HP VirtualSystem Simplifies and Speeds Virtualization Deployment

Turnkey Converged Infrastructure solutions enhance enterprise agility while providing investment protection

Overview

Virtualization technology has been widely adopted to consolidate servers, gain flexibility and optimize return on investment. However, virtualized environments can be difficult to plan, deploy and operate due to the proliferation of management tools, uncertain performance characteristics and unaddressed security concerns.

To address these challenges and simplify the path to cloud computing, the new HP VirtualSystem portfolio enables clients to achieve rapid deployment, maximum performance and advanced management of their virtualized environments.

HP VirtualSystem accelerates the delivery of proven virtual environments

The new HP VirtualSystem portfolio, based on HP Converged Infrastructure, consists of highly optimized, turnkey server and client virtualization solutions.

By converging hardware, virtualization software, management, consulting offerings and HP Solution Support services, clients can save up to 50 percent in deployment time,[1] enabling them to focus on more strategic projects for their organizations.

The energy-efficient HP VirtualSystem offerings are built on the HP BladeSystem platform, HP P4000/3PAR storage and HP FlexFabric networking technologies. As a result, they support up to three times more virtual machines per server, three times the I/O bandwidth and twice the memory as competing offerings.[2]

Also, the HP VirtualSystem portfolio is heterogeneous, supporting existing IT investments, multiple hypervisor strategies and operating systems with a

common architecture, management and security model.

Further, HP VirtualSystem provides a simple path to cloud computing by utilizing similar hardware infrastructure and management environments as HP CloudSystem. To extend their environments and evolve to cloud computing, clients follow a simple, rapid upgrade process.

HP offers three scalable deployment systems for small, midsize and large enterprises. Each includes leading virtualization technologies from Microsoft or VMware, as well as the leading operating systems and applications. With the ability to support up to 6,000 virtual machines in a single system, the solutions deliver maximum performance and accelerate time to application value.

The open, modular design of HP VirtualSystem simplifies management with a single-pane-of-glass view into each layer of the virtualized stack. HP TippingPoint security can be added for comprehensive threat protection of both physical and virtual platforms.

Clients can increase the availability, performance, capacity allocation and real-time recovery of their HP VirtualSystem solutions with HP SiteScope, HP Data Protector, HP Insight Control and HP Storage Essentials software extensions.

HP Client Virtualization Reference Architecture for Enterprise includes Citrix or VMware software and HP Mission Critical Virtualization Reference Architecture complement the HP VirtualSystem solutions. The reference architecture resources contain a consistent set of architectural best practices, which enable clients to rapidly deploy virtualized systems, improve security and performance, and reduce operating costs.

Life cycle support and consulting services
To further reduce the complexity of virtual environments, HP Technology Services provides a full life cycle of consulting services, from strategy, assessment, design, test, implementation, training, and then transition to HP Solution Support for ongoing peace of mind.

The new VirtualStart consulting services accelerate the time that it takes to get the first business results. HP Solution Support provides single-point-of-contact services for the entire turnkey solution, including third-party

software.

Availability

HP VirtualSystem solutions are available today as built-to-order solutions based on reference architectures, as integrated appliances on select systems starting Q32011.

Launched at HP's premier client event, <u>HP DISCOVER</u>, which is taking place through June 10 in Las Vegas and Nov. 29 - Dec. 1 in Vienna, Austria, HP VirtualSystem supports today's <u>Instant-On Enterprise</u>. In an age of "instant" expectations, businesses and governments need to have the ability to respond quickly and effectively to the changing needs of businesses and citizens.

(1)   Based on client and internal HP data.
(2)   The HP BL460 G7 supports 384GB memory and 60 Gb/s I/O. The Cisco UCS B200 M2 supports 192GB memory and 20 Gb/s I/O. The HP BL460c G7 delivers 3X times the I/O bandwidth and 2X the memory than the comparable Cisco UCS B200 M2 blade enabling HP to deliver 3X the number of VMs per server. Based on the following resource requirements per Virtual Machine (VM): 3GB memory and 100 Mb/s Ethernet + 200 Mb/s FC (doubled for redundancy).

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