

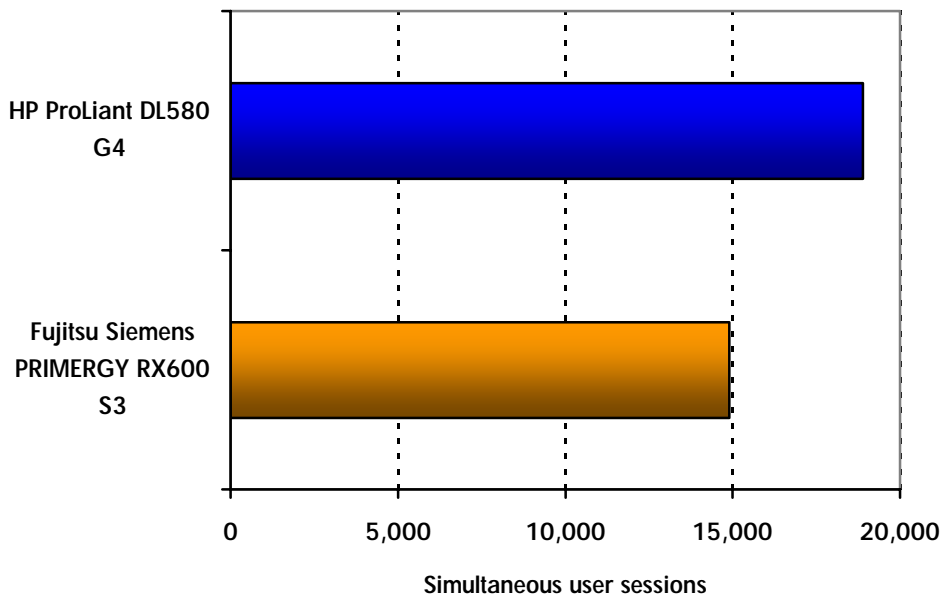
HP ProLiant DL580 G4 takes 2 worldwide performance records on SPECweb2005 benchmark: #1 Intel-based 4-socket server and #1 performance in SPECweb2005_Banking (SSL transactions)



#1 Intel-based 4-socket server

Equipped with 4x3.4-GHz Dual-Core Intel Xeon 7140M processors, the ProLiant DL580 G4 achieved the world-record Intel-based 4-socket SPECweb2005 score of 18,981 simultaneous user sessions and defeated the Fujitsu-Siemens PRIMERGY RX600 S3. As shown in the chart below, the HP ProLiant DL580 G4 delivers exceptional performance for customers with applications requiring a secure environment using the SSL protocol, as well as standard static HTTP requests. This superior SPECweb2005 result was achieved utilizing Rock Web Server Software v1.4.0 (x86_64) on RedHat Enterprise Linux 5 (2.6.18-8.e15).

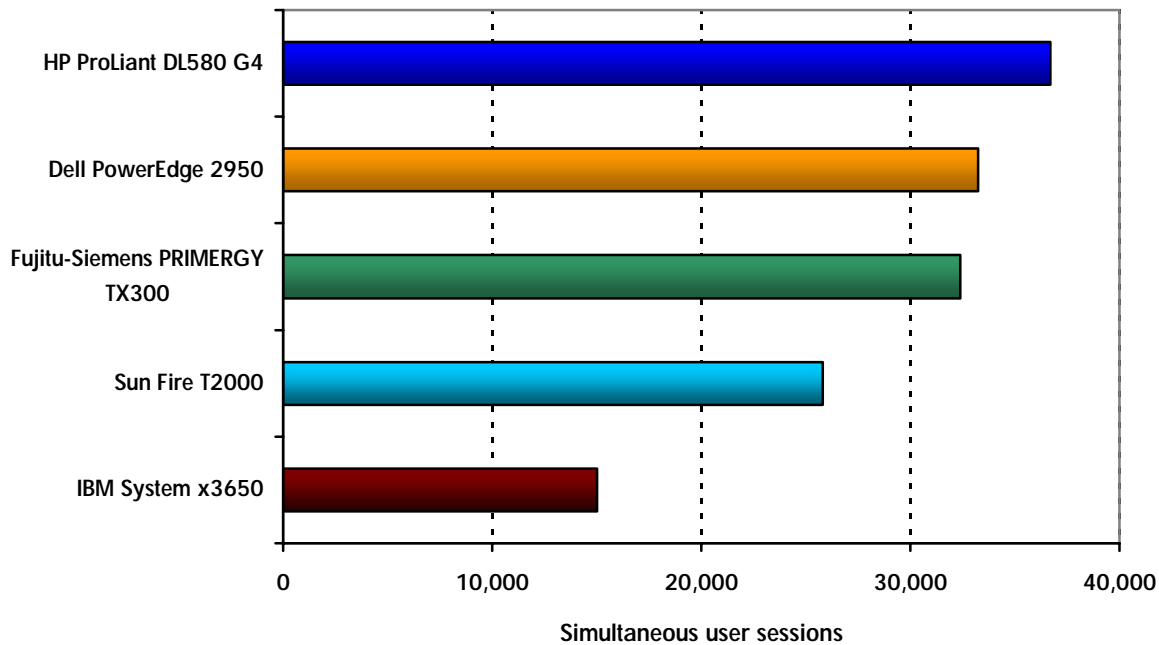
Chart 1. Top Intel 4-socket SPECweb2005 results



