HP ProLiant DL785 G5 is #1 8P server on SPECjbb®2005 benchmark

Defeats Sun and IBM eight-processor competitors

HP Leadership and Customer Value

Benefits of the DL785 G5

This result establishes the DL785 G5 as 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.

The award-winning 8-socket workhorse HP ProLiant DL785 G5 is a balanced platform suitable for any number of applications. With up to 16 drives, 512 GB memory, and 11 expansion slots, the DL785 G5 is the most expandable 8-socket x86 server. Standard robust remote management, Systems Insight Display diagnostic panel, and HP Systems Insight Manager complete the package.

Benefits of HP and Oracle Jrockit® JVM

Oracle JRockit JVM is a high performance Java Virtual Machine now built into Oracle Fusion Middleware. It brings real time infrastructure capabilities with JRockit Real Time and JVM diagnostics with JRockit Mission Control. Customers can lower operating costs and mitigate risks by choosing proven, reliable solutions from trusted business partners—HP and Oracle.

Server Configuration

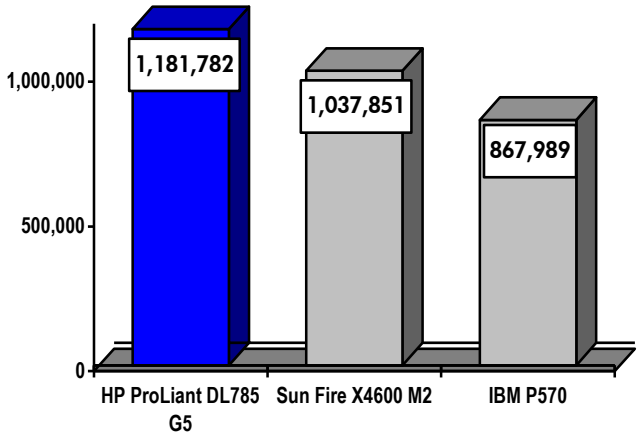
- 8 x QC AMD Opteron ™ 8384 2.7-GHz processors (32 cores total, 4 cores/chip, 6 MB L3 shared cache)
- 32 x 2 GB DDR2 800-MHz RAM
- 1 x 72 GB 5.4K SFF 2.5 » SAS hard disk drive
- 1 x HP Smart Array P400 controller
- Microsoft® Windows® Server 2008 EE SP1 64-bit
- Oracle JRockit®

Key Points

HP announced results of the SPECjbb®2005 benchmark for the HP ProLiant DL785 G5 server with **1,181,782 SPECjbb2005 BOPS** (business operations per second).

- **14% better than the Sun Fire X4600 M2 result (same processors)**
- **36% better than the IBM Power 570 result (POWER 6)**
- **#1 worldwide 8-processor result**
- **#1 result for any server up to 8 processors**
- **#1 result for any AMD based server**
- **#1 result for any Windows based server**

Figure 1. Top three 8-processor results on SPECjbb2005 benchmark



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 SPEjbb®2005 results can be found at the following Web page: http://www.spec.org. Results as of 02-25-09. To see more HP ProLiant performance records: www.hp.com/servers/benchmarks.