

## HPE ProLiant DL385 Gen11 takes #1 performance result for TPC-H non-clustered 3000GB benchmark

**4<sup>th</sup> Gen AMD EPYC™ processors help to reach 4 #1 records on decision-support workloads**



### Key takeaways

HPE ProLiant DL385 Gen11 results for two-socket servers @ 3000GB:

- Overall best performance
- Best performance on Microsoft SQL Server 2022
- Best performance on Microsoft Windows Server 2022
- First TPC-H non-clustered with over 2M QphH

### Configuration

HPE ProLiant DL385 Gen11 servers:

2 sockets/128 cores/256 threads; AMD EPYC™ 9554 64C processors @ 3.1 GHz; 3000GB memory (24 x 128 GB DDR5 DIMMs); Microsoft Windows Server 2022; Microsoft SQL Server 2022

Availability date: 04/23/2023

### Score

2,405,162.5 QphH @ 3000GB and \$490.02 USD per kQphH @ 3000GB

[www.tpc.org/3385](http://www.tpc.org/3385)

All results valid as of November 10, 2022.

### 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.

### Executive summary

The new HPE ProLiant DL385 Gen11 took four world records on the 3000GB TPC Benchmark™ H (TPC-H) benchmark. With 4<sup>th</sup> Gen AMD EPYC processors, the HPE ProLiant DL385 Gen11 scored 2,405,162.5 QphH @ 3000GB and \$490.02 USD per kQphH @ 3000GB. In addition, HPE is the first to achieve over 2M QphH non-clustered benchmark across all scale factors.

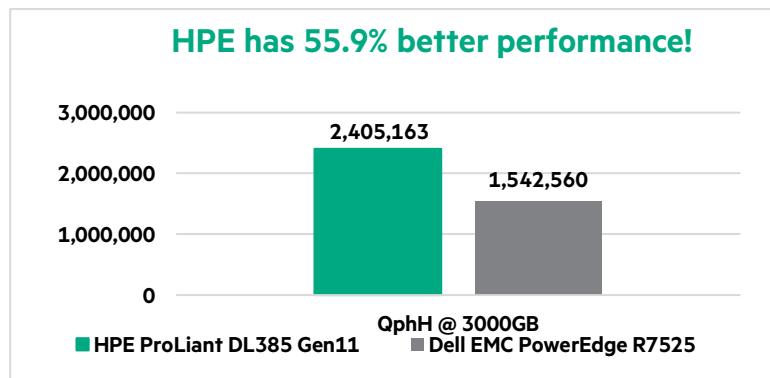


Figure 1. The HPE ProLiant DL385 Gen11 defeated the Dell EMC PowerEdge by 55.9% better performance on the TPC-H benchmark @ 3000GB scale factor.

### Customer value with HPE

**Introducing HPE ProLiant Gen 11:**  
*Compute engineered for customers' hybrid world*

Intuitive      Trusted      Optimized

### ProLiant Gen11 servers

HPE ProLiant Gen11 servers include 4th Gen AMD EPYC processors, DDR5 memory, M.2 high availability boot device; PCIe Gen5 high-speed I/O, and Integrated Lights Out (iLO) 6 embedded management.

**HPE Security.** HPE enhanced its leading cloud platform with an innovative compute foundation that can unify and modernize data everywhere, from the edge to the cloud. At the silicon level,

## Benchmark and performance guide

### Competitor configuration

Dell EMC PowerEdge R7525 server  
2 sockets/64 cores/128 threads; AMD  
EPYC Milan 75F3 processors  
2.95 GHz; 2 TB (16 x 128 GB DDR4  
DIMMs); Red Hat 8.3 Enterprise Linux;  
Microsoft SQL Server 2022  
Availability date: 07/05/21

### Score

1,542,560 QpH @ 3000GB  
See <https://www.tpc.org/3380>

**Note:** The TPC states that comparisons of TPC-H results measured against different database sizes are misleading and discourages such comparisons. All TPC-H results are grouped by database size to emphasize that only results within each group are comparable. This benchmark belongs to the 3000GB group and should be compared only to other benchmarks in this group.

HPE security technological innovations continuously provide zero-trust architecture against more advanced persistent security threats. Through iLO 6 verification in Gen11, new security features include platform certificates iDevID by default with server-integrated TPM. In addition, HPE Server Security Optimized Service for HPE ProLiant has extended its supply chain security leadership to more than 150 countries.

### HPE GreenLake

HPE GreenLake for Compute Ops Management (COM) Standard tier license is integrated. HPE ProLiant Gen11 servers have the most innovative advances HPE has ever offered. HPE ProLiant completes the hybrid environment wherever it lives—spanning edge to cloud—with a cloud operating experience, built-in security, and optimized workload performance to drive business forward.

### HPE ProLiant DL385 Gen 11

The secure and flexible 2P 2U HPE ProLiant DL385 Gen11 server delivers advanced performance for big data applications like machine learning and deep learning.

### Bottom line

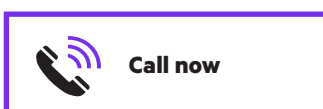
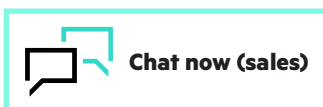
This benchmark performance record is a proof point for the leadership capability of the new HPE ProLiant Gen11 servers. HPE continues to be on the cutting edge by designing products that stand the test of time with innovations that are ahead of their time.

### Learn more at

[HPE ProLiant DL385 Gen11 Documents](#)

[HPE server performance briefs](#)

Make the right purchase decision.  
Contact our presales specialists.



Explore **HPE GreenLake**

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