

News advisory



HP Sets World Records with New Dual-Core Integrity Servers

HP Integrity servers, running dual-core Intel® Itanium® 2 “Montecito” processors and the HP-UX 11i v2 operating environment, set world performance records in newly published industry-standard TPC-C¹ and TPC-H¹ benchmarks.

“We are excited to bring dual-core processing into HP Integrity servers and demonstrate commanding benchmark leadership out of the gate,” said Don Jenkins, vice president of marketing, Business Critical Servers, HP. “Powered by Intel Itanium 2 processors and running HP-UX 11i and Microsoft® Windows® Server 2003, HP Integrity servers are ready to rock the data center, helping customers extract maximum price/performance for their most demanding workloads.”

The new world record results are as follows:

- **The world's fastest 4-core TPC-C result.** The upcoming HP Integrity server with two Dual-Core Intel Itanium 2 processors, running HP-UX 11i v2, Oracle® Database 10g, and HP StorageWorks arrays, now holds the record for four-core TPC-C performance—across all operating systems and processor architectures.² The result also demonstrates world-record four-core UNIX® price/performance, with 33% better price/performance than IBM's fastest four-core TPC-C result with the Power5 processor.³
- **The world's fastest 16-core, one terabyte TPC-H result.** The HP Integrity rx8640 with eight Dual-Core Intel Itanium 2 processors, running HP-UX 11i v2, Oracle 10g, and HP StorageWorks arrays, now holds the record for 16-core TPC-H performance.^{4,5} The newly published rx8640 result demonstrates 33% better price/performance than the closest equivalent IBM Power5 published result.⁶ This published result also demonstrates better per-core performance than any other one-terabyte TPC-H result using Oracle, and any other one-terabyte TPC-H result using UNIX. It also shows the best price/performance of any one-terabyte TPC-H result using Oracle, DB2, or Sybase databases.

In addition to these just announced benchmarks, HP disclosed in July record benchmarks on HP Integrity servers running Dual-Core Intel Itanium 2 “Montecito” processors and the Microsoft Windows Server 2003 operating environment. The upcoming 4p/8c HP Integrity server with four Dual-Core Intel Itanium 2 processors running Windows Server 2003 and SQL Server 2005 holds the record for 8-core Windows TPC-C performance⁶. The HP Integrity rx8640 Server with sixteen dual-core

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Intel Itanium 2 processors running Windows Server 2003 and SQL Server 2005 holds the record for 32-core one-terabyte TPC-H performance for Itanium 2-based servers⁷.

Notes: **[Does Note 2 below actually reference the TPC-H benchmark? And should the info listed in Note 3 below actually be Note 4? Please see text references on previous page.]**

1. TPC is a non-profit corporation founded to define transaction processing and database benchmarks and to disseminate objective, verifiable transaction processing performance data to the industry. TPC-C is an on-line transaction processing (OLTP) benchmark. TPC-H is a decision support benchmark. URL: <http://www.tpc.org>.
2. On 8/1/2006, HP published 230,569 tpmC, at \$2.63/tpmC, for the upcoming HP Integrity server, running HP-UX 11i v2 and Oracle 10g. System availability is 12/1/2006. URL: http://tpc.org/tpcc/results/tpcc_result_detail.asp?id=106080101
3. IBM eServer p5 570, AIX 5L V5.3, Power5 – 1.9 GHz, 203,440 tpmC, \$3.93/tpmC, 10/17/2005 system availability. URL: http://tpc.org/tpcc/results/tpcc_result_detail.asp?id=105101702
4. On 8/4/2006, HP published 27,144 QphH (1 TB), at \$36.00/QphH (1 TB), for the HP Integrity rx8640, running HP-UX 11i v2 and Oracle 10g. System availability is 1/1/2007. URL: http://tpc.org/tpch/results/tpch_result_detail.asp?id=106080401
5. IBM eServer p5 570, AIX 5L V5.3, DB2 UDB 8.2, Power5 – 1.9 GHz, 26,156 QphH, \$53.43/QphH, 12/15/2004 system availability. URL: http://tpc.org/tpch/results/tpch_result_detail.asp?id=104091501

To be added to match above paragraph

6. On 7/18/2006, HP published 344,928 tpmC, at \$2.24/tpmC, for the upcoming 4p/8c HP Integrity server, running Microsoft Windows Server 2003 Enterprise Edition and Microsoft SQL Server 2005 (SP1). System availability is 12/1/2006.
7. On 7/18/2006, HP published 33,488 QphH (1 TB), at \$27.00/QphH (1 TB), for the HP Integrity rx8640, running Microsoft Windows Server 2003 Enterprise Edition and Microsoft SQL Server 2005 (SP1). System availability is 10/1/2006.

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