

New HPE ProLiant DL385 Gen11 sets virtualization world record on VMmark 3.x benchmark

4th Gen AMD EPYC™ processors vital to 2-node 2P leadership score



Key takeaways

HPE ProLiant DL385 Gen11 results

- #1 virtualization score for 2-node 2P servers
- Highest core count for 2-node 2P servers
- 70% higher score and 83% more tiles than Dell EMC

Configuration

HPE ProLiant DL385 Gen11 servers

2 sockets/192 cores/384 threads; AMD EPYC™ 9654 processors 2.4-3.7 GHz; HPE Alletra 9060 storage; 6144 GB memory; VMware ESXi 8.0 GA, VMware vCenter 8.0 GA

Score

All results valid as of November 10, 2022.

The competitive benchmark claims are based on being the best 2P 2-node result on the VMmark 3.x benchmark, with a score of 40.19 @ 44 tiles.

About the VMmark benchmark

VMmark 3.1.1 generates a realistic measure of platform performance by incorporating a variety of platform-level workloads such as shared nothing migration, virtual machine migration, clone and deploy, and snapshotting. Source: [vmware.com/](https://www.vmware.com/resources/compatibility/details.php?product=esxi&os=esxi&arch=amd64). For more details, see [VMmark disclosures](#).

Executive summary

The new [HPE ProLiant DL385 Gen11](#), with 4th Gen AMD EPYC processors, hit a virtualization performance homerun with the overall highest core count for 2-node 2P servers. With a score of 40.19 @ 44 tiles with 384 total cores, the HPE ProLiant DL385 Gen11 secured its place in world record claims while defeating the Dell EMC PowerEdge R7525.

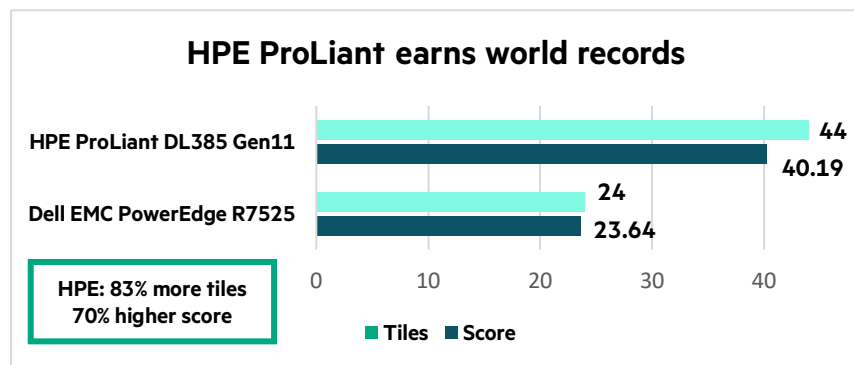


Figure1. Excellent HPE results. The HPE ProLiant DL385 Gen11 significantly defeated Dell EMC PowerEdge R7525 in both score and tile categories.

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, 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.

Competitor configuration

Dell EMC PowerEdge R7525 server

2 sockets/128 cores/256 threads;
AMD EPYC 7773X processors
2.2-3.5 GHz; FC SAN storage;
2048 GB memory; VMware ESXi 7.0
U2a, VMware vCenter 7.0 U1c

Score

23.64 @ 24 tiles

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.

HPE Alletra

The new HPE Alletra 9060 hybrid storage array delivers simple, reliable, cost-efficient hybrid storage for general-purpose workloads. Key benefits include the ability to go faster with the cloud experience; optimize price-performance for general-purpose workloads; and get the HCI experience without limitations. With a portfolio of best-in-class solutions for online storage, backup, and archival storage, HPE data and storage solutions provide complete edge-to-cloud solutions to handle data across its lifecycle.

Bottom line

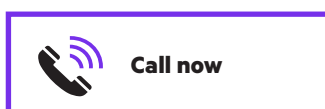
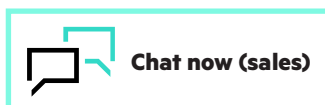
This benchmark performance record is a proof point for the leadership capability of the new HPE ProLiant Gen11 servers. HPE continues to be on the cutting edge by designing products that stand the test of time with innovations that are ahead of their time.

Learn more at

[HPE ProLiant DL385 Gen11 Documents](#)

[HPE server performance briefs](#)

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Contact our presales specialists.



Explore **HPE GreenLake**

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