

NEW HPE PROLIANT DL385 GEN10 PLUS V2 IS THE BEST AMD-BASED SERVER FOR VIRTUALIZATION!

VMmark 3.1.1 records achieved with 3rd Gen AMD EPYC™ processors



Key takeaways

- #1 AMD result
- #1 4-node result
- #1 2P 4-node result
- 39.45% more performance and 28.57% more tiles compared to 2P 4-node results with previous generation processors
- 12.53% more performance and 20% more tiles than previous 4-node record
- With only half the total CPUs, defeats Fujitsu PRIMERGY by 1.63% higher performance score

HPE ProLiant DL385 Gen10 Plus v2 configuration

HPE ProLiant 385 Gen10 Plus v2 with AMD EPYC 7763 2.45 GHz processors, 32 x 64 GB DDR4 RDIMMs at 3200 MT/s

- 4 nodes/2 sockets, 8 processors/512 cores/ 1024 threads
- Primary storage: HPE 3PAR 9450 – 4 nodes, 64 x HPE 3PAR 9000 920 GB SAS SFF SSDs, 27 LUNs (RAID 6)

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/

VMmark disclosures are available at vmware.com/products/vmmark/results3x.html. The competitive benchmark claims are based on being the best 4-node, 2P 4-node, and AMD result on the VMmark 3.1.1 benchmark, with a score of 33.58 @ 36 tiles. Results published as of March 15, 2021.

EXECUTIVE SUMMARY

The HPE ProLiant DL385 Gen10 Plus v2 server delivered the #1 4-node, #1 2P 4-node, and #1 AMD result on the VMmark 3.1.1 benchmark. The server scored 33.58 @ 36 tiles with two AMD EPYC™ 7763 processors per node, and was configured HPE 3PAR StoreServ 9450. The server's #1 4-node result achieved a gain of 12.53% in performance and 20% in number of tiles over the previous record, and defeated a 2nd Generation Intel® Xeon® Scalable Processor-based competitor that used twice as many processors by 1.63% in performance. The server also defeated the prior 2P 4-node record by 39.45%.

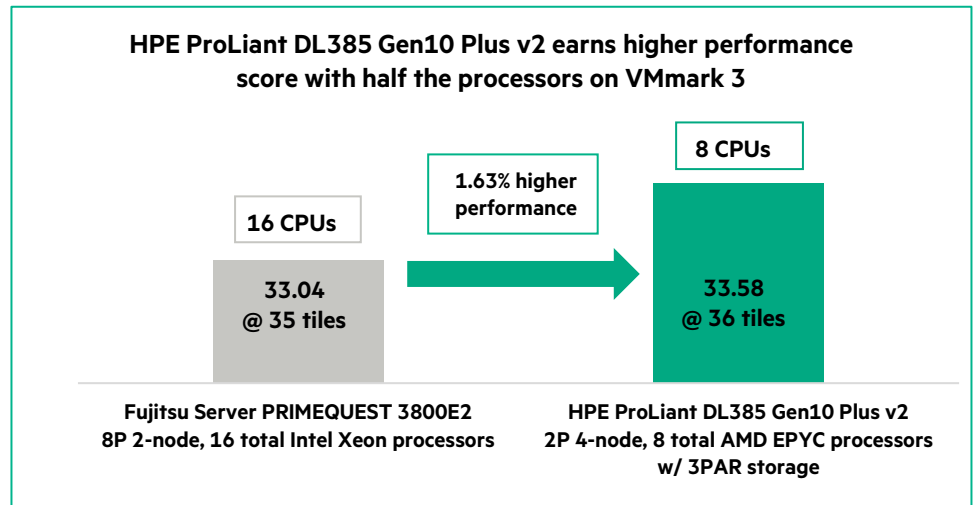


FIGURE 1. HPE ProLiant DL385 Gen10 Plus v2 8P and competitor 16P results on the VMmark 3.1.1 benchmark

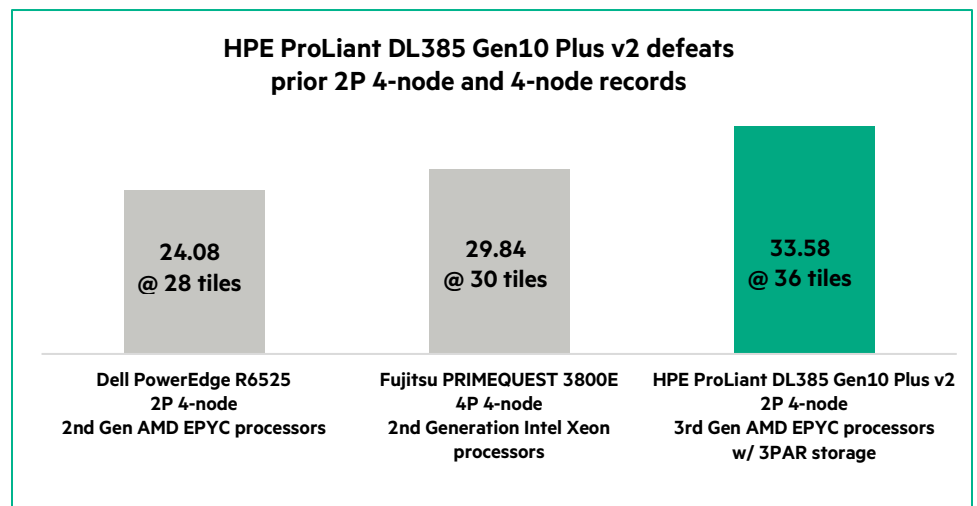


FIGURE 2. HPE ProLiant DL385 Gen10 Plus v2 versus prior top 2P 4-node and 4-node results

CUSTOMER VALUE WITH HPE

HPE ProLiant DL385 Gen10 Plus v2: Accelerator-optimized solution for big data

analytics. The secure and flexible 2P 2U HPE ProLiant DL385 Gen10 Plus v2 Server delivers advanced performance for big data applications like machine learning and deep learning. The server takes full advantage of the available compute to remove bottlenecks in memory and I/O, providing the right amount of compute to get the job done efficiently with up to 64 cores/CPU and 32 DIMMs. As a plus, your teams will be at ease with HPE silicon root of trust and AMD Secure Processor.

HPE 3PAR StoreServ 9450. HPE 3PAR StoreServ 9000 Storage helps customers consolidate primary storage workloads for file and block onto an enterprise-class flash array without compromising performance, scalability, data services, or resiliency. HPE 3PAR StoreServ 9000 Storage is based on the proven HPE 3PAR architecture and is purpose-built for all-flash consolidation. HPE has customers covered whether applications are virtualized, containerized, or traditional.

BOTTOM LINE

The HPE ProLiant DL385 Gen10 Plus v2 benchmark results indicate that the platform is a front-runner for virtualization. HPE goes the extra mile to fast-forward customer success.

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