



HP ProLiant BL685 G6 server blade achieves #2 four-processor result on the two-tier SAP® Sales and Distribution Standard Application Benchmark with the new SAP enhancement package 4 for SAP ERP 6.0



HP leadership with ProLiant servers



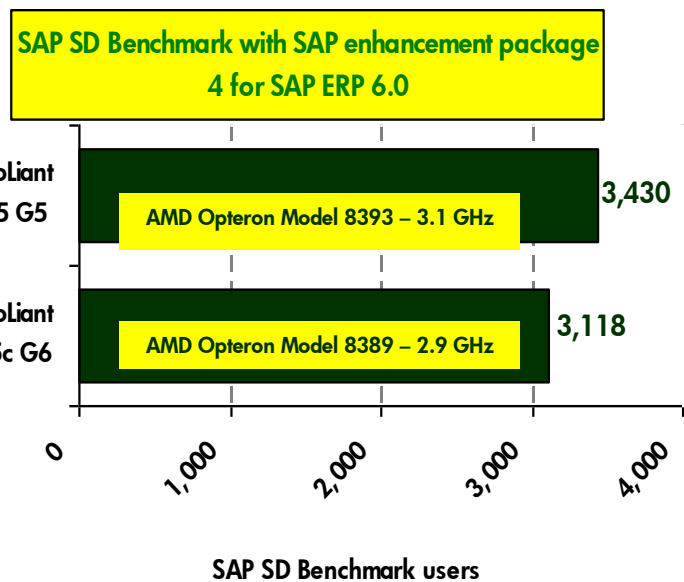
The new generation **HP ProLiant BL685c G6 server blade** is a four-processor capable server blade built for performance intensive applications and virtual environments. With HP ProLiant G6 server blades, customers get outstanding and competitive features that combine to provide:

- **Leading energy and power efficiency**
- **Cost-saving management and virtualization**
- **Dependable performance**

Key points regarding this BL685c G6 performance result on two-tier SAP® Sales and Distribution (SD) Standard Application Benchmark

- **The HP ProLiant BL685c G6 achieved the #2 four-processor result on the two-tier SAP Sales and Distribution (SD) Standard Application Benchmark with SAP enhancement package 4 for the SAP ERP 6.0 application.**

Figure 1. Current four-processor results on two-tier SAP® SD Standard Application Benchmark for servers running SAP enhancement package 4 for SAP ERP 6.0 (comparative details in Appendix)¹



All results as of 04-24-09. Details in Appendix.

Customer value

Q. What are the benefits of using HP ProLiant server blades and SAP applications?



SAP Standard Application Benchmarks test the hardware and database performance of SAP applications and components.

As one of the largest technology partners for SAP, HP is a global technology partner, software solution partner, global alliance support partner, global services partner, and global hosting partner. HP ProLiant servers consistently earn leading results on the two-tier SAP SD Standard Application Benchmark.

HP ProLiant servers have proven to be reliable and cost-effective. HP servers host almost 50% of all installations of SAP solutions, with more than 60,000 installations and 25,000 customers.

HP BladeSystem infrastructures offer a highly flexible and scalable environment that enables enterprises to embrace change while dramatically reducing their total cost of ownership, and especially so with the new G6 platforms.

HP's strong technology capabilities are demonstrated through the results of these benchmarks.

All results as of 04-24-09. More benchmark details can be found at <http://www.sap.com/benchmark>.

Technology for better business outcomes

What's new

SAP Enhancement Package 4 for SAP ERP 6.0

On January 1, 2009, SAP upgraded the SAP SD Standard Application Benchmark to the SAP enhancement package 4 for SAP ERP 6.0, part of SAP Business Suite 7 software. These enhancements make the SAP SD Standard Application Benchmark more resource intensive, which has a direct impact on the numbers achieved in the benchmark run, according to SAP. The steps of the benchmark scenario remain unchanged. The updates include utilizing a Unicode codepage, a change in the subsecond response time to below one second, use of the new general ledger, and the activation of credit limit check functionality that marks a date of change for the SAP ERP benchmarks.¹

Interpreting the performance results

ProLiant server testing configurations

Tests were performed on the HP ProLiant BL685c G6 server blade by HP in Houston, TX, USA. HP received certification from SAP AG of the results on the two-tier SAP SD Standard Application Benchmark for the ProLiant BL685c G6 (Certification #2009007). The ProLiant BL685c G6 server blade was set up as a four-processor system with four 2.9-GHz Quad-Core AMD Opteron Model 8389 processors (4 processors/16 cores/16 threads), with 128 KB L1 cache and 512 KB L2 cache per core, 6MB L3 cache per processor, and 64 GB (16 x 4 GB) Registered DDR2 main memory. The server was running Microsoft Windows Server 2008 Enterprise Edition operating system, Microsoft SQL Server 2008 Enterprise Edition database, and the SAP enhancement package 4 for SAP ERP 6.0 (Unicode). The HP ProLiant BL685c G6 achieved 3,118 SAP SD Benchmark users, equivalent to a throughput of 341,000 fully processed order line items per hour or 17,050 SAPs. All results as of 04-24-2009; details can be found at <http://www.sap.com/benchmark>.

The HP difference

HP provides all of the tools and services required for customers to plan their deployment of the SAP ERP application as well as the best practices and experience to help implement the application successfully without disruption to business operations. Thousands of deployments of SAP solutions worldwide run mission-critical environments on HP servers. Unlike many other service providers, HP Services shares with customers its solid expertise in HP technology for flexible management, virtualization, consolidation, and integration of SAP solution-based environments. In addition, HP is a global SAP partner offering leading support for SQL implementations. HP's SAP Consulting and Integration services practice also has strong expertise with SAP solution-based deployments, and hundreds of successful customer implementations.

SAP and HP Partnership

HP has been partnering with SAP AG for over 20 years and is one of the largest SAP customers in the world. In fact, SAP selected HP output management technology. Together, SAP and HP have created a remarkable legacy providing world-class business solutions to global clients. They offer a unique combination of open, flexible technologies and broad expertise. That's why nearly half of the worldwide implementations of SAP applications run on HP infrastructure.

Appendix

¹Configuration details from Figure 1 versus ProLiant BL685c G6 server blade

HP ProLiant DL585 G5 results on the two-tier SAP SD Standard Application Benchmark. The HP ProLiant DL585 G5 (Certification #2009004) was configured as a four-processor server with four 3.1-GHz Quad-Core AMD Opteron 8393 Processors (4 processors/16 cores/16 threads), with 128 KB L1 cache and 512 KB L2 cache per core, 6MB L3 cache per processor, and 64 GB (16 x 4 GB) Registered DDR2 main memory. The server was running Microsoft Windows Server 2008 Enterprise Edition operating system, Microsoft SQL Server 2008 Enterprise Edition database, and the SAP enhancement package 4 for SAP ERP 6.0 (Unicode). The HP ProLiant DL585 G5 achieved 3,430 SAP SD Benchmark users, equivalent to a throughput of 374,670 fully processed order line items per hour or 18,730 SAPs.

For more information

HP ProLiant BL685c G6: <http://www.hp.com/servers/bl685c>

HP ProLiant storage solutions: www.hp.com/go/serial and <http://h18004.www1.hp.com/products/servers/platforms/storage.html>

SAP benchmark details: <http://www.sap.com/benchmark>

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