IBM publishes leadership 8-processor score for SPECvirt_sc2010 benchmark

IBM System x3850 X5 demonstrates leadership performance for virtualization applications with overall highest SPECvirt_sc2010 score achieved to date

May 5, 2011 ... IBM® builds on its record of leadership performance on the SPECvirt_sc™2010 benchmark with the publication of the overall highest score ever achieved. The IBM System x® 3850 X5 server delivered an overall performance score of SPECvirt_sc2010 7,067 @ 432 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 E7-4870 (2.40GHz with 30MB L3 cache per processor—8 chips/80 cores/10 cores per chip), 2TB of memory, 576 disk drives (73GB). The x3850 X5 ran Red Hat Enterprise Linux® 6 and Kernel-based Virtual Machine (KVM) 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 1TB of memory. In addition to higher levels of function than its predecessors, 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 3TB 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 May 5, 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.

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