



# Consolidate servers and storage at remote locations with HPE SDS

## Fault-tolerant software-defined storage



Just like the main office, branch offices and remote locations must handle increasing requirements for data protection and high availability, often with additional challenges. Local sites typically face greater space limitations, power and cooling issues, and IT budget constraints than the main site. In many cases, regional offices also lack the specialized IT personnel required to deploy and maintain a complex server and storage infrastructure.

For remote locations, software-defined storage (SDS) is a powerfully simple solution. SDS brings together applications and storage in a virtualized, converged architecture that's easy to deploy and manage. Instead of deploying dedicated storage hardware, consolidate shared storage and applications onto the same virtualized servers to reduce your hardware footprint by half without losing any required storage functionality.<sup>1</sup>

You get all the enterprise-class features of HPE StoreVirtual VSA, including multi-site SAN capabilities for branch offices and fault-tolerant shared storage for your entire environment, and all the data protection features of HPE StoreOnce VSA, including backup, recovery, and deduplication, in a simple, consolidated, server-based solution.

HPE SDS technology delivers simple, open platform solutions, no special training required. Make local IT staff more efficient by managing data storage from a central location. Start with the storage you need at each site, and scale out as business requirements change. You keep branches up and running, keep critical data available, and protect your data across the enterprise.

<sup>1</sup> Based on HPE internal comparative analysis of publicly available data from major competitors, January 2015.

## Simple, efficient storage

### HPE StoreVirtual VSA

StoreVirtual VSA is an agile, scalable solution that unlocks the full benefits of server virtualization for multi-site SAN capabilities. It transforms internal server capacity or direct-attached storage into a fully featured, shared storage array without the cost and complexity of traditional storage. As a result, businesses can save up to 60 percent in energy costs compared to physical storage arrays.<sup>2</sup>

StoreVirtual VSA allows you to start with virtualized storage at existing sites and expand over time, building enterprise-level SAN functionality into your server infrastructure while lowering the cost of ownership and simplifying management across sites. Tight storage management integration with VMware® and Microsoft® lets you easily deploy and manage data on servers locally or from a remote location. Its unique scale-out architecture lets you add storage capacity on the fly without compromising performance, while its built-in high availability and disaster recovery features enhance business continuity for the entire server environment.

### HPE Hyper Converged 200

A hyper-converged system is a pre-configured virtualized server platform that combines compute, storage, networking, and management software in a single appliance. Leveraging the power of software-defined technology to tightly integrate these resources, HPE Hyper Converged 200 includes everything you need in a virtualized data center. Proven HPE ProLiant and StoreVirtual VSA technologies yield compute density and efficiency for scale-out workloads.

In more demanding remote environments, particularly those with limited IT resources, hyper-converged is fast becoming an IT favorite. Designing, assembling, and configuring a complete fault-tolerant, virtualized infrastructure out of individual components can take weeks of an IT specialist's time. HC 200 appliances have those same server, storage and networking components pre-configured in a single 2U chassis, and deployment requires no special training. Using the installation wizard, you can go from power-on to provisioning in less than 15 minutes.

Compute, storage, and virtual machines are managed from inside VMware vCenter Server. You can manage your virtual infrastructure across multiple sites from a single interface.

### HPE StoreOnce VSA

For cost-effective data protection, StoreOnce VSA delivers fast, efficient, and scalable backup, helping eliminate the need for dedicated hardware and reducing the cost of storage, rack space, and power at every site. StoreOnce VSA also provides a flexible backup target, allowing you to back up a smaller site or move data from remote sites to a centralized data center. With HPE StoreOnce Catalyst, deduplicated data can be moved seamlessly across the enterprise without the need to rehydrate, and data movement is controlled by your backup application from a single pane of glass.

Integrated with your current backup applications, StoreOnce backup can meet your remote and branch office data protection needs while lowering capital and operational expenditures.

Learn more at  
[hpe.com/storage/sds](http://hpe.com/storage/sds)

<sup>2</sup> Based on HPE internal comparative analysis of publicly available data from major competitors, January 2015



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