HP ProLiant DL785 G6 achieves leadership Windows performance on TPC-H @ 1000 GB benchmark

- #1 Windows performance
- #1 eight-socket performance
- #1 eight-socket price/performance
- #1 x86 non-clustered performance
- First six-core per socket TPC-H @ 1000 GB benchmark result

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**Exceptional x86 performance**
The DL785 G6 is the first and only x86 server with eight six-core processors running Windows Server 2008 R2 to post results on the TPC-H @ 1000 GB benchmark. In addition to holding the #1 nonclustered x86 performance result, the DL785 G6 offers outstanding price/performance and holds the #1 8P price/performance record with this result.

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**ProLiant DL785 G6 scores 81,514.8 QphH @ $2.90 USD/QphH on 1000 GB TPC-H benchmark**

**The only x86 eight-socket server with results posted on TPC-H @ 1000 GB benchmark!**

**Outstanding value**
DL785 G6 is the highest performing x86 server with 81,514.8 QphH on 1000GB TPC-H benchmark making it an ideal platform for enterprise class business intelligence and decision support solutions at an attractive price. The DL785 G6 also offers an excellent price/performance benefit as a single server (non-clustered) for large scale business intelligence deployment.

**What are the benefits of using the HP ProLiant DL785 G6 for decision support applications?**
The DL785 G6 with the latest sixcore AMD Opteron™ processors has been designed as an excellent database server. Its balanced architecture with ample I/O and memory make it an ideal platform for decision support and business intelligence processes. Many businesses find this type of benchmark useful in determining what servers to utilize because the TPCH benchmark illustrates decision support systems that examine large volumes of data, execute queries with a high degree of complexity, and give answers to critical business questions. Hundreds of customers run their database applications on the DL785 server.

**Multiple performance records**
Neither the IBM x3950 M2 nor the Sun Fire X4640 have posted results on the 1000 GB TPCH benchmark as of the date of publication. HP provides results for many of its servers on multiple benchmarks to enable customers to make purchasing decisions. The HP ProLiant DL785 G6 has achieved multiple performance records on multiple benchmarks. For more information, see several recordbreaking benchmark briefs at:


Test results as of 11-09-09. For more details, please visit: [http://www.tpc.org](http://www.tpc.org)

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**Run with confidence**
HP has posted hundreds of leading results on the most commonly referenced benchmarks on hundreds of HP servers and blades, helping customers to be confident in HP. Hundreds of customers run their database application on DL785 servers.

**Business outcomes**
With an outstanding price and multiple leading benchmarks in performance, customers are reassured that the DL785 G6 server will enable them to accelerate business growth, lower costs, and mitigate risk while delivering outstanding investment protection, making it the BEST PLATFORM in its class for their business applications.
Benchmark configuration

The HP ProLiant DL785 G6 was configured with 8 Six-Core AMD Opteron™ 8439 2.8GHz processors (8 processors/48 cores /48 threads), and 512GB PC2-5300 (64 x 8 GB) main memory. The server was running Microsoft SQL Server 2008 Enterprise Edition database and Windows Server 2008 R2 Enterprise Edition operating system. The storage system consisted of six HP Smart Array P800 Controllers and twelve HP Modular Storage Array (MSA) 70 enclosures populated with 240 x 72 GB 15K 2.5" Single Port SAS Disks for the database, and 6 internal disks connected to an internal HP Smart Array P400 controller. System availability date is 11/09/09.

What TPC-H measures

The TPC Benchmark™H (TPCH) is a decision support benchmark. It consists of a suite of business oriented adhoc queries and concurrent data modifications. The queries and the data populating the database have been chosen to have broad industry-wide relevance. This benchmark illustrates decision support systems that examine large volumes of data, execute queries with a high degree of complexity, and give answers to critical business questions.

The performance metric reported by TPCH is called the TPCH Composite Queryper-Hour Performance Metric (QphH@Size), and reflects multiple aspects of the capability of the system to process queries. These aspects include the selected database size against which the queries are executed, the query processing power when queries are submitted by a single stream, and the query throughput when queries are submitted by multiple concurrent users. The TPCH Price/Performance metric is expressed as $/QphH@Size.

TPC Disclosure: A full disclosure report describing these benchmark results can be downloaded from the TPC web site at http://www.tpc.org. The intent of this disclosure is to simplify comparison between results and for a customer to be able to replicate the results of this benchmark given appropriate documentation and products.

Results as of 11-09-09.

Technology for better business outcomes

To learn more, visit www.hp.com/servers/proliantdl785

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