

Why Buy a New Quad-Core Server?



BUSINESS REQUIREMENT: Stability, Reliability, Multi Functionality



2004

- Single Core
- 6 Servers
- ~1800w
- 1 Application on each Server



2008

- Quad Core
- One Server
- ~300w
- 6 Applications on One Server

Using 45nm Quad-Core Intel® Xeon® processor 5400

BUSINESS BENEFIT #1: New hardware—Warranty Support

BUSINESS BENEFIT #2: Reduced Total Cost of Ownership (TCO)—Maintenance, Power & Reduced Downtime

BUSINESS BENEFIT #3: Less Space, Less Energy, Less Noise

Source: Intel, January 16, 2008. Performance comparison using SPECint_rate*_base_2000 between (2004) 2-socket, single-core Intel® Xeon® processor 3.6GHz (32.1 is the result) and (2008) 2-socket Quad-Core Intel® Xeon® processor E5450 (3.0GHz, 80W, 1333MHz). (242 is the result) as of Nov. 12, 2007. Energy (w) is estimated based on internal testing at maximum load. Actual performance results and energy consumption may vary depending on configuration. See spec.org for exact performance numbers.

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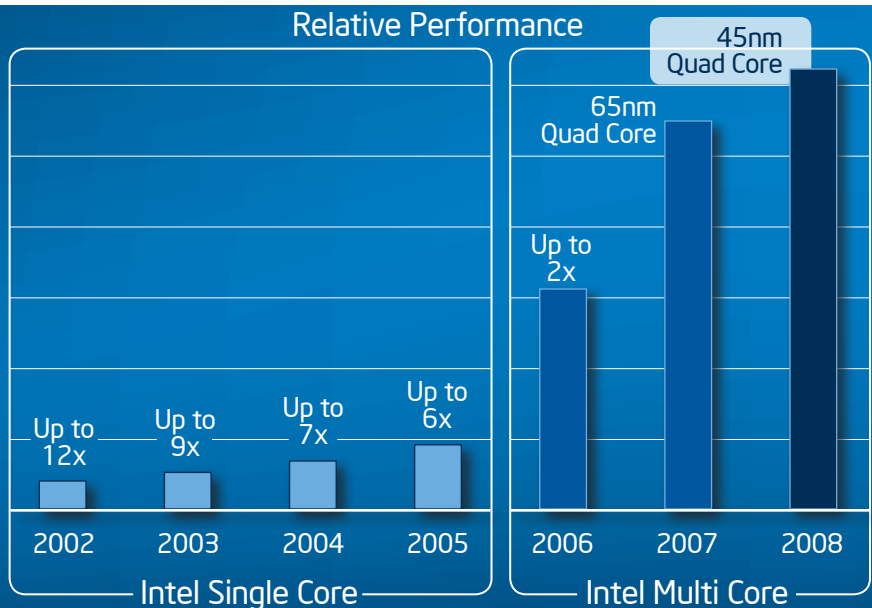
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Why Buy a New Quad-Core Server?



Incredible Performance Gains



Top 10 Reasons Why

1. Incredible Performance Gains
2. Minimize Downtime Potential
3. Leading Energy Efficiency (SPECpower*)
4. 3-Year Warranty Support
5. Reduce Total Power Usage
6. Support a Growing Business
7. Launch New Software or Services
8. Advanced Technology Support
 - A. 64-bit
 - B. Fully Buffered DIMM memory
 - C. Intel® Quick Data Technology
9. More Reliability Features than Alternatives
10. Built for Virtualization
 - A. More Cores + Larger Cache = More Headroom
 - B. Leading hardware assisted technologies

Results are Published/Measured/Submitted/Approved as of Nov 12, 2007.

Published results. 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.

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