

# HP ProLiant DL380 G4 on a Windows platform leads in two-way, two-tier SAP® Sales and Distribution Standard Application Benchmark



## New Intel Xeon processors help reach 437 SAP SD Benchmark user result

HP's ProLiant DL380 G4 on a Windows platform supports a leading result of 437 SAP Sales and Distribution (SD) benchmark users based on a two-tier SAP SD Standard Application Benchmark achieved at the Microsoft/HP Labs in Houston, Texas, USA. The SAP Benchmark evaluated two HP ProLiant DL380-G4 servers utilizing the newest Intel® Xeon™, 3.6GHz (introduced August 2, 2004) processors with Smart Array 6i Controllers that provided 516GB of storage.

The server, certified on Aug. 2, 2004 (#2004050), performed with SAP R/3® Enterprise Release 4.7 software, topping other Windows competitors for leadership of two-way, two-tier benchmarks, validating the ProLiant DL380 G4 as:

- Leading in similarly-configured comparisons with the IBM eServer Blade Center HS20, and the Dell PowerEdge 2650
- Excelling in a two-way, two-tier Windows environment over various configured servers
- Showing performance gains over IBM, Dell, Fujitsu, and Bull competitors

**vs. IBM eServer Blade Center HS20 and i5 Model 520.** The ProLiant DL380 G4 and the Blade Center HS20 (Certification 2004031), both two-way servers, were configured for this level of benchmark testing with Intel Xeon 3.6 and 3.2GHz processors, respectively. Both the ProLiant DL380 G4 and the Blade Center HS20 were running SAP R/3 Enterprise 4.7 with Microsoft Windows Server 2003 Enterprise Edition. The ProLiant DL380 G4 used a Microsoft SQL Server 2000 database, while the Blade Center HS20 used an IBM DB2 UDB 8.1 database. The ProLiant DL380 G4 led with 437 SAP SD benchmark users and 2,200 SAPS vs. the Blade Center HS20's 428 SAP SD benchmark users and 2,130 SAPS.

The ProLiant DL380 G4 also compared favorably to the IBM i5 Model 520 (Certification 2004027). With two-way SMP, **POWER5** 1.65GHz processors running SAP R/3 Enterprise 4.7 with i5/OS V5R3 and DB2 UDB database, the IBM i5 Model 520 only achieved 433 SAP SD benchmark users and 2,170 SAPS.

**vs. Dell PowerEdge 2650.** The Dell PowerEdge 2650 (Certification 2003092) was also configured as a two-way server with Intel Xeon 3.06GHz processors utilizing running SAP R/3 Enterprise 4.7 with Microsoft Windows Server 2003 Enterprise Edition and Microsoft SQL 2000 Enterprise Edition database. The PowerEdge 2650 achieved only 290 SAP SD benchmark users and 1,470 SAPS.

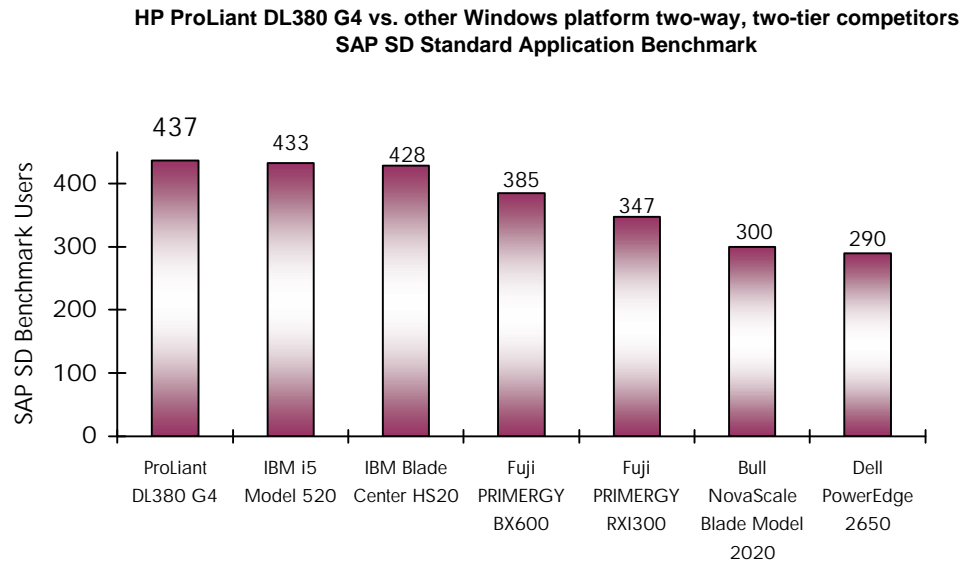
**vs. Fujitsu Siemens SMP BX600 and SMP BXI300.** Two Fujitsu Siemens servers, the two-way SMP BX600 (Certification 2004028) with 3.2GHz Intel Xeon DP processors and the two-way SMP BXI300 (Certification 2004032) with **Intel Itanium 2** processors achieved 385 SAP SD benchmark users and 1,750 SAPS, and 347 SAP SD benchmark users and 1,930 SAPS, respectively. The BX600 was running SAP R/3 Enterprise 4.7 with SuSE Linux Enterprise Server 8 and SAP DB 7.3.0 database. The BXI300 was running SAP R/3 Enterprise 4.7 with Microsoft Windows Server 2003 Enterprise Edition for IA 64 and Microsoft SQL Server 2000 (64-bit) database.



vs. Bull. The Bull NovaScale Blade Model 2020 (Certification 2004045) configuration included two-way SMP, Intel Xeon DP, 3.2GHz processors running SAP R/3 Enterprise 4.7 Microsoft Windows Server 2003 Enterprise Edition and Microsoft SQL Server 2000 database. The ProLiant DL380 G4 achieved 31% MORE SAP SD benchmark users than the Bull Nova Scale Blade Model 2020, which supported 300 SAP SD benchmark users and 1,620 SAPS.

In addition, the ProLiant DL380 G4 surpassed competitors running Power5 and Intel Itanium 2 configurations as shown in the IBM and Fujitsu Siemens information above.

Figure 1. The HP ProLiant DL380 G4 bests IBM, Fujitsu, Bull, and Dell competitors



Results as of 9-08-04. For more information, please refer to <http://www.sap.com/benchmark/>.

## The advantages of the partnership between HP and SAP.

Extensive experience and a close relationship are keys to making the partnership between HP and SAP a success. Working together, HP and SAP deliver design, sizing, and project plans geared to their customers' needs and strategies. SAP and HP also collaborate very closely in research and development. Tests and benchmarks provide hard facts on our performance and capabilities.

Well over 35,000 successful joint installations reflect HP's deep understanding of the deployment and customer requirements for SAP ERP solutions and the mySAP™ Business Suite family of business solutions. No other company has completed more installations of SAP solutions than HP — that's because HP understands how to turn customer demands into business tools using mySAP Business Suite and other SAP solutions. Across all major operating systems, one out of every two SAP solution-based installations runs on HP infrastructure.

## For more information

HP ProLiant DL380 G4 - <http://h18004.www1.hp.com/products/servers/proliantdl380/index.html>

SAP - For more information, please refer to <http://www.sap.com/benchmark/content.htm>.

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