Fact Sheet

HP LeftHand Storage Systems Improve Enterprise Agility and Value of Virtualization

New federated storage software and enhanced VMware platform integration ensure business continuity

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Overview

Virtualization provides a critical foundation for organizations that need to modernize their datacenter. However, legacy storage systems are rigid and inefficient when paired with virtual server infrastructure. They lack the scale-out capabilities required to deal with unpredictable workloads, as well as the resiliency to ensure constant application availability.

HP P4000 LeftHand Storage Systems have been enhanced with a new version of the LeftHand SAN/iQ software and HP Peer Motion functionality to deliver the resiliency and agility needed to support dynamic and critical workloads.

Storage federation enables workload agility

HP's new Peer Motion software delivers the industry's first peer-to-peer storage federation capabilities that span from a virtual SAN software appliance, through midrange storage to high-end systems. With Peer Motion, clients can easily shift data between P4000 LeftHand disk systems without impacting application availability in virtualized environments.

Additionally, updates to the P4000 LeftHand Centralized Management Console interface simplify administration of multiple peer systems within the same domain. Clients can view the health and status of systems through a centralized, global view of all P4000 LeftHand systems, enabling clients to improve operational efficiency.

Storage innovations improve business continuity

HP P4000 LeftHand Storage Systems offer enhanced integration with VMware vSphere® 5 to improve business continuity and simplify administration. When in VMware vSphere environments, or as part of HP VirtualSystem for VMware, the new HP LeftHand SAN/iQ software extends the value of VMware high-availability features, and offer clients:

— Enhanced business continuity with application-managed snapshots created by the HP P4000 LeftHand Application Aware Snapshot Manager for VMware ESX™/ESXi and Microsoft Hyper-V. This solution delivers point-in-time copies of data for reliable and rapid recovery of virtual machines.

— Streamlined disaster recovery with the HP Storage Replication Adapter and P4000 LeftHand Remote Copy integrated for VMware vCenter™ Site Recovery Manager 5. This feature automatically moves workloads from primary to recovery sites during a disaster and then back to primary sites when systems are back online.

— Simplified installation and management accelerates application time to value with:

- A new best practice configuration wizard that enables clients to choose the highest availability configuration for their disaster recovery purposes.
- The P4000 Virtual SAN Appliance (VSA) software which speeds deployment in VMware environments, as well as a new scripting capability that automates installation for large, repeated deployments.
- The improved P4000 LeftHand Remote Copy feature for faster replication and quicker data recovery. This performance enhancement supports frequent snapshots, especially for large volumes with low change rates.

— Enhanced storage management through P4000 LeftHand integration with new VMware vSphere Storage APIs for Storage Awareness. This provides P4000 LeftHand-specific array information to the VMware vCenter Server, which enables administrators to select the appropriate storage for virtual machine (VM) placement based on the class of service guaranteed for that VM.

Creating the foundation

The new HP P4000 LeftHand solutions announced today and 3PAR Storage Systems announced on Aug. 23, 2011 provide the converged storage foundation of HP VirtualSystem configurations. HP VirtualSystem provides the virtualization infrastructure for simple, rapid deployment of virtual server projects. Built on HP Converged Infrastructure, HP VirtualSystem integrates server, storage, networking, virtualization

software and services to reduce complexity with an optimized architecture for virtual environments.

To further simplify virtual server deployment and management, HP VirtualSystem is now tightly integrated with VMware vSphere 5. This integration delivers maximum performance, uptime and scalability, while enabling clients to expand into cloud computing deployments based on HP CloudSystem. When clients are ready to transition to cloud computing VirtualSystem for VMware provides an agile, efficient, scalable foundation.

Pricing and availability(1)

- P4000 LeftHand Storage Systems start at $30,000
- HP P4000 LeftHand VSA – individual license is $4,390 and includes one year of support
- New Bundles – VMware vSphere 5 Essentials Plus and HP P4000 LeftHand VSA (licensing for three hosts)
  - $9,673 with one year of service and support
  - $12,739 with three years of service and support
- SAN/iQ 9.5 availability for P4000 LeftHand systems and online upgrades and P4000 VSA software will be available worldwide in October
- P4000 VSA bundles with VMware Essentials Plus will be available worldwide in October

Additional product information is available at www.hp.com/go/p4000.

P4000 VSA can be used on a trial basis 60 days at no additional charge: www.hp.com/go/tryvsa.

(1) Estimated U.S. list prices. Actual prices may vary.