

PERFORMANCE BENCHMARK RESULT

Lenovo posts record 4P TPC-E benchmark performance result

System x3850 X6 achieves top 4-processor performance on TPC-E

May 5, 2015 ... Lenovo® has again published the best 4-processor performance result on the TPC-E™ benchmark. This new result showcases the capability of the System x3850 X6 from Lenovo, based on the latest Intel® Xeon® E7 processor technology and running Microsoft® SQL Server® 2014.

The TPC-E benchmark is designed to enable clients to more objectively measure and compare the performance and price of various OLTP systems.

The System x3850 X6 server achieved the following score:

- **6,964.75 tpsE™** (transactions per second E). (1)

This score is the best 4 way performance in the industry, and is 24% faster than previous-generation 4-processor systems. (2)

The x3850 X6 achieved this record level of OLTP performance using Microsoft SQL Server 2014 Enterprise Edition and Microsoft Windows Server® 2012 Standard Edition. The x3850 X6 was configured with four Intel Xeon E7-8890 v3 processors at 2.50 GHz (4 processors/72 cores/144 threads) and 4 TB of TruDDR4 memory.

The System x3850 X6 is a 4-socket rack server designed for maximum performance and uptime for business-critical applications and databases.

With system support for up to 72 CPU cores, 6TB of system memory, and with over 100TB of flash storage, the 3850 X6 is designed to deliver leadership performance and scalability to power traditional databases as well as new in memory database and analytic solutions. The scalable design enables customers to virtualize both high performance databases and applications on the same server to deliver leadership solution performance.

To enhance performance, the x3850 has a unique modular design to deliver price/performance optimized, solutions. The modular design supports simple CPU upgrades for customers to maintain leadership performance over time as technology changes, and to maximize their solution investment without the disruption of replacing a server. (3)



X6 platforms, with a history of over 15 years of EXA investment and innovation, are designed to help reduce overall enterprise solution cost while delivering breakthrough performance and availability.

Results referenced are current as of May 5, 2015. To view all TPC results, visit www.tpc.org.

(1) The total solution availability for this TPC-E benchmark result is July 31, 2015. See the details for this result here: <http://www.tpc.org/4072>

(2) The System x3850 X6 measured 5,576.27 tpsE at \$188.69 USD / tpsE using four Intel Xeon E7-4890 v2 processors at 2.80 GHz (4 processors/60 cores/120 threads), Microsoft SQL Server 2014 Enterprise Edition, and Microsoft Windows Server 2012 Standard Edition. Total solution availability of April 15, 2014. This benchmark result was published before Lenovo completed the purchase of System x from IBM®. Result details are at: <http://www.tpc.org/4067>

(3) When a newer generation of processor and memory technology becomes available, Compute Books can be replaced with newer ones. (All Compute Books must use matching technology.)

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About Lenovo

Lenovo (HKSE: 992) (ADR: LNVGY) is a \$39 billion global Fortune 500 company and a leader in providing innovative consumer, commercial, and enterprise technology. Its portfolio of high-quality, secure products and services covers PCs (including the well-known Think and multimode YOGA brands), workstations, servers, storage, smart TVs and a family of mobile products like smartphones (including the Motorola brand), tablets and apps. Join us on LinkedIn, follow us on Facebook or Twitter (@Lenovo) or visit us at www.lenovo.com.

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