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Teradata Beats Performance of Oracle Database by 75% and IBM Database by 44% in Industry Benchmarks

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DAYTON, Ohio, May 8 /PRNewswire/ -- In two data warehousing industry benchmarks published today, the Teradata(R) database has topped Oracle and IBM in both performance and price/performance measures. In a three-terabyte benchmark, the newest version of the Teradata database (V2R4.1) beat the performance of Oracle 9i by 75 percent with superior price/performance. In a similar one-terabyte benchmark, Teradata performed 44 percent better than IBM DB2 UDB 7.1, also with superior price/performance.

Teradata, a division of NCR Corporation (NYSE: NCR) is the only vendor to publish TPC-H benchmarks across multiple volume points with the same hardware platform. The results of both benchmarks taken together show the Teradata database's perfect linear scalability, which is valuable to companies that expect to grow their business and, along with it, their data requirements.

According to Richard Winter, president of Wintercorp, "Scalability claims are common, but they are rarely backed up with mathematics. In contrast, Teradata's benchmark results do exhibit 'slope of one' linearity, indicating that a balanced increase in system resources results in a proportional increase in throughput over the range measured. This type of scalability is important because it translates into investment protection for users. Teradata also leads the field in production-proven scalability according to our surveys, which once again this year show that many of the largest and most heavily used data warehouses -- including the single largest commercial data warehouse in the world -- run on Teradata."

TPC-H is a decision-support benchmark developed by the Transaction Processing Performance Council (TPC), an independent benchmark auditing organization, to measure how well databases perform decision support workloads with multiple, concurrent users submitting complex business queries.

The results of this benchmark confirm that Teradata is the data warehousing performance leader, which is why it is the database of choice for businesses that require both decision support processing power and the ability to grow their database without limiting performance.

"With the TPC benchmarks, one can make an 'apples to apples' comparison of the major database vendors, and Teradata comes out on top," said Vickie Farrell, vice president of Teradata Warehouse marketing. "However, data warehouse challenges not addressed by the TPC benchmarks include ad hoc queries, constantly changing queries, data skew, high user concurrency, and schema complexity. Customer-specific benchmarks are the ultimate indicators of how a customer's own application will actually perform on a given platform. And the tougher they are, the better because Teradata has consistently proven even higher performance levels over Oracle and IBM in these more demanding real-world benchmarks."

1 TB Results:

Vendor	Performance (QphH@1000GB)	Price/Performance per QphH@1000GB	Availability Date
IBM	12,866.8	$725	August 15, 2000
NCR	18,542.9	$693	July 27, 2001

3 TB Results:

Vendor	Performance (QphH@3000GB)	Price/Performance per QphH@3000GB	Availability Date
Sun/Oracle	10,764.7	$1222	June 19, 2001
NCR	18,803.6	$999	July 27, 2001

The TPC believes that comparisons of TPC-H results measured against different database sizes are misleading and discourages such comparisons.

About Teradata Division

Teradata, a division of NCR Corporation, offers powerful analytical solutions that help businesses drive growth. Teradata solutions include the Teradata database, and analytical applications for customer relationship management, operations and financial management, business performance management and e-business. To learn more about Teradata Division and its solutions, go to http://www.Teradata.com .

About NCR Corporation

NCR Corporation (NYSE: NCR) is a leader in providing Relationship Technology(TM) solutions to customers worldwide in the retail, financial, communications, manufacturing, travel and transportation, and insurance markets. NCR's Relationship Technology solutions include privacy-enabled Teradata(R) warehouses and customer relationship management (CRM) applications, store automation and automated teller machines (ATMs). The company's business solutions are built on the foundation of its long- established industry knowledge and consulting expertise, value-adding software, global customer support services, a complete line of consumable and media products, and leading edge hardware technology. NCR employs 33,200 in more than 100 countries, and is a component stock of the Standard & Poor's 500 Index. More information about NCR and its solutions may be found

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