

HPE ProLiant DL380 Gen9 Server, Microsoft SQL 2016 achieve excellent TPC-H performance results over SQL 14

Up to 39% performance improvement over results using new MS SQL 2016 on the TPC-H @ 1000 GB benchmark

Executive Summary

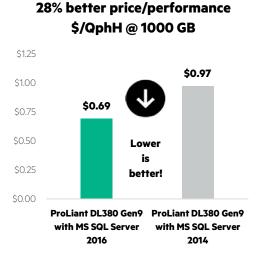
The HPE ProLiant DL380 Gen9 Server delivers the best performance and expandability in the HPE 2P rack portfolio.¹ Its latest benchmark result, TPC-H @ 1000 GB, is yet another proof point that the ProLiant DL380 Gen9 delivers faster business results, thus, quicker returns on customers' investments.

With 543,102 QphH and \$0.69/QphH results and running Microsoft SQL 2016, the ProLiant DL380 Gen9 achieved a 39% performance scalability gain and 28% better price/performance when compared to the similarly configured ProLiant DL380 Gen9 running Microsoft SQL 2014.

Microsoft SQL Server 2016²

As the biggest leap forward in Microsoft's data platform history, Microsoft SQL Server 2016 delivers breakthrough mission-critical performance, deeper insights across any data on many devices, and enables the power of hyperscale cloud to unlock new hybrid scenarios.³

39% greater performance QphH @ 1000 GB 543,102 450,000 Higher is better! ProLiant DL380 Gen9 ProLiant DL380 Gen9 with MS SQL Server 2016 2014



Customer value with HPE and Microsoft

HPE and Microsoft leverage their depth of expertise developed over three decades of partnership to create solutions that deliver next-generation performance requirements. Their solutions are designed to deliver a cost-effective, simplified, and open platform for mission critical data management requirements. Together HPE and Microsoft take familiar platforms customers know and own - from mobile devices and desktops to data center and cloud - and build integrated solutions; services, and support that help amplify the speed and effectiveness of the business, grow a competitive edge, and deliver tangible business results.

For more information:

HPE Server benchmarks: hpe.com/servers/benchmarks HPE ProLiant DL380 Gen9 Server: hpe.com/servers/dl380

Key takeaways

- Significant performance scalability increase using Microsoft SQL Server 2016
- 39% increase in performance
- 28% better price/performance
- HPE ProLiant DL380 Gen9
 Server performance: Reliability, serviceability, and near-continuous availability, backed by a comprehensive warranty, make the ProLiant DL380 Gen9 ideal for any environment. The server is purpose-built for flexibility, efficiency, and manageability. With the HPE ProLiant DL380 Gen9, customers can deploy a single platform to handle a wide variety of enterprise workloads.



Configurations

Microsoft SQL Server 2016: 543,102 QphH and \$0.69 USD/QphH @ 1000 GB; 2 processors/ 36 cores/ 72 threads; Intel Xeon E5-2699 v3

• HPE ProLiant DL380 Gen9 with

72 threads; Intel Xeon E5-2699 v3 processors 2.30 GHz, 768 GB RAM. Microsoft Windows Server 2012 R2 Standard Edition, tpc.org/3318

 HPE ProLiant DL380 Gen9 with Microsoft SQL 2014: 390,590 QphH and \$0.97 USD/QphH @ 1000 GB; 2 processors/ 36 cores/ 72 threads; Intel Xeon E5-2699 v3 processors 2.30 GHz, 768 GB RAM, tpc.org/3303

¹ CQ3 2015 IDC Server Tracker

² Microsoft SQL Server 2016 Enterprise Edition will be available to order on March 10, 2016, and generally available by July 31, 2016.

³ Microsoft.com - Microsoft SQL Server datasheet

[©] Copyright 2016 Hewlett Packard Enterprise Development LP. The information contained herein is subject to change without notice. The only warranties for HPE 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. HPE shall not be liable for technical or editorial errors or omissions contained herein. Intel and Xeon are trademarks of Intel Corporation in the U.S. and other countries. Microsoft and Windows are U.S. registered trademarks of Microsoft Corporation. TPC and TPC-H are trademarks of the Transaction Processing Performance Council. TPC-H results show the HPE ProLiant DL380 Gen9 Server with a result of 543,102 QphH @1000 GB and \$0.69QphH @ 1000GB with system availability as of 7-13 2016; See tpc.org/3318. The TPC believes that comparisons of TPC-H results published with different scale factors are misleading and discourages such comparisons. Results as of March 10, 2016; see tpc.org for more information.