Oracle Press Release

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Oracle(r) Real Application Clusters on Dell Servers Set Industry-leading Performance for Linux on SAP SD Parallel Standard Application Benchmark
Delivers Premium Performance, Scalability and Value on Standards-based Dell Linux Cluster


This new leading result of 1,350 SD users, with an average response time of 1.97 seconds, was achieved by Dell using SAP R/3 Enterprise Release 4.7 SRI and Oracle(r) Real Application Clusters running the SAP SD workload on a two-node Dell PowerEdge 6650 Linux server cluster with four Intel Xeon MP 3.0 GHz processors per node. According to previously published SAP-certified benchmark results, Oracle Real Application Clusters delivers higher performance than the best SAP SD 2-tier eight processor Windows-based server results from IBM and Microsoft*.

"Combining Oracle's database software with Dell hardware gives our customers leading performance at a very low cost," said Richard Sarwal, vice president of Server Performance, Oracle Corporation. "This benchmark result shows that Oracle Real Application Clusters enable customers to support a large number of SAP users on clustered, standardized 4-way servers, which not only saves money on hardware, but also delivers high availability for the entire system."

Oracle adds this result to a long list of SAP SD benchmarks. Oracle holds the top six SAP SD 2-tier Standard Application benchmark results and the top four SAP SD Parallel Standard Application benchmark results. Oracle is the number one preferred database for SAP deployments, and continues to innovate to maintain its leadership. Today's announcement is an example of the close engineering partnership between Oracle, Dell and SAP to provide customers with fast, reliable and scalable database technology.

"Dell's partnerships with Oracle and SAP are critical to helping our customers achieve unprecedented value and performance when deploying business-critical databases and applications," said Linda York, vice president of Global Alliances in Dell's Product Group. "Together we are demonstrating that standards-based solutions are more scalable and cost-effective for the enterprise."

About SAP SD-Parallel Benchmarks
SAP Standard Application Benchmarks were developed by SAP to provide comparative load analysis of mySAP.com solution. SAP Sales and Distribution is an enterprise class application used by some of the largest companies in the world. The SAP SD Standard Application Benchmark was established in 1993, and has become the de-facto standard for measuring SAP performance. For more details see http://www.sap.com/benchmark.

About Oracle
Oracle (NASDAQ: ORCL) is the world's largest enterprise software company. For

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* As of July 16, 2004
Platform: IBM x455 Model 8855 3-RX
Number of processors used in the benchmark: 8
Type of processor and speed used: Intel Itanium2 1.5GHz, 6MB L3 cache
Number of certified SAP SD Benchmark Users: 1,200 two-tier SD
Operating System/Database Used: Windows Server 2003 Enterprise / DB2 UDB 8.1
SAP Benchmark Certification number: 2003063

As of July 16, 2004
Platform: HP Integrity rx7620
Number of processors used in the benchmark: 8
Type of processor and speed used: Intel Itanium2 1.5GHz, 6MB L3 cache
Number of certified SAP SD Benchmark Users: 1,240 two-tier SD
SAP Benchmark Certification number: Certification Number 2004037

***About SAP Standard Application Benchmark. The SAP SD standard R/3 Enterprise 4.70 application benchmark performed on June 18, 2004 by Dell in Walldorf, Germany was certified on June 29, 2004 with the following data:
Number of benchmark users & comp.: 1,350 SD (Sales & Distribution), Average dialog response time: 1.97 seconds, Throughput: Fully processed order line items/hour: 135,330, Dialog steps / hour: 406,000, SAPS: 6,770, Average DB request time (dia/upd): 0.019 sec / 0.103 sec, CPU utilization of servers: 92% (Node 1 active: 92%, Node 2 active: 92%), Operating System all servers: Red Hat Enterprise Linux 3, RDBMS: Oracle 9i Real Application Clusters, SAP R/3 Release: 4.70, Total disk space: 160 GB, Configuration: 2 Servers (2 active nodes): Dell PowerEdge Model 6650, 4-way SMP, Intel XEON MP, 3.0 GHz, 20 KB L1 cache, 512 KB L2 cache, 4 MB L3 cache, 8 GB main memory