

New HPE ProLiant DL380 Gen11 takes #1 overall performance on decision support workload at 10TB



Key takeaways

HPE ProLiant DL380 Gen11 results at TPC-H 10,000GB scale factor (non-clustered)

- **World record performance at 10,000GB scale factor**
- **World record 2P performance at 10,000GB scale factor**
- **First to pass 2 million QphH**
- **42.79% better performance than the Dell EMC PowerEdge R940xa (4 Intel Xeon 8280 processors)**
- **111.2% better performance than Dell EMC PowerEdge R7525 (2 AMD EPYC™ 7343 processors)**

HPE server configurations

HPE ProLiant DL380 Gen11, Intel Xeon Platinum 8490H, available 5/1/2023, scored 2,028,444 QphH@10,000GB and \$821.80 USD/kQphH@10,000GB. See tpc.org/3387.

HPE ProLiant DL380 Gen10 Plus, Intel® Xeon® Gold 6346, available 8/31/2021, scored 956,701 QphH@10,000GB and \$438.11 USD/kQphH@10,000GB. See tpc.org/3379.

All results valid as of March 3, 2023.

4th Gen Intel® Xeon® processors deliver records and a first on the TPC Benchmark™ H

Executive summary

On the TPC Benchmark™ H (TPC-H) benchmark at the 10000GB scale factor (non-clustered), the new HPE ProLiant DL380 Gen11 server with Intel® Xeon® Platinum 8490H+ processors achieved the world's best performance, best 2P performance, and a significant generational gain. In addition, the server was the first to surpass a score of 2 million QphH.

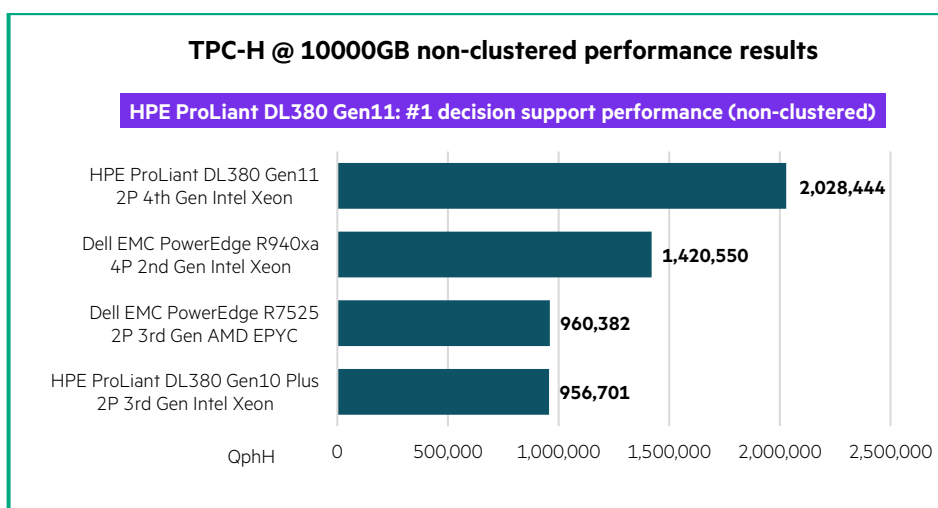


Figure 1. TPC-H @ 10,000GB non-clustered performance results

Customer value with HPE

Introducing HPE ProLiant Gen 11: Compute engineered for your hybrid world



Intuitive



Trusted



Optimized

HPE ProLiant Gen11 servers

HPE ProLiant completes your hybrid environment wherever it lives—datacenter, colo, edge—combining a cloud operating experience and built-in security, while driving next-gen performance with the engineering leadership to power insights, innovation, and competitive advantage to drive your business forward.

HPE ProLiant DL380 Gen11 Server—optimized for Enterprise workloads

The secure 2P 2U HPE ProLiant DL380 Gen11 delivers world-class performance with the right balance of expandability and scalability. Designed for supreme versatility and resiliency while being backed by a comprehensive warranty make it ideal for multiple environments from Containers to Cloud to Big Data.

Competitor configurations

Dell EMC PowerEdge R940xa,
4 Intel Xeon Platinum 8280,
available 9/2/2020, scored
1,420,550 QphH@10,000GB and
\$664.37 USD/kQphH@10,000GB.
See details at tpc.org/3368.

Dell EMC PowerEdge R7525,
2 AMD EPYC 73F3, available
12/21/2021, scored 960,382
QphH@10,000GB and \$394.79
USD/kQphH@10,000GB.
See details at tpc.org/3381.

On the TPC-H non-clustered
benchmark 10000GB scale factor
there are no competitor results as of
the date of publication with two Intel
Xeon processors.

About the TPC-H benchmark

The TPC-H is a decision support
benchmark consisting of a suite of
business-oriented ad-hoc queries
and concurrent data modifications
selected for broad relevance. This
benchmark models decision support
systems examining large volumes of
data and executing complex queries.

Trusted security by design: From silicon to software, from factory to cloud, and from generation to generation, HPE ProLiant is engineered with a fundamental security approach to defend against increasingly complex threats through an uncompromising focus to constant security advancements that's built into our DNA. Protect your infrastructure, workloads, and data from threats to hardware, and risks from third-party software, with a trusted edge-to-cloud security posture built on an HPE compute core hardened through a proven zero-trust approach to security.

Intuitive cloud operating experience with HPE GreenLake for Compute Ops Management:

Simplify the way you control compute from edge to cloud. Transform business operations and pivot your team from reactive to proactive with global visibility and insight through a unified console. Automate tasks for efficiency in deployment, instant scalability, and seamless, simplified support and lifecycle management.

Optimized performance for your workloads: Get the performance you demand to accelerate any workload—from the data center to the edge—with HPE ProLiant compute that's engineered for your hybrid environment. Deploy seamlessly while achieving optimal performance for demanding applications requiring the most advanced graphics and data acceleration

HPE GreenLake for Compute: Future-proof your compute landscape with HPE GreenLake edge-to-cloud platform that brings the cloud to you, to your apps and data where they are so you can accelerate time to value, boost operational excellence, free up capital and free up your talent for what's next.

Bottom line

These benchmark performance records are proof points for the leadership capability of the new HPE ProLiant DL380 Gen11 server. HPE continues to be on the cutting edge by designing products that stand the test of time with innovations that are ahead of their time.

Learn more at

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