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# One Server. Two Intel® Xeon™ Processors.



Can a dual processor server  
provide long-term value and  
reliable performance for your  
growing business?

## Invest in your company's future with a server based on two Intel® Xeon™ processors.

Rapidly growing businesses and corporate departments face similar IT challenges—being ready for significant workload increases without having to make a complete reinvestment in hardware. A server based on two Intel® Xeon™ processors helps provide faster response times and support for more users so you can better manage current and future IT requirements.



**Dual Intel® Xeon™ processors: powering advanced software to extraordinary productivity gains.**

Your business is about product and service innovation, customer care and employee productivity. It's not about waiting for your server. With dual Intel® Xeon™ processors, your server software—from email to Web to file server—can be energized in a true multi-tasking environment, where multiple applications run simultaneously. The Intel NetBurst® microarchitecture and Hyper-Threading Technology, central to the Intel® Xeon™ processor family, are enabling software developers to create next-generation operating systems and applications that execute instructions simultaneously for further processing and productivity gains.

Operating systems that support the dual processing power of the Intel® Xeon™ processor:

Microsoft Windows Advanced Server 2000\*  
Red Hat® Linux\* 7.2 and below  
SuSE® Linux\* 7.3 and below

Dual processor operating systems optimized for the Intel NetBurst® microarchitecture and Hyper-Threading Technology:

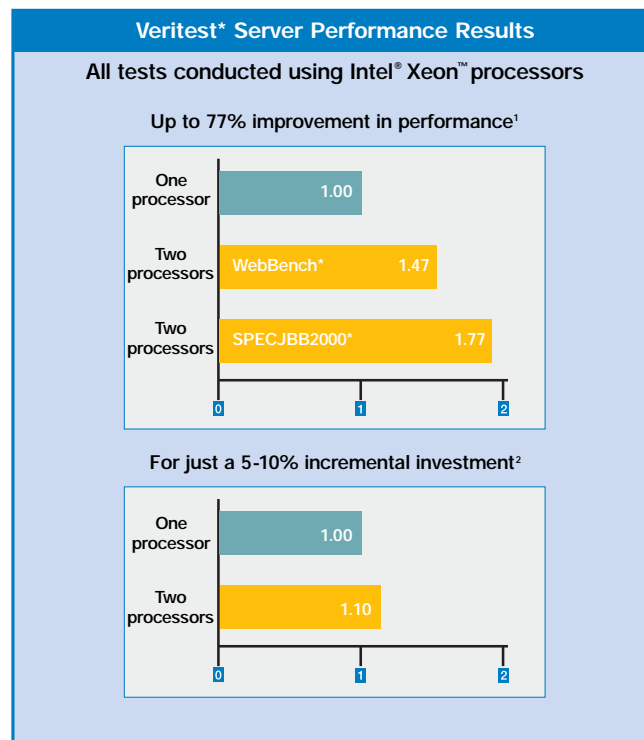
Microsoft Windows XP\*  
Microsoft Windows Server 2003\*  
Red Hat Enterprise Linux V2.1 and higher

## A server with two Intel® Xeon™ processors installed delivers meaningful performance with minimal incremental investment.

Performance and value for today — room to grow for tomorrow.

Installing two Intel® Xeon™ processors in your server delivers improved business value.

A second Intel® Xeon™ processor can deliver an outstanding server performance benefit of up to 77%<sup>1</sup>, while only adding approximately 5-10%<sup>2</sup> to your server hardware investment. The resulting dual processor-based system provides a stable, high-performance environment, giving you headroom to absorb spikes in server demand and help scale with your future business growth.



Studies confirm Intel® Xeon™ processor performance.

What does this mean to your business?

Veritest\*, under contract with Intel, conducted tests to measure system performance under simulated server workloads using WebBench\* and SPECjbb2000\*. These workloads simulate usage models that might be found in a small business server environment—like yours. The results demonstrate that populating a server with two Intel® Xeon™ processors can help improve server workload performance by as much as 47% and 77% when compared to an otherwise identical single Intel Xeon processor-based server.<sup>1</sup>

With dual Intel® Xeon™ processor-based servers the on-ramp to your growing company is open and ready for business. Your server infrastructure—Web, email, FTP—can have the headroom it needs for accommodating spikes in your business demand, helping to keep your Web presence online and your email flowing.

Servers using two Intel® Xeon™ processors offer long-term value and reliable performance to help meet your computing needs, today and tomorrow.



**Value.** With only an approximate 5-10% incremental investment<sup>2</sup>, dual Intel® Xeon™ processor-based servers enable increased performance, minimize processor idle time and help you consolidate your applications onto fewer servers. Fully populating dual processor-based servers can help lead to faster response times and reduced cost per transaction.

**Room to Grow and Flexibility for your business.** As your business continues to grow, your computing demands increase. A server based on two Intel® Xeon™ processors has the capacity to handle high office workload demands and helps you enhance your platform as your business needs expand.

**Dependability for your critical applications.** Server downtime is business downtime, which can mean lost productivity and lost revenue. Dual Intel® Xeon™ processors can help to provide a stable and reliable server supremely capable of handling the unexpected spikes in activity on your Web site, your email system, your LAN and on your storage network.

**Increased performance from your software.** Server software vendors are continually updating their products to work better with the Intel NetBurst® microarchitecture and Hyper-Threading Technology to create high performance multi-threaded applications that maximize dual-processing performance. This helps you to quickly access your business data and perform quicker backups, resulting in a more efficient and productive operation.

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Build a business for today and the future with a server based on two Intel® Xeon™ processors.

For more information, visit:

[www.intel.com/xeon](http://www.intel.com/xeon) or [www.intel.com/smallbusiness](http://www.intel.com/smallbusiness)

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<sup>1</sup> Platform Performance testing source: Veritest under contract with Intel Corp (June, '03). System configurations as follows: System 1 includes: Intel® SE7501WV2 Server Board with the Intel® E7501 chipset, 1x Intel® Xeon™ processor at 3.06 GHz with 1 MB L2 cache, Hyper-Threading Technology enabled, 3 GB DDR-266 memory, and Windows® Server 2003 operating system; System 2 includes: Intel® SE7501WV2 Server Board with the Intel® E7501 chipset, 2x Intel® Xeon™ processors at 3.06 GHz with 1 MB L2 cache, Hyper-Threading Technology enabled, 3 GB DDR-266 memory, and Windows® Server 2003 operating system.

<sup>2</sup> System price estimates are based on Intel® SE7501HG2 Server Board-based system and include hardware and 5-client OS license cost. (as of 11/03/03)

Performance tests and ratings are measured using specific computer systems and/or components and reflect the approximate performance of Intel products as measured by those tests. Any difference in system hardware or software design or configuration may affect actual performance. Buyers should consult other sources of information to evaluate the performance of systems or components they are considering purchasing. For more information on performance tests and on the performance of Intel products, reference <http://www.intel.com>

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