



VMware® and Intel® are Driving a Virtual Revolution in Datacenter Efficiency

Rarely do the efforts of two companies come together with such a resounding impact. For more than a decade Intel has been delivering powerful and reliable server technologies that have helped businesses drive down the total cost of their computing solutions. More recently VMware added a critical innovation by enabling mainframe-style virtualization on the Intel architecture. This combination of high-end virtualization capabilities and affordable, industry-standard servers is driving fundamental breakthroughs in datacenter operations, and helping businesses address some of their most critical computing challenges.

With VMware software and Intel hardware, companies are consolidating their server environments, often by as much as 20 or even 30 to one; they are adding resources, moving applications, and redirecting workloads almost instantly; and they are provisioning new servers in a matter of minutes. As a result, they are slashing costs, improving reliability and security, and increasing datacenter and business agility.

Establishing a Solid Foundation

Virtualization software runs directly on server hardware, and tight integration is essential to deliver the levels of performance and reliability needed to support multiple operating systems and applications. VMware and Intel have been working together for years to optimize the interactions between hardware and software and to test and validate the combined solution across a wide range of environments. These ongoing efforts help VMware software make better use of intrinsic hardware capabilities, such as dual-core processors and Hyper-Threading Technology, which enable a single processor to support multiple software tasks simultaneously. In concert with Intel's world-class hardware validation program, they also help to provide a robust solution that companies can deploy with confidence in their production environments.

Driving Innovation

Even as VMware and Intel continue to optimize current solutions, they are pushing forward to increase the business value of the combined platform. As one example, Intel will deliver Intel® Virtualization Technology in the first half of 2006, and VMware plans to follow quickly with optimized software support. This silicon-level technology will simplify and accelerate core virtualization processes, and help to fuel faster innovation and even broader interoperability. It will also provide support for 64-bit guest operating systems, so businesses can extend their virtualized environment across a wider range of enterprise workloads. To drive ongoing innovation, VMware and Intel are exploring ways to deliver additional hardware and software innovations that will help take the combined solution to the next level.



Multi-core processors are ideal for the intense and complex demands of consolidated and virtualized server environments, and VMware and Intel are collaborating to deliver optimized support. As Intel integrates increasing numbers of cores into future processors, tight integration with VMware software will help companies make the most of rapidly increasing processor capabilities to provide ever-more dense, flexible and cost-effective datacenter solutions.

Delivering Value Beyond the Datacenter

Today's virtual transformation is not just for servers. Many companies are using VMware software running on Intel processor-based workstations to support engineers and software developers with multiple operating environments running simultaneously on a single system. They are also downloading controlled and protected software environments onto the PCs and laptops of consultants and telecommuters, so they can provide network access while ensuring a higher level of security. VMware and Intel continue to drive technical

innovation at the client level, and are exploring new usage models that may ultimately make virtualization as essential in the office as it is in the datacenter.

Making Virtualization Work for You

Optimization and innovation drive technology forward, but effective customer support is essential to help businesses turn it into meaningful value. VMware and Intel provide access to extensive information, resources and services that help businesses deploy virtualized solutions more easily and use them more effectively. Case studies, solution blueprints, technical information and consulting services are available to help customers take advantage of proven virtualization strategies that can accelerate integration, reduce risk and improve ROI. By working closely together, VMware and Intel are able to align these resources more effectively with real-world needs. So as the power of virtualization continues to grow, VMware and Intel will not only help you stay at the forefront of this critical transformation, but will also help you derive better value along the way.

VMware

VMware is the global leader in virtual infrastructure software for industry-standard systems. The world's largest companies use VMware solutions to simplify their IT, fully leverage their existing computing investments and respond faster to changing business demands. VMware is based in Palo Alto, California. For more information, visit www.vmware.com or call 650-475-5000.

Intel

For over 35 years, Intel Corporation has developed technology enabling the computer and Internet revolution that has changed the world. Founded in 1968 to build semiconductor memory products, Intel introduced the world's first microprocessor in 1971. Today, Intel supplies the computing and communications industries with products used by industry members to create advanced computing and communications systems. For more information, visit www.intel.com.

INFORMATION IN THIS DOCUMENT IS PROVIDED IN CONNECTION WITH INTEL® PRODUCTS. NO LICENSE, EXPRESS OR IMPLIED, BY ESTOPPEL OR OTHERWISE, TO ANY INTELLECTUAL PROPERTY RIGHTS IS GRANTED BY THIS DOCUMENT. EXCEPT AS PROVIDED IN INTEL'S TERMS AND CONDITIONS OF SALE FOR SUCH PRODUCTS, INTEL ASSUMES NO LIABILITY WHATSOEVER, AND INTEL DISCLAIMS ANY EXPRESS OR IMPLIED WARRANTY, RELATING TO SALE AND/OR USE OF INTEL PRODUCTS INCLUDING LIABILITY OR WARRANTIES RELATING TO FITNESS FOR A PARTICULAR PURPOSE, MERCHANTABILITY, OR INFRINGEMENT OF ANY PATENT, COPYRIGHT OR OTHER INTELLECTUAL PROPERTY RIGHT.

*Other names and brands may be claimed as the property of others.

Intel and the Intel logo are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.

Hyper-Threading Technology requires a computer system with an Intel® Pentium® 4 processor supporting HT Technology and an HT Technology enabled chipset, BIOS and operating system. Performance will vary depending on the specific hardware and software you use. See www.intel.com/info/hyperthreading for more information including details on which processors support HT Technology.

Copyright © 2005, Intel Corporation. All rights reserved.
0805/KC/KM/PDF

Intel Literature Center: 1-800-548-4725
Order Number: 309354-001US

