IBM posts leadership 4-processor and 48-core result on Windows on two-tier SAP SD standard application benchmark

IBM System x3755 M3 and DB2 9.7 deliver new result on Windows on two-tier SAP SD standard application benchmark

December 17, 2010 ... IBM® today announced a leadership 4-processor and 48-core result on Windows® on the two-tier SAP® Sales and Distribution (SD) standard application benchmark. The result was achieved on the IBM System x3755 M3, configured with four AMD Opteron™ Model 6176 SE processors, and using the IBM System Storage™ DS4700 and running IBM DB2® 9.7 and SAP enhancement package 4 for the SAP ERP application Release 6.0.

The x3755 M3 achieved 8,888 SAP SD benchmark users with 0.97 seconds average dialog response time, 48,580 SAPS, measured throughput of 2,915,000 dialog steps per hour (or 971,670 fully processed line items per hour), and an average CPU utilization of 98 percent for the central server. (1)

The x3755 M3's result on Windows beats HP's result of 8,675 SAP SD benchmark users achieved on the HP ProLiant BL685c G7. (2)

The x3755 M3 was configured with four 12-core AMD Opteron Model 6176 SE processors (2.3GHz with 12MB each of L3 cache—4 processors/48 cores/12 cores per chip), 256GB of memory, 64-bit DB2 9.7, Microsoft® Windows Server 2008 Enterprise Edition, and SAP ERP 6.0. The server accessed the DB2 9.7 database on the storage managed by an IBM System Storage DS4700 disk system. (3)

Results referenced are current as of December 17, 2010. For the latest SAP benchmark results, visit: http://www.sap.com/benchmark.

(1) This benchmark fully complies with the SAP Benchmark Council regulations and has been audited and certified by SAP AG (certification number 2010053). Details can be obtained from IBM and SAP. The benchmark was performed at IBM in Beaverton, OR, USA, by IBM engineers.

(2) Statements of comparison are based on highest-performing 4-processor/48-core system using AMD Opteron processors and running SAP enhancement package 4 for SAP ERP 6.0. Results of the HP ProLiant BL685c G7 on the two-tier SAP SD standard application benchmark: 4 processors/48 cores/48 threads, AMD Opteron processor Model 6174, 2.2 GHz, 128 KB L1 cache and 512 KB L2 cache per core, 6 MB L3 cache per 6 cores, 256 GB main memory, Windows Server 2008 Enterprise Edition, SQL Server 2008, SAP enhancement package 4 for SAP ERP 6.0. Certification number 2010026.

(3) The configuration as tested will be available December 22, 2010.