IBM BladeCenter HS22V delivers competitive virtual datacenter performance for 2-socket, 12-core blades using VMmark v2.1.1 benchmark

October 21, 2011 ... IBM has published a VMware® VMmark 2™ result, which was achieved using the IBM® BladeCenter® HS22V and VMware ESX 4.1.0 with VMware vSphere Server 4.1.0.

IBM achieved a VMmark 2 benchmark score of 7.52 @ 7 tiles using two IBM BladeCenter HS22V servers, each configured with two 6-core Intel® Xeon® X5690 processors (3.46GHz with 256KB L2 cache per core and 12MB L3 cache per processor—2 Sockets/6 Cores per Socket/12 Cores Total), and 96GB of system memory.

The HS22V's score compares very favorably with the current top 2-socket, 12-core server result of 7.59 @ 7 tiles achieved by the similarly configured Fujitsu PRIMERGY RX300 S6. The HS22V's score also beats the scores of other similarly configured systems—the score of 7.13 @ 7 tiles achieved by the Cisco UCS B200 M2 and the score of 7.30 @ 7 tiles achieved by the Dell PowerEdge R710. (1)

Powered by the latest Intel Xeon 5600 series processors, the IBM BladeCenter HS22V is a high-density blade that offers outstanding performance for virtualization with new levels of memory capacity and processor performance. The HS22V blade is optimized for virtualization with 18 DIMM slots supporting up to 288GB of DDR3 memory for more and larger virtual machines per blade.

VMmark 2 is a benchmark that was designed specifically to quantify and measure the performance of virtualized datacenters. It features a tile-based scheme for measuring the scalability of consolidated workloads and provides a consistent methodology that captures both the overall scalability and individual application performance.

Results referenced are current as of October 21, 2011. The HS22V VMmark disclosure report is available at:
http://www.vmware.com/a/assets/vmmark/pdf/2011-10-18-IBM-HS22V.pdf

Information about the VMmark benchmark and a complete list of results are available at:
http://www.vmmark.com

(1) The comparison stated above is based on the best score achieved by a 2-socket, 6-core system.