

HP Integrity leadership benchmarks (as of January 2007)

Operating system	Workload	Positioning	Benchmark result
HP-UX	OLTP database	#1 2p/4c TPC-C ¹ and UNIX® price/tpmC ¹ (Dual-Core Intel® Itanium® 2 processors)	230,569 tpmC \$2.63 price/tpmC Availability: 12/1/2006
		#2 2p/4c UNIX® price/tpmC ¹ (Dual-Core Intel Itanium 2 processors)	200,829 tpmC \$2.75 price/tpmC Availability: 9/1/2006
	Data warehousing	#1 64p/64c TPC-H 1 TB ² (Intel Itanium 2 processors)	68,101 QphH \$59.00 price/QphH Availability: 1/18/2006
		#1 8p/16c TPC-H 1 TB ² (Dual-Core Intel Itanium 2 processors)	27,143 QphH \$36.00 ice/QphH Availability: 1/1/2007
		#1 64p/128c single system TPC-H 10 TB ² (Dual-Core Intel Itanium 2 processors)	171,380 QphH \$38.98 ice/QphH Availability: 4/1/2007
	Enterprise resource planning	#1 Oracle 64p/64c 3-tier SAP SD R/3 ³ (Intel Itanium 2 processors)	100,000 SD users
		#1 Oracle 16p/16c 2-tier SAP SD R/3 ³ (Intel Itanium 2 processors)	2,880 SD users
		#1 Oracle 8p/8c 3-tier SAP SD R/3 ³ (Intel Itanium 2 processors)	17,184 SD users
		#1 Oracle 64p/128c 2-tier SAP SD R/3 ³ (Dual-Core Intel Itanium 2 processors)	30,000 SD users
		#1 Oracle 4p/8c 2-tier SAP SD R/3 ³ (Dual-Core Intel Itanium 2 processors)	2,150 SD users
		#2 4p/4c SAP BW ³ in 8 GB Memory Database (Intel Itanium 2 processors)	97,344 navigation steps per hour
	Java™ Application Server	#1 2p/4c SPECjAppServer2004 ⁴ (Dual-Core Intel Itanium 2 processors)	803 JOPS
		#1 4p/8c dual-node SPECjAppServer2004 ⁴ (Dual-Core Intel Itanium 2 processors)	1578 JOPS
		#1 24p/48c multi-node SPECjAppServer2004 ⁴ (Dual-Core Intel Itanium 2 processors)	7629 JOPS
		#1 64p/128c SPECjbb2005 ⁴ (Dual-Core Intel Itanium 2 processors)	2,054,864 BOPS
		#1 2p/4c UNIX SPECjbb2005 ⁴ (Dual-Core Intel Itanium 2 processors)	80,884 BOPS
		#1 4p/8c UNIX SPECjbb2005 ⁴ (Dual-Core Intel Itanium 2 processors)	138,382 BOPS
	Compute intensive	#1 64p/128c SPECint_rate2000 ⁴ (Dual-Core Intel Itanium 2 processors)	2,367
		#1 64p/128c SPECint_rate2006 ⁴ (Dual-Core Intel Itanium 2 processors)	1,650
		#1 SPECfp2006 ⁴ (Dual-Core Intel Itanium 2 processors)	18.1 (peak)
Windows	OLTP database	#1 4p/8c Windows TPC-C ⁵ (Dual-Core Intel Itanium 2 processors)	344,928 tpmC \$2.24 price/tpmC Availability: 12/1/06
		#2 4p/8c Windows TPC-C ⁵ (Dual-Core Intel Itanium 2 processors)	290,644 tpmC \$2.71 price/tpmC Availability: 9/1/06

		#1 16p/16c Windows TPC-C ⁵ (Intel Itanium 2 processors)	332,266 tpmC \$4.48 price/tpmC Availability now
		#1 64p/64c Windows TPC-C ⁵ (Intel Itanium 2 processors)	1,231,433 tpmC \$4.82 price/tpmC Availability: 6/5/06
	Business Intelligence	#1 16p/32c Windows TPC-H 1 TB ⁶ (Dual-Core Intel Itanium 2 processors)	33,488 QphH \$27.00 price/QphH Availability: 10/1/06
		#1 32p/32c Windows TPC-H 3 TB ⁶ (Intel Itanium 2 processors)	30,956 QphH \$76.82 price/QphH Availability: 5/5/06
	Enterprise Resource Planning	#1 64p/64c Windows SAP SD 2-tier ⁷ (Intel Itanium 2 processors)	8,575 SD users
		#1 64p/64c Windows SAP SD 3-tier ⁷ (Intel Itanium 2 processors)	93,000 SD users
		#1 16p/32c Windows SAP SD 2-tier ⁷ (Dual-Core Intel Itanium 2 processors)	5,600 SD users
Linux	OLTP database	#1 2p/2c Linux price/tpmC ⁹ (Intel Itanium 2 processors)	51,506 tpmC \$1.81 price/tpmC Availability: 9/29/2004
		#1 4p/8c Linux TPC-C and Linux price/tpmC ⁹ (Dual-Core Intel Itanium 2 processors)	359,440 tpmC \$1.99 price/tpmC Availability: 12/15/2006
	Java Application Server	#1 4p/4c Linux single-node SPECjAppServer2004 ¹⁰ (Intel Itanium 2 processors)	542 JOPS

All results and comparisons as of December 6, 2006

¹See www.tpc.org for details.

HP rx4640 2p/4c, 200,829 tpmC @ \$2.75/tpmC, available 9/1/06.

HP rx6600 2p/4c, 230,569 tpmC @ \$2.63/tpmC, available 12/1/06.

²See www.tpc.org for details.

HP Superdome 64p/64c, 68,101 QphH (1 TB) @ \$59/QphH (1 TB), available 1/18/06.

HP rx8640 8p/16c, 27,143 QphH (1 TB) @ \$36/QphH (1 TB), available 1/1/07.

HP Superdome 64p/128c, 171,380 QphH (10 TB) @ \$38.98/QphH (10 TB), available 2/1/07.

³See www.sap.com/benchmark for details.

⁴See www.spec.org for details.

⁵See www.tpc.org for details.

HP rx6600 4p/8c with Microsoft SQL Server 2005 (SP1), 344,928 tpmC @ \$2.24/tpmC, available 12/1/06.

HP rx4640 4p/8c with Microsoft SQL Server 2005 (SP1), 290,644 tpmC @ \$2.71/tpmC, available 9/1/06.

HP rx8620 16p/16c with Microsoft SQL Server 2005 (SP1), 332,266 tpmC @ \$4.48/tpmC, available now.

HP Superdome with Microsoft SQL Server 2005 (SP1), 1,231,433 tpmC @ \$4.82/tpmC, available 6/5/06.

⁶See www.tpc.org for details.

HP rx8640 16p/32c with Microsoft SQL Server 2005 (SP1), 33,488 QphH (1 TB) @ \$27.00/QphH (1 TB), available 10/1/2006.

HP Superdome 32p/32c with Microsoft SQL Server 2005 (SP1), 30,956 QphH (3 TB) @ \$76.82/QphH (3 TB), available 5/5/06.

⁷See www.sap.com/benchmark for details.

⁸See www.oracle.com/siebel for details.

⁹See www.tpc.org for details.

HP rx2600 2p/2c, 51,506 tpmC @ \$1.81/tpmC, available 9/29/04.

HP rx6600 4p/8c, 359,440 tpmC @ \$1.99/tpmC, available 12/15/06.

¹⁰See www.spec.org for details.