Boost enterprise application performance with HPE SDS

Avoid downtime and overprovisioning of Microsoft applications

From email to databases and collaboration sites, Microsoft® applications can significantly enhance productivity and foster business growth, especially if they are supported by the right IT infrastructure. Consistent workloads are the exception and not the rule in business today, and enterprise applications must support that unpredictable model. Whether you are creating Exchange mailboxes or implementing new SQL Server instances, a converged infrastructure is critical in aligning your system's capabilities with rigorous user productivity requirements and SLAs.

Software-defined storage (SDS) sets up an ideal environment to support fluctuating workloads like these. HPE SDS solutions reduce operational complexity, converging Microsoft applications and storage together on the same platform in a simple virtualized infrastructure. Co-located server and storage solutions are not only straightforward to deploy, but also deliver intelligent monitoring and centralized management to reduce IT burden.

You get enterprise-class, fault-tolerant, shared storage for your entire environment in a simple, consolidated solution that lets you:

• Reduce your hardware footprint by half without losing any required storage functionality

• Linearly scale your critical Microsoft workload performance and capacity without performance tradeoffs, expensive overprovisioning, or downtime hassles

• Improve productivity and high availability through integrated backup solutions

For peak flexibility, choose an open platform, scale-out solution that's interoperable with your existing infrastructure.

Improve application availability

HPE StoreVirtual VSA

Unlock the full benefits of server virtualization to run your enterprise applications, and get five 9's high availability with HPE SDS. StoreVirtual VSA software transforms internal or direct-attached storage capacity into a fully featured shared storage array without the cost and complexity of traditional storage.

StoreVirtual VSA builds enterprise-level SAN functionality into your server infrastructure and simplifies management. Tight integration with VMware® and Microsoft lets you easily deploy and manage data on any vSphere or Hyper-V server locally or from a remote location. StoreVirtual VSA's 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 and resiliency for the entire server environment.

HPE Hyper Converged 200

A hyper-converged system is the next step in the evolution of IT architectures, bringing together recent advances in converged infrastructure, virtualization, and software-defined storage technologies. Everything you need for your virtualized environment—including servers, storage, virtualization software, networking, and management—is fully integrated and packaged together into a single, highly available appliance.

An Hyper Converged 200 appliance arrives pre-configured in a single 2U chassis, and it requires no special training. Data protection is built into the system—no additional software is required. Automated tiering of data storage provides quicker access to data when needed. Using the installation wizard, you can deploy it in less than 15 minutes.

This HPE solution gives you robust data services from proven StoreVirtual storage and powerful HPE ProLiant servers. Get enterprise-class features typically offered by storage arrays, such as 99.999 percent[1] availability—without the complexity. Run a variety of different workloads, from messaging and collaboration workloads to analytical and transactional workloads, without overprovisioning or worrying about data availability.

HPE StoreOnce VSA

For cost-effective data protection, StoreOnce VSA software delivers fast, efficient, and scalable backup and recovery, helping lower the need for dedicated hardware and reducing the cost of storage, rack space, and power at every site.

StoreOnce VSA is a hardware-agnostic backup and deduplication solution running as a virtual machine. Stored data can be moved between VSAs and other StoreOnce platforms without "data rehydration" and without dedicated storage hardware.

This flexible backup target with integrated data protection can help enable business-critical workloads and enterprise applications to stay online in fully virtualized or remote sites with fewer IT admin skills. Like other HPE SDS products, the entire storage infrastructure can be managed through a single console.

Learn more at
hpe.com/storage/sds

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[1] Based on StoreVirtual average monthly quality report 2015

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