

HP and VMware

Virtualization to consolidate server resources for maximum efficiency



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You can count on a complete solution from HP, integrating VMware software with ProLiant servers, HP StorageWorks storage, and HP desktop and notebook clients, along with expert IT consolidation and technical support from HP Services and our partners.

HP offers all the essential components you need to enable an adaptive enterprise, while reducing operational overhead.



Simplify your infrastructure

Virtualization solutions from HP and VMware enable you to create secure, fault resistant server partitions. These partitions are configured with independent, heterogeneous operating systems and virtual hardware that map directly to the physical hardware. With ProLiant servers running VMware ESX Server or VMware GSX Server™, multiple, independent workloads can share common resources on a single ProLiant server. Intelligent resource governance dynamically allocates system resources to each virtual server as needed, providing both mainframe-class capacity utilization and more efficient control of your server infrastructure. HP supports Microsoft® Windows® and Linux operating systems running within VMware virtual machines.

HP offers a wide choice of 2-way, 4-way, and 8-way ProLiant servers and high-density server blades to meet your specific IT consolidation needs. More than a dozen ProLiant servers are certified for VMware software,

providing the innovative features you need to increase the level and quality of IT services, while improving business agility, mitigating risk, and reducing operating costs.

HP has ideal solutions to optimize your IT infrastructure:

Server consolidation

Using VMware software for server consolidation on ProLiant servers enables a mix of virtual hardware configurations and operating systems to co-exist without compatibility issues. As a result, you gain maximum flexibility, while minimizing administrative expenses, managing fewer servers in less space. That means more effective server utilization and increased ROI.

High availability and disaster recovery

Industry-standard ProLiant servers are renowned for an ability to protect critical data. You can build on this capability by implementing a flexible, cost-effective high availability solution. Simply configure a single ProLiant server with failover capabilities with multiple, isolated VMware virtual partitions, each supporting individual production servers and each running different operating systems. It's the ideal way to get failover protection at a fraction of the cost of traditional clustering.

Rapid application and server deployment

Virtual server configurations can be stored centrally and deployed rapidly to new systems or implemented on existing under utilized hardware. With sophisticated VMware tools you can expand the amount of physical resources allocated to individual virtual servers based on demand or to meet service level agreements—all

while protecting the resources needed by users who share the same hardware. With the unique scale-out flexibility of HP ProLiant servers, physical resources can also be expanded quickly and cost-effectively in response to increased demands.

Gain intelligent management and control

Using HP ProLiant Essentials Integrated Lights-Out tools, administrators can install, configure, monitor, update, and troubleshoot remote ProLiant servers from anywhere, anytime using a standard web browser. Management efficiency is further enhanced with HP ProLiant Essentials Insight Manager 7, which delivers the essential knowledge and insight you need to maximize system uptime, reduce total cost of ownership, and provide powerful monitoring and control of your ProLiant servers across the enterprise. Insight Manager 7 will also identify ProLiant servers running VMware software and provide a link to the VMware management interface.

HP and VMware deliver more — with intelligent, flexible, cost-effective IT resource virtualization solutions and services featuring VMware and HP Adaptive Infrastructure framework for IT Consolidation solutions.

For more information

For more information on VMware for HP ProLiant servers, please contact your HP representative or reseller today, or visit www.hp.com/solutions/vmware

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