environment. Create an all-flash configuration for maximum performance or use a lower cost alternative with StoreVirtual Adaptive Optimization to automatically tier data between SSDs and HDDs.
- Use management plug-ins for VMware® vCenter™ and Microsoft System Center to centrally administer both VMs and storage no matter the location.
- All available capacity and performance is aggregated and accessible through volumes in the storage pool. As storage needs grow, the clustered storage architecture scales out linearly while remaining online.
- Seamlessly move volumes between storage systems, clusters, locations, disk types and form factors with Peer Motion while staying online.

HPE StoreVirtual VSA Software

Technical specifications

Hardware support	Runs on all HPE x86 servers (such as ProLiant or BladeSystem) or third-party servers certified with VMware vSphere®, Microsoft Hyper-V, or Linux KVM
Software support	3-year HPE software support standard; 9x5 business hours phone support (software technical support and software product and documentation updates)
QuickSpecs	hpe.com/h20195/v2/GetDocument.aspx?docname=c04111621
Tested configurations	HPE StoreVirtual VSA Ready Nodes—HPE tested reference configurations that provide a solid starting point for virtualization projects. h20195.www2.hpe.com/V2/GetDocument.aspx?docname=a00000521ENW

The total package—solution value statements

- **StoreVirtual technology** takes a comprehensive, converged approach. It allows customers to construct highly available, fault-tolerant data centers using simple, scalable building blocks.
- The shared storage created by StoreVirtual presents out to the network as an iSCSI storage target. This allows any physical or virtual server in the environment to connect to the internal storage via the Ethernet network, providing administrators with flexible options for growth.
- Converging servers and storage on a common platform with **StoreVirtual VSA Software** enables a highly available solution for remote or branch offices that do not have budget, space, or power for a traditional SAN.

The total package—software

One key advantage of StoreVirtual VSA is the all-inclusive feature set. These enterprise-class features include:

- Simple deployment and management features
- Flexible hypervisor integration and multi-pathing options
- Pay-as-you-grow scalability
- Peer Motion and Peer Copy data mobility
- Application integrated snapshots and Smart Clones
- Network RAID synchronous replication
- Multi-site stretch clusters with transparent failover
- Thin Provisioning and Space Reclamation
- Automated tiering via Adaptive Optimization
- Remote Copy with VMware Site Recovery Manager integration

The total package—service

Service and support, HPE Care Pack, and warranty information services included with the product

HPE StoreVirtual VSA includes three-year HPE software support, standard 9x5 business hours phone support (software technical support and software product and documentation updates), and a 90-day media replacement-only warranty. Including software updates and comprehensive support enhances the performance and availability of your software. Software support is upgradeable to match coverage and duration needs. Experienced HPE Response Center engineers provide trustworthy advice on issues such as software features and use, problem diagnosis and resolution, and software defect identification.

Software licensing terms

License keys enable all features of the HPE StoreVirtual VSA, including storage clustering, application-managed snapshots and Remote Copy. Keys are required for each individual VSA instance and are available in 1 TB, 4 TB, 10 TB, and 50 TB capacities.

HPE Services

HPE Storage Services: offering reliability, flexibility, and value—just like your storage

Choose from a rich portfolio of services to make the most of HPE Storage, so you can move with confidence to take full advantage of the broadest and one of the most advanced portfolios in the industry.

HPE Storage Services offers a full spectrum of customer care, from technology support to complex migrations to completely managed services.

• **HPE StoreVirtual VSA Software Installation and Startup Service**

- HPE StoreVirtual Central Management Console Installation and Startup Service
- HPE StoreVirtual Update Service (via HPE Proactive Credits menu)
- HPE Performance and Capacity Assessment for StoreVirtual (via HPE Proactive Credits menu)
- HPE SAN Assessment Service (via HPE Proactive Credits menu)
- HPE Storage Data Migration Services
- HPE Storage and Data Consultant Residency Service

HPE Education offers flexible, comprehensive training on storage networking, disk storage systems, and storage software to help your IT staff get the most out of your investments. Gain the skills you need with HPE ExpertOne training and certification. With HPE Converged Storage training, you can accelerate your technology transition, improve operational performance, and get the highest return on your HPE investment. Our training is available when and where you need it, through flexible delivery options, and a global training opportunity.

HPE financial solutions extend innovative financing and asset management programs to cost-effectively buy, manage, and eventually retire your older equipment. Optimize your IT investment strategy with new ways to acquire, pay for and use technology, in lock-step with your business and transformation goals.

Convert your Microsoft, VMware, or Linux server into a virtual array and benefit from high availability with HPE StoreVirtual VSA Software.

Only HPE brings together deep expertise, proactive and business critical support, and a strong partner network—plus a full set of infrastructure services designed to power a converged infrastructure.

Learn more at
hpe.com/storage/vsa
hpe.com/us/en/home



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