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ViP virtualization performance

VMware ESXi 3.5
Increase IT Efficiency and Reliability with Hardware-Integrated, Thin Hypervisor

AT A GLANCE

VMware® ESXi 3.5 is the industry's first thin hypervisor integrated into server hardware. The compact, hardware embedded architecture of VMware ESXi raises the bar for security and reliability and lays the foundation for a dynamic, automated datacenter.

BENEFITS

• Reduce server deployment time with built-in virtualization, right out of the box.

• Achieve unparalleled infrastructure reliability while minimizing security exposure.

• Simplify management with a compact, OS-independent hypervisor.

• Build a complete virtual infrastructure on the industry's most robust platform.

Optimized for server integration, VMware ESXi provides unmatched security and reliability.

What is VMware ESXi 3.5?

VMware ESXi 3.5 is the industry's first, thin hypervisor integrated into server hardware. With its next-generation architecture embedded in hardware, VMware ESXi enables a plug-and-play data center with greater security, reliability and manageability. Requiring no installation and minimal configuration, VMware ESXi accelerates server deployment—IT organizations can take servers from boot-up to running production applications in virtual machines in minutes.

How Does VMware ESXi Work?

Building on the legacy of the market-leading VMware ESX, a production-proven, stable and mature hypervisor, VMware ESXi is the culmination of almost a decade of research into hypervisor design. VMware ESXi offers the same great performance and scalability in a compact, 32-MB package. (For a complete description of the features and capabilities of VMware ESX, please visit www.vmware.com/products/vi/esx/.)

At a fraction of the size of general purpose operating system, the 32-MB footprint of VMware ESXi sets a new bar for security due to a smaller "attack surface." This small footprint and hardware-like reliability also enable VMware ESXi to be built directly into industry standard x86 servers. Customers can now deploy diskless servers attached to shared storage, removing the most failure prone server component, while decreasing power and cooling requirements.

By design, VMware ESXi works with the VMware Infrastructure API and standards-based monitoring protocols, and integrates well with server hardware and 3rd-party software solutions.
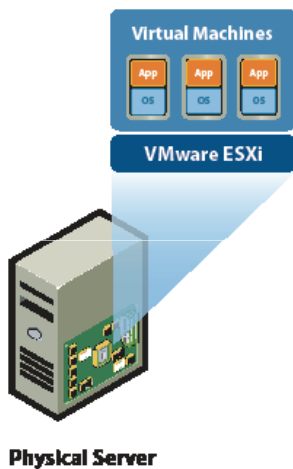
Innovative, thin hypervisor architecture

• Operating system-independent design optimized for virtualization performance.

• Unmatched security with a small 32MB, virtualization-centric architecture.

Integrated into server hardware

• Embedded hypervisor ensures compatible, pre-tested and optimized hardware configurations.

• Optimized for remote management tools and industry standard protocols such as CIM.

Intuitive interfaces and intelligent defaults

• Menu-driven start up experience and intelligent defaults that dramatically reduce deployment time—booting the server to running virtual machines takes just minutes.

• Plug-and-play of server hardware that provides instant addition of resources for on-demand capacity.

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