

VMware Virtual SMP

Scale your Virtual Infrastructure for Mission-Critical Environments



What Is VMware Virtual SMP?

VMware® Virtual SMP™ is an add-on module to VMware ESX Server that makes it possible for a single virtual machine to span multiple physical processors. VMware Virtual SMP allows multiple processors to work in parallel while using only a single guest operating system image, making it ideal for scaling your virtual infrastructure to handle the most resource-intensive applications. Only VMware provides symmetric multiprocessing functionality for Intel-based virtual machines.

How Is VMware Virtual SMP Used in the Enterprise?

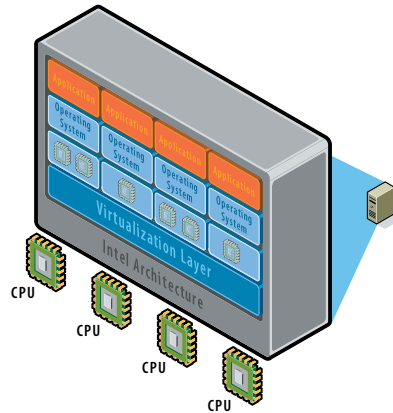
VMware Virtual SMP enables enterprises to deploy their entire range of applications — from file and print services to the most resource-intensive mission-critical applications — in secure, portable, virtual machines that take advantage of today's datacenter-class hardware.

VMware Virtual SMP allows enterprises to:

- **Easily scale computing environments without adding new hardware.** Let multiple processors work together to share the workload and increase the utilization of existing IT infrastructure.
- **Consolidate the most resource-intensive applications onto fewer servers.** Run business-critical applications and programs such as Oracle®, SQL Server®, Microsoft® Exchange Server, Lotus Notes, SAP, Siebel®, BEA WebLogic, and Apache on fewer physical servers.
- **Streamline and improve software development and deployment processes.** Create more realistic development and testing environments by building standard SMP virtual environments for rapid deployment.

"ESX Server 2 with Virtual SMP is key to Praxair's IT server consolidation strategy. Our goal is to provide an IT infrastructure that enhances the company's business agility. With VMware's virtualization technology we can reduce costs and maximize resource utilization while at the same time creating a more flexible, efficient infrastructure that responds rapidly to changing business requirements"

Larry Lichten
Director of Infrastructure, PRAXAIR



VMware Virtual SMP enables a single virtual machine to span multiple physical processors.

How Does VMware Virtual SMP Work?

VMware Virtual SMP is based on the company's patented virtual machine technology that transforms physical computers into a pool of computing resources. Until VMware Virtual SMP, virtual machines were limited to using a single CPU. With VMware Virtual SMP, multiple processors share the workload of resource-intensive applications and tasks running in a guest operating system. Operating systems and applications are isolated in multiple virtual machines and are allocated to any virtual machine based on need or performance.

Why Does My Business Need VMware Virtual SMP?

Enterprise IT teams look to VMware and Virtual SMP to run their mission-critical, resource-intensive applications on Intel-based servers. VMware Virtual SMP delivers:

- Increased performance.
- Better utilization of system resources.
- More realistic test and development environments.
- Significant reductions in computing total cost of ownership (TCO).