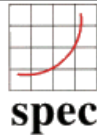




HP ProLiant DL580 G5: #1 single-node result on SPECjAppServer2004 benchmark



HP Leadership



DL580 G5: best in class platform for compute intensive applications

Key Points

- #1 worldwide single-node performance
- Outstanding performance using the latest Intel 7400 series processors
- 132% scaling from 4 cores to 6 cores

Customer Value



How ProLiant provides real value to customers

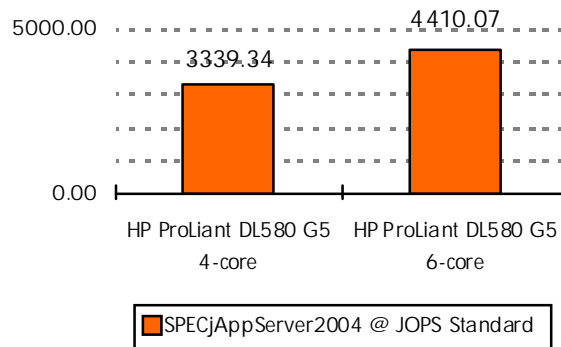
HP announced new record-breaking results on the SPECjAppServer2004 benchmark for the HP ProLiant DL580 G5 on September 18, 2008.

SPECjAppServer2004 is a multi-tier benchmark for measuring the performance of a representative J2EE application and each of the components that make up the application environment, including hardware, application server software, JVM software, database software, JDBC drivers and the system network. This latest result is one of many historical world record results that have been achieved by ProLiant servers on several benchmarks.

HP posts a very large number of results on different benchmarks, regularly updating benchmark standings on top selling rack, tower, and blade servers. This shows the HP commitment to providing information that customers need for purchase decisions, providing real value. For more information, visit <http://www.spec.org/jAppServer2004/>

Results as of 09-18-08.

Figure 1. Top 2 single-node results worldwide
132% scaling from 4 to 6 cores



Configuration details	JOPS	App/Database/OS
HP ProLiant DL580 G5, 16 cores, 4 chips, single node	3339.94	Oracle WebLogic Server Standard Edition Release 10.3/Red Hat Enterprise Linux 5
HP ProLiant DL580 G5, 24 cores, 4 chips, single node	4410.07	Oracle WebLogic Server Standard Edition Release 10.3/Oracle Enterprise Linux 5

ProLiant server testing configurations

The HP ProLiant DL580 G5 running Oracle WebLogic Server 10g Release 3 with Oracle Database 11g achieved 4,410.07 SPECjAppServer2004 JOPS@Standard (jAppServer Operations Per Second). Oracle WebLogic Server 10g Release 3 was running on a HP ProLiant DL580 G5 four socket server with the new Intel® Xeon® processor X7460 2.66 GHz with 6-cores and 16M L3 Cache and HP StorageWorks 70 Modular Smart Arrays. Oracle Database 11g was running on an identical hardware configuration. Both application server and database machines were running Oracle Enterprise Linux.

Scalability increases with Multi-Core technology

In addition to highest number of transactions for a single node benchmark run, the HP ProLiant DL580 G5 also showed excellent four-processor/six-core scalability results as compared to the highest result with an HP two-processor quad-core Intel Xeon server. The server showed 132% increase in performance.

The HP advantage: HP innovative technology behind the results

HP ProLiant DL580 G5

The HP ProLiant DL580 G5 is the best in class platform for compute intensive applications, combining Intel's new multi-core Xeon® processor technology, maximum scalability and high availability features. This 4 socket server offers unsurpassed flexibility and serviceability in a versatile, 4U, rack-optimized form factor. Based upon the latest industry standard processing, memory, I/O and networking technologies, the ProLiant DL580 G5 provides the highest levels of performance demanded by today's compute intensive applications and virtualization. Unparalleled high availability features, including hot-plug redundant components, promotes maximum uptime. Remote management is made easy with Integrated Lights-Out 2 (iLO 2) technology which allows remote administration from a standard web-browser without ever having to visit the server. Its highly expandable architecture provides maximum application deployment flexibility with the ability to add PCI-Express, PCI-X or battery-backed write cache options. Innovative features, such as the ability to access processors, memory, hard drives, and power supplies while the unit remains secured in the rack, enable rapid response to service events, radically decreasing overall IT costs and server downtime.

HP StorageWorks 70 Modular Smart Array

The HP StorageWorks 70 Modular Smart Array is an end-to-end flexible storage array, offering data availability, enhanced reliability, enhanced performance and tiered storage capability with SAS and SATA drives and investment protection. Small and midrange business growing storage needs can be managed by deploying this low cost, flexible tiered storage system with up to 14.4 TB capacity supporting SAS or SATA.

For more information

HP ProLiant DL580 G5: www.hp.com/servers/dl580

HP ProLiant storage solutions: www.hp.com/go/serial

ProLiant benchmarks: www.hp.com/servers/benchmarks

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SPEC, the SPEC logo, and the benchmark name SPECjAppServer is a trademark of the Standard Performance Evaluation Corp. (SPEC). The SPEC logo is © 2007 Standard Performance Evaluation Corporation (SPEC), reprinted with permission. Competitive numbers shown reflect results published on www.spec.org as of September 18, 2008. The comparison presented is based on single node. For the latest SPECjAppServer2004 results visit <http://www.spec.org/osg/jAppServer2004>.