

FUJITSU HIGH-END SERVERS ACHIEVE UNPRECEDENTED RESULTS IN SAP STANDARD APPLICATION SALES & DISTRIBUTION BENCHMARK

PRIMEPOWER 2500 Servers Gain Highest Rating Ever in Two-Tier SAP Standard Application SD Benchmark Running Oracle9i Database Release 2

Sunnyvale, CA, May 15, 2003 - Fujitsu Technology Solutions, Inc. today announced that they had achieved a score of 13,000 SAP[®] SD Benchmark users in the two-tier SAP Standard Application Sales & Distribution (SD) Benchmark with a 128-processor Solaris[™] compatible SPARC[®] based PRIMEPOWER[™] 2500 server and using Oracle9i[™] Database Release 2. This not only breaks through the 10,000-user barrier for the first time, but firmly places PRIMEPOWER servers and Oracle9i Database technology in the No. 1 position worldwide on this key performance benchmark.

Equally important, a score of 7,550 SAP SD Benchmark users was achieved using a 64-processor PRIMEPOWER 2500 server model. This shows the excellent linear scalability of PRIMEPOWER servers and Oracle[™] database technology as processors are added.

These achievements follow five other high-rated benchmark result numbers gained by Fujitsu from midrange PRIMEPOWER servers, including a No.1 position in the two-tier SAP Standard Application mySAP[™] Utilities Customer Care and Service (ISU/CCS) Benchmark, made public in the last two months.*

As part of its uncompromising product enhancement program, Fujitsu is focused on achieving the world's highest system performance, stability, and reliability. To this end the computer company has taken its enterprise class single PRIMEPOWER platform scalability to levels never before possible in the UNIX[®] server marketplace. Importantly this was achieved in conjunction with SAP AG, the world's leading provider of business software solutions, and Oracle, the world's largest enterprise software company.

“The combination of PRIMEPOWER and Oracle9i Database Release 2 continues to meet with unprecedented success in real-world high-performance benchmark testing,” said Richard Sarwal, vice president, Data Server Applied Technologies, Oracle Corporation.

Many users of SAP solutions are interested in upgrading their current systems to embrace more powerful enhanced capabilities of mySAP Business Suite solutions. PRIMEPOWER servers, with its superior performance and scalability - as demonstrated across a range of SAP benchmarks - have shown to be a leading platform for such demanding and experienced mySAP Business Suite customers.

“The PRIMEPOWER product line, with new extended architecture and systems stability management capability, is now clearly the standard to beat in enterprise computing platforms,” commented Richard McCormack, vice president of product and solutions marketing at Fujitsu Technology Solutions. “Its ability to run large and tuned Oracle9i Databases in commercial environments and important commercial benchmarks is real proof of its enterprise computing credentials.”

PRIMEPOWER 2500 server models can scale from 1 to 128 SPARC64[®] V processors and can be further upgraded by the implementation of even higher clock speed processors, as they are introduced as part of the Fujitsu processor roadmap. In addition, Fujitsu’s implementation of extended partitioning (XPAR) and dynamic relocation brings the flexibility of software partitioning to hardware implementation ensuring maximum system availability. All of these features are important to users of SAP solutions who must maintain their systems for many years as part of their core corporate business tasks.

The SAP Standard Application SD Benchmarks performed on April 16 and 20, 2003 by Fujitsu in Numazu, Japan, were certified on April 30, 2003, with the following data:

Number of benchmark users & comp.	: 13,000 SAP SD Benchmark users
Average dialog response time	: 1.87 seconds
Throughput	
Fully Processed Order Line items /hour	: 1,314,000
Dialog steps /hour	: 3,942,000
SAPS	: 65,700
Average DB request time (dia/upd)	: 0.040 sec / 0.045 sec
CPU utilization of central server	: 99 percent
Operating System central server	: Solaris 8
RDBMS	: Oracle9i
SAP R/3 [®] Release	: 4.6C
Total disk space	: 9,256 GB (Fujitsu ETERNUS [™] 3000)
Configuration	
Central Server	: Fujitsu PRIMEPOWER 2500, 128-way SMP, SPARC64 V, 1.30 GHz, 256 KB L1 cache, 2 MB L2 cache, 512 GB main memory

Number of benchmark users & comp.	: 7,550 SAP SD Benchmark users
Average dialog response time	: 1.95 seconds
Throughput	
Fully Processed Order Line items / hour	: 758,000
Dialog steps / hour	: 2,274,000
SAPS	: 37,900
Average DB request time (dia/upd)	: 0.038 sec / 0.027 sec
CPU utilization of central server	: 99 percent
Operating System central server	: Solaris 8
RDBMS	: Oracle9i
SAP R/3 Release	: 4.6C
Total disk space	: 9,256 GB (Fujitsu ETERNUS 3000)
Configuration	

