**IBM System x3850 M2 and x3950 M2 demonstrate superior performance and performance per watt running Intel vConsolidate virtualization benchmark and VMware ESX Server 3.5 Update 1**

*x3850 M2 and x3950 M2 deliver better performance and performance per watt than HP ProLiant DL580 G5*

August 27, 2008 … IBM today announced the publication of a study recently commissioned by IBM and conducted by Principled Technologies (PT). The purpose of the study was to compare the performance and performance per watt of the IBM System x™ 3850 M2, the IBM System x3950 M2, and the HP ProLiant DL580 G5 systems running VMware® ESX Server 3.5 Update 1.

PT used the Intel vConsolidate OEM version 1 workload to measure the performance and power consumption of the three servers. The x3850 M2 and the ProLiant DL580 G5 were similarly configured with four Quad-Core Intel® Xeon® X7350 2.93GHz processors, thirty-two 2GB DIMMs, and identical PCI-e network and Host Bus adapters. The x3950 M2 was configured with eight Quad-Core Intel Xeon X7350 2.93GHz processors, sixty-four 2GB DIMMs, and identical, but twice the number of PCI-e network and Host Bus adapters.

The study's key findings show that the 4-processor IBM System x3850 M2:

- Delivered 11.8 percent more performance than the similarly configured HP ProLiant DL580 G5 server.

- Produced 29.3 percent better performance per watt running vConsolidate than the HP ProLiant DL580 G5 server.

- Consumed 13.6 percent less power than the HP ProLiant DL580 G5 server.

The study's key findings show that the 8-processor IBM System x3950 M2:

- Delivered 118.4 percent more performance than the 4-processor HP ProLiant DL580 G5 server.

- Produced 35.8 percent better performance per watt running vConsolidate than the HP ProLiant DL580 G5 server.

- Consumed 19.6 percent less power than two HP ProLiant DL580 G5 servers.

For complete details about the performance of each server, see the complete test report at:

http://www.principledtechnologies.com/Clients/Reports/IBM/IBMvCon0808.pdf

For a one-page summary of the report, see:

http://www.principledtechnologies.com/Clients/Reports/IBM/IBMvCon1p0808.pdf

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