

Two-tier SAP SD Standard Application Benchmark

The SPARC Enterprise T5440 server (4 processors/32 cores/256 threads) set a four-processor world record on the two-tier SAP(R) Sales and Distribution (SD) Standard Application Benchmark with 4,720 SAP SD Benchmark users for all systems running the SAP enhancement package 4 for the SAP ERP 6.0 application (Unicode). The SAP SD Standard Application Benchmark represents the critical tasks performed in real-world ERP business environments and demonstrates the performance of competitive systems running order- and invoice-processing workloads. Running the SAP solution with Oracle(R) Database , the SPARC Enterprise T5440 server surpassed the competing IBM System 550 server with four POWER6 processors by 26 percent with 3,752 SAP SD Benchmark users(1). This result also highlights the optimal performance of SAP ERP on the Solaris OS and the seamless multilingual support available for SPARC Enterprise systems running SAP applications.

SPECjAppServer2004

The SPARC Enterprise T5440 server, running seven instances of Oracle WebLogic Server using Solaris Containers technology, outperformed all other competitive solutions with a single-node on the SPECjAppServer2004 benchmark with 7,661.16 SPECjAppServer2004 JOPS@Standard. This benchmark captures the end-to-end application and database performance of a vendor's solutions and highlights the scalability of the SPARC Enterprise T5440 server in both application and database server roles. Running the latest versions of the Solaris 10 OS and Java Server software backed by Oracle Database 11g, the SPARC Enterprise T5440 server delivered 74 percent better performance than the Intel Xeon-based HP DL580 G5 solution and delivered a 21 percent improvement over the previous 1.4GHz-based SPARC Enterprise score(2).

For more information on SPARC Enterprise benchmarks, visit: <http://www.sun.com/benchmarks> and <http://www.fujitsu.com/sparcenterprise/>.

(1) Two-tier SAP SD Standard Application Benchmark results of the SPARC Enterprise T5440 (4 processors / 32 cores / 256 threads), running Solaris 10, Oracle 10g and SAP enhancement package 4 for SAP ERP (Unicode) are as follows: 4,720 SAP SD Benchmark users; 25,830 SAPS. Fully processed order line items/hour: 516,670, Dialog steps/hour: 1,550,000, Average database request time (dialog/update): 0.110 sec / 0.169 sec, CPU utilization: 96 percent. The SAP certification number was not available at press time and can be found at <http://www.sap.com/benchmark>.

Two-tier SAP SD Standard Application Benchmark results of the IBM System 550 (4 processors / 8 cores / 16 threads) running AIX 6.1, DB2 9.5 and SAP enhancement package 4 for SAP ERP 6.0 (Unicode) are as follows: 3,752 SAP SD Benchmark users, 20,520 SAPS. SAP certification number 2009023. Results as of July 15, 2009. For more details, see <http://www.sap.com/benchmark>.

(2) Sun SPARC Enterprise T5440 (4 chips, 32 cores, 4RU) 7,661.16 SPECjAppServer2004 JOPS@Standard. HP DL580 G5 (4 x Intel Xeon, 24 cores)4,410.07 SPECjAppServer2004 JOPS@Standard. Sun SPARC Enterprise T5440 (4 chips, 32 cores, 4RU) 6334.86 SPECjAppServer2004 JOPS@Standard.