

IBM posts leadership 4-way result on Windows for two-tier SAP SD Standard Application Benchmark

April 20, 2005 ... IBM® today announced a leadership 4-way Windows result on the two-tier SAP® Sales and Distribution (SD) Standard Application Benchmark of 1,020 SAP SD Benchmark users, running SAP R/3® Enterprise Release 4.70. This result was achieved by a complete IBM solution comprised of the IBM eServer® xSeries® 366 server, IBM DB2® Universal Database 8.2, and IBM TotalStorage® DS4500 Disk Subsystem.

The x366 used 64-bit DB2 UDB and Microsoft® Windows® Server 2003 Enterprise x64 Edition to achieve 1,020 SAP SD Benchmark users with 1.95 seconds average dialog response time, measured throughput of 307,000 dialog steps per hour (or 102,330 fully processed line items per hour), and an average CPU utilization of 98 percent. (1)

The x366 server, configured with a complete 64-bit software solution, outperformed similarly configured 4-way AMD Opteron and Intel® Xeon™ and Itanium™ processor-based SMP servers running Microsoft SQL Server 2000. The x366's result surpasses the recently published result of 1,017 SAP SD Benchmark users achieved by the HP ProLiant DL585, configured with four AMD Opteron 2.6GHz processors with 1MB L2 cache (2); the result of 937 SAP SD benchmark users achieved by the HP ProLiant DL580 G3, configured with four 64-bit Intel Xeon Processors MP at 3.33GHz with 8MB L3 cache (3); and the result of 717 SAP SD Benchmark users achieved by the HP Integrity rx4640 configured with four 1.5GHz Intel Itanium 2 processors (4).

The x366 used four 64-bit Intel Xeon Processors MP at 3.66GHz with 1MB L2 cache, 32GB of memory, DB2 UDB 8.2 (64-bit), Microsoft Windows Server 2003 Enterprise x64 Edition, and SAP R/3 Enterprise 4.70 (64-bit). The server accessed 1010GB of disk space managed by an IBM TotalStorage DS4500 Disk System.

Results referenced are current as of April 20, 2005.

For the latest SAP results, visit www.sap.com/benchmark.

For information about DB2 visit www.ibm.com/db2. For information about TotalStorage products, visit www-1.ibm.com/servers/storage.

(1) This benchmark fully complies with the SAP Benchmark Council regulations and has been audited and certified by SAP AG (certification number 2005016). Details can be obtained from IBM and SAP. The benchmark was performed at Research Triangle Park, North Carolina, USA, by IBM engineers.

(2) HP ProLiant DL585, 4-way SMP, AMD Opteron 2.6GHz processor with 1MB L2 cache, running SAP R/3 Enterprise Release 4.70 (64-bit), and Microsoft SQL Server 2000 (32-bit) and Microsoft Windows Server 2003 Enterprise x64 Edition, certification 2005004.

(3) HP ProLiant DL580 G3, 4-way SMP, 64-bit Intel Xeon Processor MP at 3.33GHz with 8MB L3 cache, running SAP R/3 Enterprise Release 4.70 (64-bit), and Microsoft SQL Server 2000 (32-bit) and Microsoft Windows Server 2003 Enterprise x64 Edition, certification 2005012.

(4) HP Integrity rx4640, 4-way SMP, Intel Itanium™ 2 1.5GHz with 6MB L3 cache, running SAP R/3 Enterprise Release 4.70, and Microsoft SQL Server 2000 and Microsoft Windows Server 2003 Enterprise Edition, certification 2004016.

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