# IBM publishes leadership 4-processor score for SPECvirt_sc2010 benchmark

*IBM System x3850 X5 demonstrates leadership performance for virtualization applications with overall highest SPECvirt score ever achieved with VMware ESX Server*

July 27, 2011 ... IBM® has delivered another record-setting performance result on the SPECvirt_sc™2010 benchmark with the publication of a leadership 4-processor score, which is also the overall highest score ever achieved with VMware® ESX Server.

The IBM System x® 3850 X5 server delivered an overall performance score of SPECvirt_sc2010 3,824 @ 234 VMs. SPECvirt_sc2010 is the first-generation SPEC® benchmark for evaluating the virtualization performance of datacenter server consolidation.

The x3850 X5 was configured with the Intel® Xeon® processor E7-8870 at 2.40GHz with 30MB shared L3 cache per processor — 4 processors/40 cores/10 cores per processor), 1TB of memory, and three hundred twelve (312) 73GB disk drives. The x3850 X5 ran VMware ESX Server 4.1 and the ESX Server's VMKernel-based hypervisor. (1)

The x3850 X5 server leverages fifth-generation IBM Enterprise X-Architecture®, delivering innovation with enhanced reliability and availability features to enable optimal performance for databases, enterprise applications, and virtualized environments. The x3850 X5 is a versatile 4-socket, 4U rack-optimized scalable enterprise server that supports up to 2TB of memory and up to 3TB of memory with the optional IBM MAX5 for System x. The x3850 X5 offers up to 8-socket (80-core) SMP operations with powerful 6-, 8- and 10-core Intel Xeon MP processors and up to 6TB of system memory in an 8-socket (80-core) complex with the optional IBM MAX5 for System x. The MAX5 is a scalable, 1U, memory expansion drawer that provides an additional 32 DIMM slots with a memory controller for added performance and a node controller for x3850 scalability.

Result referenced is current as of July 27, 2011. This SPECvirt_sc2010 result has been accepted by SPEC and is posted at http://www.spec.org/virt_sc2010/results/. View all results for SPEC benchmarks at http://www.spec.org.

(1) The IBM System x3850 X5 model as configured for this benchmark is generally available.