HP takes world record for single node performance with ProLiant DL580 G5 server running Oracle WebLogic Server Standard Edition Release 10.3 Middleware on SPECjAppServer2004

The HP Difference

The DL580 G5 server features performance and expansion with

- The latest Intel X7350 Quad-Core technology for maximum scalability
- 32 DIMM sockets allow 256 GB of PC2-5300 Fully Buffered DIMMs
- Up to 16 SFF SAS/SATA hot plug drives provide up to 2.336TB of internal storage
- Dual integrated Gigabit NICs and the Smart Array P400i come standard

Key results at a glance

- **HP ProLiant leadership with the #1 single node overall performance result on SPECjAppServer 2004**
- **Outperformed core-for-core SUN SPARC Enterprise T5240 with x86/64**
- **The HP ProLiant DL580 G5 with industry standard architecture using Linux prevails over proprietary SPARC using Solaris**
- **Excellent value for performance – HP ProLiant DL580 G5 server starts at $6,022, approximately 1/3 the starting price of Sun SPARC T5240, $17,995**

HP ProLiant DL580 G5 delivers real value	**3339.94 JOPS@Standard Base price $6,022**	**3331.31 JOPS@Standard Base price $17,995**

Base price comparison of HP ProLiant DL580 G5 and Sun SPARC T5240:

Base cost per HP and Sun websites as of 08-04-08

HP ProLiant DL580 G5

- Based upon the latest industry standard processing, memory, I/O and networking technologies, the new HP ProLiant DL580 G5 provides the highest levels of performance demanded by today's compute intensive applications

Enlarge Image
View Demo

Configurable Models | » Preconfigured Models

Bases/Features	-Configurable- HP ProLiant DL580 G5 Rack Server
Buy/Config	Customize» Find a reseller
Compare»	Check to compare
Price	$6,022.00 [1]

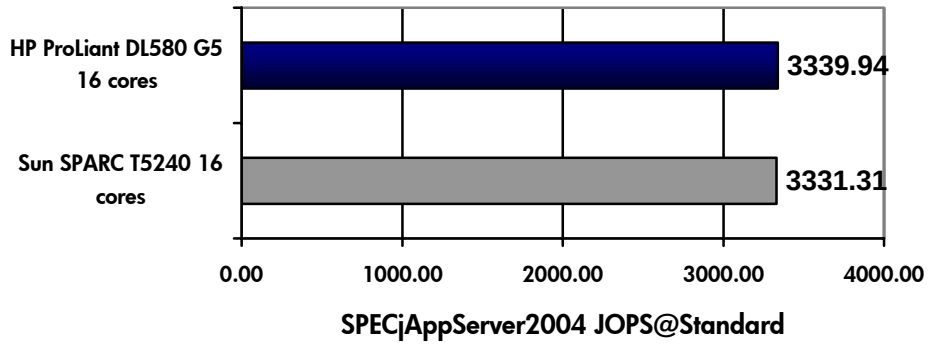
Sun SPARC Enterprise T5240

Sun SPARC Enterprise T5240 Server Base Configurations

« Return to Viewing 4 Base Configurations

	Config 1
» Shop Worldwide	Add Options
Price (U.S.)	$ 17,995.00
Processor	2 x 6-Core UltraSPARC T2 Plus, 1.2 GHz, 96 Threads
Memory	8 GB (8 x 1 GB DIMMs)
Mass Storage	292 GB (2 x 146 GB) 10000 rpm SAS Disks
Optical Drive	1 DVD-RW Drive
Network & I/O Options	4 x 10/100/1000 Ethernet, 4 USB, 4 PCIe, 2 PCIe or XAUI
Power/Cooling	2 x 100 to 240 V AC
Physical Specifications	2 Rack Unit
Operating System/Software	Solaris 10 Preinstalled; Supports Linux
Services/Warranty	Services Available; 1 Year Warranty

Top single-node SPECjAppServer 2004 results



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
Sun SPARC T5240, 16 cores, 2 chips, single node	3331.31	Oracle Application Server 10g Release 10.1.3.3.2 – Java Edition/ Solaris 10 8/07 64-bit

About the SPECjAppServer2004 Benchmark

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. For more information, visit http://www.spec.org/jAppServer2004/.

ProLiant server configuration

The server was running Red Hat Enterprise Linux 5 IA32 PAE with Oracle WebLogic v10.3. The ProLiant DL580 G5 was configured with 4 x 2.93 GHz Quad-Core Intel Xeon x7350 processors (16 cores/4 chips/4 cores per chip), with 2 x 4MB L2 cache shared per chip and 64GB main memory. The ProLiant DL580 G5 utilized an HP Modular Storage Array 70 (MSA70).

The HP ProLiant advantage

About the ProLiant DL580 G5 server

The ProLiant DL580 G5 server is designed for large-scale messaging platforms, large databases, ERP and CRM applications. It is ideal for compute-intensive and mission critical applications. The four-processor, Multi-Core HP ProLiant DL580 G5 combines more Performance and Expansion, Ease of Serviceability and Management, and Simplified Ownership.

- Performance and Expansion
- Ease of Serviceability and Management
- Simplified Ownership

HP SFF SAS: leading the future of storage

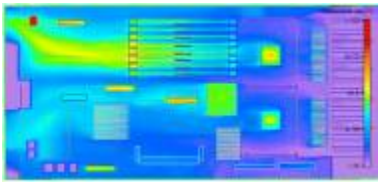
The transition to SFF SAS drives appears as one of the most significant transitions in the industry's history, fueled by the biggest required increase in storage capacity ever experienced along with the need for faster access to stored data.

Higher reliability

- 1.7 million mean time between failures (MTBF) vs. 1.5 million for 3.5" SCSI

Better performance

- Serial point-to-point connections
- More spindles per platform



SFF enables better airflow

Greater efficiency and improved thermals with SFF drives

- Half the power consumption – 9 Watts

HP Modular Storage Array 70 (MSA70)

The MSA70 delivers industry-leading technology to meet today's demanding and growing storage needs. The performance and scalability of the MSA70 allows for up 14.4TB storage capacity supporting both SAS and SATA in the same enclosure.

For more information

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

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

SPECjApp2004 details: http://www.spec.org/jAppServer2004/results/

August 2008