#1 performance in SPECweb2005_Banking (SSL transaction)

Equipped with 4x3.4-GHz Dual-Core Intel Xeon 7140M processors, the ProLiant DL580 G4 achieved the #1 world-record SPECweb2005_Banking score of 36,704 simultaneous user sessions and defeated the Dell PowerEdge 2950, the Fujitsu Siemens PRIMERGY TX300, the Sun Fire T2000, and the IBM System x3650.

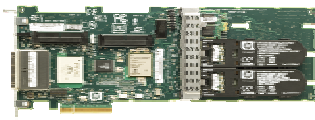
Chart 2. Top SPECweb2005_Banking (SSL transaction) results



The HP ProLiant DL580 G4

The ProLiant DL580 G4 server is an enterprise class, 4 socket server designed for maximum scalability and high availability. Its innovative chassis offers unsurpassed flexibility and serviceability in a versatile, rack-optimized form factor. Based upon the latest industry standard processing, memory, I/O and networking technologies, the ProLiant DL580 G4 provides the highest levels of performance demanded by today's compute intensive applications. Unparalleled high availability features, including front-accessible Hot Plug RAID Memory, and hot-plug redundant components, guarantee maximum uptime. Integrated Lights-Out 2 (iLO2) technology allows remote administration from a standard web-browser without ever having to visit the server. Within the 4U dense form factor, its highly expandable architecture provides maximum application deployment flexibility with the ability to add PCI-Express, hot plug 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 Smart Array Controller P800



The HP Smart Array P800 is a 16 port, PCIe SAS controller. It ships standard with 512MB cache, dual batteries and RAID 6 (ADG) support. This controller supports up to 108 hard drives and is the highest performing controller in the Smart Array portfolio.

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.

Single transition with HP SFF SAS – leading the future of storage



The transition to SFF SAS drives is the most significant transition in the industry's history, fueled by the biggest required leap in storage capacity ever experienced along with the need for faster access to stored data. Many server vendors forced customers to undergo two transitions, first to 3.5" SAS and finally to 2.5" – **HP lead this industry change, providing one transition – directly to SFF for the ultimate in SAS performance and the best investment protection.** HP small form-factor SAS drives offer 3Gb/sec throughput, nearly 10x the throughput of Ultra320 SCSI solutions with superior price/performance, making HP SAS the clear choice for high performance DSS database applications.

About SPECweb2005

This next-generation SPEC benchmark was designed by industry leading companies, including Hewlett-Packard, in order to evaluate the performance of state-of-the-art web servers. The three workloads, banking (https), e-commerce (https and http), and support (http) are designed to closely match today's real-world web server access patterns. Each workload measures simultaneous user sessions; however, the overall score of SPECweb2005 is unit-less. A server achieving a higher score represents a server with an overall better performance running all three workloads.

SPEC, the SPEC logo, and the benchmark name SPECweb are registered trademarks of the Standard Performance Evaluation Corporation (SPEC). The SPEC logo is © 2006 Standard Performance Evaluation Corporation (SPEC), reprinted with permission. Herein two comparisons presented above are based on the top performing Intel 4-socket and all servers respectively. The competitive benchmark results stated herein reflect results published on www.spec.org as of May 7, 2007. For the latest SPECweb2005 benchmark results, please visit www.spec.org/web2005.

For more information

SPEC Fair Usage
www.spec.org/fairuse.html

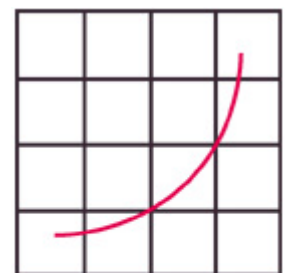
SPEC Trademarks
www.spec.org/spec/trademarks.html

SPEC Copyright
www.spec.org/spec/copyright.html

Red Hat
<http://www.redhat.com/>

Accoria Networks, Inc.
www.accoria.com

HP ProLiant DL580 G4
www.hp.com/servers/proliantdl580



spec

© 2007 Hewlett-Packard Development Company, L.P. The information contained herein is subject to change without notice. The only warranties for HP products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. HP shall not be liable for technical or editorial errors or omissions contained herein.

May 2007

