

HP Integrity rx6600 Server delivers leadership performance and price/performance running Oracle® Database 10g on Linux



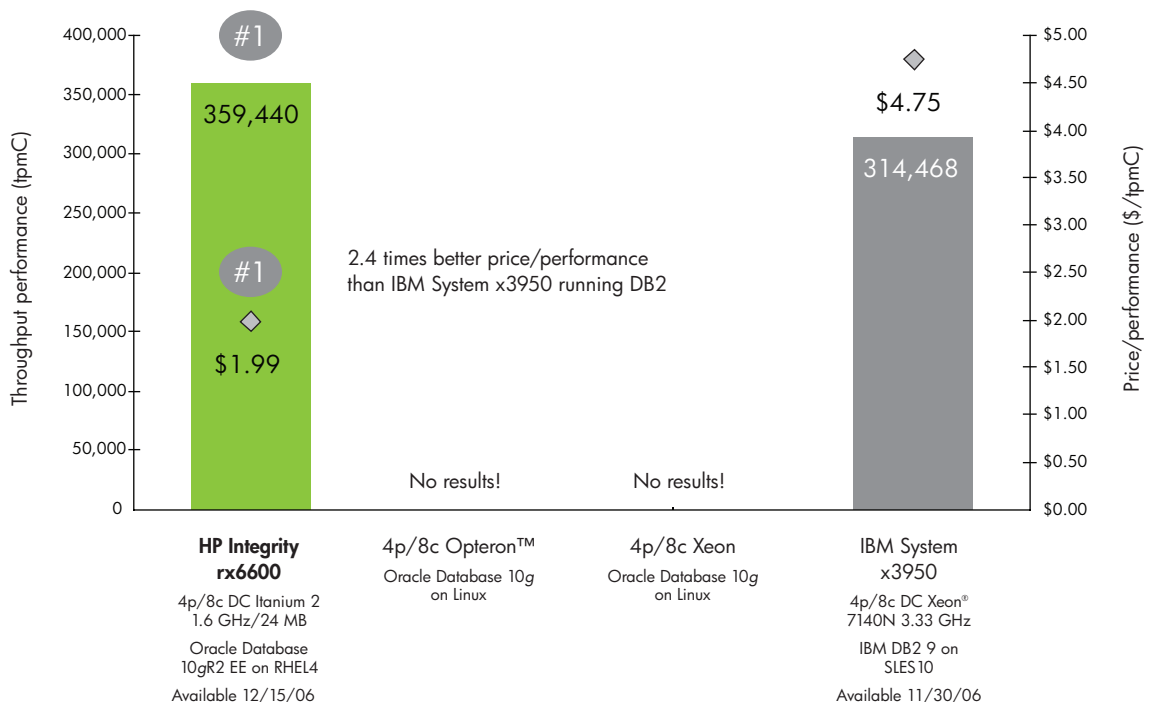
Overview

- #1 TPC-C performance *and* price/performance for 4-processor Oracle Database 10g on Linux¹
- 3 years of TPC-C leadership for 4-processor HP Integrity server running Oracle Database 10g on Linux²
- 2.4 times better price/performance than 4-processor IBM System x3950 server running Linux³

The HP Integrity rx6600 Server featuring Dual-Core Intel® Itanium® 2 processors has established new TPC performance *and* price/performance records for Oracle Database 10g running on a 4-processor Linux server. With the #1 result of 359,440 tpmC at US\$1.99/tpmC, the HP Integrity rx6600 Server extends more than three years of uninterrupted TPC-C leadership among 4-processor HP Integrity servers running Oracle Database 10g on Linux— a considerable achievement in its own right.

As illustrated in Figure 1, the new leadership HP Integrity rx6600 Server TPC-C result significantly surpasses recent results from other vendors. It demonstrates higher performance and 2.4 times better price/performance than a 4-processor IBM System x3950 server running IBM DB2 on Linux. It also showcases 37% higher performance and better price/performance than the highest-performance 4-processor AMD Opteron™ TPC-C achieved with any database running on any operating system.⁴

Figure 1. Leadership HP Integrity rx6600 Server TPC-C result



By being able to deliver the Oracle Database performance that an organization requires with fewer processors and fewer servers, HP Integrity servers enable organizations to realize savings at the solution level through lower software license and support costs—while also avoiding server sprawl. Organizations can consolidate, simplify, and free up their limited IT resources so that they can instead focus on bringing their high-business-value projects up and online more quickly.

HP Integrity servers can also enable a more robust Linux server infrastructure than that based on other servers, in addition to delivering superior performance and price/performance. This is because the HP zx2 and sx2000 server chipsets, combined with Dual-Core Intel Itanium 2 processors, are able to detect, contain, and correct more errors in hardware without requiring operating system involvement. The HP Integrity rx6600 Server features a myriad of advanced hardware-level reliability, availability, and serviceability (RAS) features throughout the server. It includes, for example, self-healing processor caches, processor logic parity protection, data path ECC protection, hardware-based memory scrubber and double-chip spare memory protection, PCI I/O ECC protection, and failure isolation to a single I/O slot.

With this proven track record of leadership in both performance *and* price/performance, the only TPC-C result for Oracle Real Application Clusters⁵, the ability to scale up well beyond x86-based servers as well as scale out, and more advanced hardware-level RAS features, HP Integrity servers are the ideal servers for deploying Oracle Database on Linux.

TPC-C is a trademark of the TPC. All results and comparisons are per www.tpc.org as of October 26, 2006.

¹ HP Integrity rx6600 Server running Oracle Database 10g Enterprise Edition with Red Hat Enterprise Linux 4 AS on four Dual-Core Intel Itanium 2 9050 1.6 GHz processors: 359,440 tpmC at \$1.99/tpmC. Published October 26, 2006; available December 15, 2006.

² The first leadership 4-processor Oracle Database 10g on Linux TPC-C result was established by an HP Integrity rx5670 Server running Oracle Database 10g Standard Edition on Red Hat Enterprise Linux 3 AS with four Intel Itanium 2 6M 1.5 GHz processors: 136,111 tpmC at US\$3.94/tpmC. Published September 5, 2003; available March 5, 2004.

³ IBM System x3950 server running IBM DB2 9 on SUSE Linux Enterprise Server 10 on four Dual-Core Intel Xeon® 7140N 3.33 GHz processors: 314,468 tpmC at US\$4.75/tpmC. Published September 19, 2006; available November 30, 2006.

⁴ Dual-core AMD Opteron™ 8220SE 2.8 GHz four-processor-based server (HP ProLiant DL585 G2 Server) running Microsoft® Windows® SQL Server 2005 Enterprise Edition with Microsoft Windows Server 2003 Enterprise Edition: 262,989 tpmC at US\$2.09/tpmC. Published September 25, 2006; available March 26, 2007.

⁵ HP Integrity rx5670 Server in 16-node cluster running Oracle Database 10g Enterprise Edition with Oracle Real Application Clusters on Red Hat Enterprise Linux 3 AS: 1,184,893 tpmC at US\$5.52/tpmC. Published December 8, 2003; available April 30, 2004.

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