IBM publishes best 16-core result on VMware VMmark virtualization benchmark

x3850 M2 delivers world-record result for VMware® VMmark™benchmark

April 3, 2008 ... IBM® has published its first VMware VMmark result, which was achieved using the IBM System x™ 3850 M2 and VMware ESX Server 3.5. The result is the overall highest VMmark score achieved to date.

The x3850 M2 server delivered 13.16 @ 9 Tiles—the highest 16-core result to date, and the overall highest VMmark score ever achieved. The x3850 M2 was configured with the Intel® Xeon® Processor X7350 at 2.93GHz (4 Sockets/4 Cores per Socket/16 Cores Total) and thirty-two 2GB PC2-5300 DDR II memory DIMMs.

Compared to 16-core results from similarly configured systems, the x3850 M2's result is 14 percent higher than the HP ProLiant DL580 G5 (1) and nearly 8 percent higher than the Dell PowerEdge R900. (2) By running with 9 Tiles, the x3850 M2 supported 12 percent more VMmark virtual machines than the HP and Dell servers, which were each run with 8 Tiles.

The x3850 M2 is based on the fourth generation of Enterprise X-Architecture®, and is designed to deliver innovation with enhanced reliability and availability features that enable optimal performance for databases, enterprise applications, and virtualized environments.

VMmark is a free tool that hardware vendors, virtualization software vendors and other organizations can use to measure the performance and scalability of applications running in virtualized environments. VMware developed VMmark as a standard methodology for comparing virtualized systems.

Results referenced are current as of April 3, 2008. For information about the VMmark benchmark and a complete list of results, go to http://vmware.com/products/vmmark/results.html.

(1) HP ProLiant DL580 G5, VMware ESX v3.0.2, Intel Xeon Processor X7350 at 2.93GHz (4 Sockets/4 Cores per Socket/16 Cores Total) and 64GB of memory, VMmark score - 11.54 @ 8 Tiles.

(2) Dell PowerEdge R900, VMware ESX v3.5.0, Intel Xeon Processor X7350 at 2.93GHz (4 Sockets/4 Cores per Socket/16 Cores Total) and 64GB of memory, VMmark score - 12.23 @ 8 Tiles.