Central Server : Fujitsu PRIMEPOWER 2500, 64-way SMP, SPARC64 V, 1.30 GHz, 256 KB L1 cache, 2 MB L2 cache, 256 GB main memory

* Two-tier SAP Standard Application IS-U/CCS Benchmark, certified by SAP on **March 11, 2003**, no. 2003013: 108,551 URC/h, 2,177,200 meter reading order creation/hour, PRIMEPOWER 900 with 16 x 1350 MHz SPARC64 V, 2 MB L2 cache, 64 GB main Memory, SAP R/3 Release 4.6C, SAP IS-U/CCS 4.64, Oracle 9i, Solaris 8

*Two-tier SAP Standard Application SD Benchmark, certified by SAP on **March 11, 2003**, no. 2003009: 1,120 SAP SD Benchmark users, 1.95 seconds average dialog response time, 112,330 order line items/hour, PRIMEPOWER 900 with 8 x 1350 MHz SPARC64 V, 2 MB L2 cache, 32 GB main Memory, SAP R/3 Release 4.6C, Oracle 9i, Solaris 8

* Two-tier SAP Standard Application SD Benchmark, certified by SAP on **March 11, 2003**, no.2003010: 2,200 SAP SD Benchmark users, 1.91 seconds average dialog response time, 221,670 order line items/hour, PRIMEPOWER 900 with 16 x 1350 MHz SPARC64 V, 2 MB L2 cache, 64 GB main Memory, SAP R/3 Release 4.6C, Oracle 9i, Solaris 8

* Two-tier SAP Standard Application Assemble-to-Order (ATO) Benchmarks, certified by SAP on **March 11, 2003**, no. 2003011: 6,220 fully business processed assembly orders/hour, PRIMEPOWER 900 with 8 x 1350 MHz SPARC64 V, 2 MB L2 cache, 32 GB main Memory, SAP R/3 Release 4.6C, Oracle 9i, Solaris 8

* Two-tier SAP Standard Application ATO Benchmarks, certified by SAP on **March 11, 2003**, no. 2003012: 12,170 fully business processed assembly orders/hour, PRIMEPOWER 900 with 16 x 1350 MHz SPARC64 V, 2 MB L2 cache, 64 GB main Memory, SAP R/3 Release 4.6C, Oracle 9i, Solaris 8

All SAP benchmarks stated in this document comply with the rules of the SAP Standard Application Benchmark Council and have been audited and certified by SAP. More information: <http://www.sap.com/benchmark>

###

About PRIMEPOWER: <http://www.ftsi.fujitsu.com/primepower/>

About Fujitsu Technology Solutions, Inc.: <http://www.ftsi.fujitsu.com>

Fujitsu Technology Solutions, Inc., headquartered in Sunnyvale, California, offers worldwide IT infrastructure solutions that encompass a range of technology solutions and fully customized managed services. Fujitsu Technology Solutions, Inc., an expert in enterprise and open systems server and storage solutions, focuses on delivering high availability, mission-critical, scalable solutions in the large-systems marketplace. Drawing on the skills and experience of Fujitsu Limited, as well as our many partner companies, Fujitsu Technology Solutions Inc. enables customers to balance the needs of rapid change and stability while maximizing the return on investment in existing and new technologies.

Fujitsu and the Fujitsu logo are registered trademarks of Fujitsu Limited. PRIMEPOWER is a trademark or registered trademark of Fujitsu Limited in the United States and other countries. ETERNUS is a trademark or registered trademark of Fujitsu Limited in Japan and other countries. UNIX is a registered trademark of the Open Group in the United States and other countries. Oracle and Oracle9i are trademarks or registered trademarks of Oracle Corporation and/or its affiliates. SAP, R/3, mySAP and all other SAP product and service names mentioned herein are trademarks or registered trademarks of SAP AG in Germany and several other countries. SPARC and SPARC 64 are registered trademarks of SPARC International, Inc. Products bearing the SPARC trademark are based on an architecture developed by Sun Microsystems, Inc. Solaris is a trademark or registered trademark of Sun Microsystems, Inc. in the United States and other countries.

Specifications are subject to change without notice. For the latest detailed information, contact your local sales representative.

Company Contact:

Jennifer McKim

Fujitsu Technology Solutions, Inc.

Ph: 408-746-3300

Fax: 408-746-4933

Email: jennifer_mckim@ftsi.fujitsu.com

Media Contact:

Colin Crook

Neale-May & Partners

Ph: 650-328-5555 x132

Fax: 650-328-5016

Email: ccrook@nealemay.com

© 2003 Fujitsu Technology Solutions, Inc.
FTSI-008-03