

# PERFORMANCE BENCHMARK RESULT

## Lenovo publishes leadership virtualization benchmark result with System x3850 X6

*Lenovo System x3850 X6 demonstrates leadership enterprise class performance for virtualization environments with #1 SPECvirt\_sc2013 result.*

May 5, 2015 ... Lenovo® delivers leadership server consolidation performance on the SPECvirt\_sc2013 virtualization benchmark with the publication of the leadership 4-socket SPECvirt\_sc2013 score.

The Lenovo System x3850 X6 delivered the following overall SPECvirt\_sc2013 performance score:

- 2655 @ 147 VMs



SPECvirt\_sc2013® is the second-generation SPEC® benchmark for evaluating the virtualization performance of datacenter server consolidation, including enterprise class workloads such as virtualized SMP application server VMs and SMP database VMs, as well as dynamic workload levels across many workload types and VM instances.

The Lenovo System x3850 X6 server was configured with the new generation Intel® Xeon® Processor E7-8890 v3 (2.5 GHz with 45 MB L3 cache per processor—4 chips/72 cores/18 cores per chip), 2048 GB (2 TB) of TruDDR4 memory, and four Intel X520 Dual Port 10GbE SFP+ Ethernet adapters. The operating system was Red Hat Enterprise Linux® 6.6 and Kernel-based Virtual Machine (KVM) hypervisor.

The Lenovo System x3850 X6 is an 4-socket server, designed for maximum performance and uptime for business-critical applications and cloud deployments. The X6 solution provides a powerful platform for mission-critical applications. Integrating hardware, software and memory advancements, the X6 enterprise servers are designed to be fast, agile and resilient.

With system support for up to 72 CPU cores, 6 TB of system memory, and greater than 100 TB of flash storage, the x3850 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.

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 5th, 2015. Result summary available at [http://www.spec.org/virt\\_sc2013/results/res2015q2/virt\\_sc2013-20150430-00025-perf.html](http://www.spec.org/virt_sc2013/results/res2015q2/virt_sc2013-20150430-00025-perf.html)

To view all SPECvirt\_sc2013 performance results visit the SPEC results page at [http://www.spec.org/virt\\_sc2013/results/specvirt\\_sc2013\\_perf.html](http://www.spec.org/virt_sc2013/results/specvirt_sc2013_perf.html)

###

## **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](http://www.lenovo.com).

Lenovo, System x and X-Architecture are registered trademarks of Lenovo.

Intel and Xeon are registered trademarks of Intel Corporation.

Linux is a registered trademark of Linus Torvalds in the United States, other countries, or both.

Red Hat is a trademark of Red Hat, Incorporated in the United States, other countries, or both.

SPEC, SPECvirt, SPECvirt\_sc, and SPECvirt\_sc2013 are registered trademarks of Standard Performance Evaluation Corporation (SPEC).

All other company/product names and service marks may be trademarks or registered trademarks of their respective companies.