

## **IBM System x3850 M2 demonstrates superior performance per watt running Intel vConsolidate virtualization benchmark**

*x3850 M2 delivers 27 percent better performance per watt than HP ProLiant DL580 G5*

March 12, 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 and the HP ProLiant DL580 G5 systems running VMware® ESX Server 3.5.

PT used the Intel vConsolidate OEM version 1 workload to measure the performance and power consumption of the two servers, which 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 study's key findings show that the IBM System x3850 M2:

- Produced 27.1 percent better performance per watt than the similarly configured HP ProLiant DL580 G5 server with redundant power supplies active at five consolidation stack units (CSUs).
- Delivered 8.0 percent more performance running vConsolidate with the optimum number of CSUs (five) than the HP ProLiant DL580 G5 server.
- With redundant power supplies active at five CSUs, used 15.1 percent less power than the HP ProLiant DL580 G5 server.

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

[www.principledtechnologies.com/clients/reports/IBM/IBMvCon0208.pdf](http://www.principledtechnologies.com/clients/reports/IBM/IBMvCon0208.pdf)

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

<http://principledtechnologies.com/Clients/Reports/IBM/IBMvCon1p0208.pdf>

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