HP ProLiant DL785 G6 wins #1 8-socket server results on SPECjbb®2005
Another amazing 48-core result with new Six-Core AMD Opteron™ processors

• Top 8-socket result: nearly 2 million SPECjbb2005 bops
• #1 Java business application performance on Windows
• Beats competitors – IBM by more than double, Sun by almost double
• 53% better performance than previous 32-core DL785 G5 result

Leading 8P performance
With the result of 1,984,616 SPECjbb 2005 bops (business operations per second), the ProLiant DL785 G6 with the newest Six-Core AMD Opteron processors extends the 8-socket leadership with several records on the SPECjbb®2005 benchmark.

Defeats the competition
• Up to 128% better performance vs. IBM p570.
• Up to 103% better performance vs. IBM BladeCenter LS42.
• Up to 91% better performance vs. Sun Fire X4600.

Increased scalability with Six-Core processors
As compared to the previous generation Quad-Core result of the DL785 G5 of 1,296,080 SPECjbb2005 bops (Windows) the Six-Core DL785 G6 results showed 53% increased performance.

Business outcomes
With this result, the DL785 G6 shows its capability for scaling up with the business needs while maintaining high application throughput for Java business applications.

The HP ProLiant DL785 G6 outperformed ALL other 8-socket competitors

What are the benefits of using the HP ProLiant DL785 G6 for Java?
These latest results establish even more completely that the DL785 G6 is the performance leader in its category for Java server side business logic. The DL785 architecture provides deployment flexibility, consolidation, and scalability while maintaining high application throughput for Java business applications.
Powered by latest AMD six-core Opteron Processors, the HP ProLiant DL785 G6 is the next generation server of the award-winning HP ProLiant DL785 G5, still offering all the familiar and easy-to-use ProLiant management tools and options as well as new enhancements.

The ProLiant DL785 G6 offers enhanced power management, support for power monitoring, regulation, and capping, and support for HP Insight Power Manager.

Figure 2. ProLiant server shows excellent Quad-Core to Six-Core scaling on SPECjbb2005 benchmark

Comparing with the previous DL785 G5 result of 1,296,080 SPECjbb2005 bops (Windows) with quad core processors, the DL785 G6 result with six-core processors showed 53% increased performance.

What SPECjbb2005 measures
SPECjbb2005 is SPEC’s benchmark for evaluating the performance of server side Java. Like its predecessor, SPECjbb2000, SPECjbb2005 evaluates the performance of server side Java by emulating a three-tier client/server system (with emphasis on the middle tier). The benchmark exercises the implementations of the JVM (Java Virtual Machine), JIT (Just-In-Time) compiler, garbage collection, threads and some aspects of the operating system. It also measures the performance of CPUs, caches, memory hierarchy, and the scalability of shared memory processors (SMPs). SPECjbb2005 provides a new enhanced workload, implemented in a more object-oriented manner to reflect how real-world applications are designed and introduces new features such as XML processing and BigDecimal computations to make the benchmark a more realistic reflection of today’s applications. The benchmark’s results portray server throughput in business operations per second or SPECjbb2005 BOPS. A higher number of SPECjbb2005 BOPS is better. For more information on SPECjbb2005, please visit www.spec.org. More information about SPEC®2005 results can be found at the following Web page: http://www.spec.org. Results as of 09-09-09. HP ProLiant performance: www.hp.com/servers/benchmarks.

Technology for better business outcomes
To learn more, visit www.hp.com/servers/proliantdl785

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