HPE is FIRST to publish results on new VMmark 3.0 benchmark

HPE ProLiant DL380 Gen9 Server continues its tradition of being a leader

Key takeaways

- **HPE ProLiant DL380 Gen9 is the first platform to deliver results on the VMmark 3.0 benchmark.**

- **This frontrunner result highlights once again the HPE heritage of engineering excellence.**

- **The result is a rock-solid proof point for HPE customers who wish to run virtualization platforms.**

Server configurations:
HPE ProLiant DL380
Intel Xeon E5-2699A v4 2.4 GHz processors, 512GB RAM; HPE Smart Array P440ar Controller

Virtualization software:
VMware ESXi 6.5.0 and VMware vCenter Server 6.5.

**Score: 5.88 @ 6 tiles
June 2017**

For more information:

HPE ProLiant DL380 Gen9:
hpe.com/servers/dl380
HPE Flexible Smart Array P440ar Controller:
hpe.com/Smart Array P440ar Controller
Other #1 HPE server performance benchmarks:
hpe.com/servers/benchmarks
HPE and VMware partnership:
hpe.com/us/en/partners/vmware

1
https://blogs.vmware.com/performance/2017/06/introducing-vmmark3.html
2 Read the article at crn.com/slide-shows/data-center/300082998/crns-2016-products-of-the-year.htm/pgno/0/31

Executive summary

The best-selling server just got even better! The HPE ProLiant DL380 Gen9 is the first server in the world to publish results on the new virtualization benchmark, VMmark 3.0 with a score of 5.88 @ 6 tiles. The server was configured with two Intel® Xeon® E5-2699A v4 processors running VMware ESXi 6.5.0.

New VMmark 3.0 benchmark

VMware has introduced VMmark3, a highly flexible and easily deployed benchmark for vSphere environments. The cluster-level benchmark measures the performance, scalability, and power of virtualization platforms.

Workload simulations

VMmark 3.0 simulates application workloads and infrastructure operations. The application workloads include DVDstore3, an online e-commerce test application; Weathervane, a highly scalable online auction application; and Standby, an application that mimics a heartbeat server.

Infrastructure operations include deployment, vMotion, Storage vMotion, XvMotion, and Automated Load Balancing.[1]

Customer benefits

With VMmark 3.0, customers have a robust and reliable benchmark that:

- captures the key performance characteristics of virtual platforms;
- is representative of real world environments running multiple workloads;
- is hardware-platform neutral; and
- provides a methodical way to measure scalability so that the same benchmark can be used across different vendor platforms.

Why customers choose the HPE ProLiant DL380 Gen9

The HPE ProLiant DL380 Gen9 is purpose-built for flexibility, efficiency, and manageability. In addition, the two-socket, 2U HPE ProLiant DL380 Gen9 was selected as **the overall product of the year for general-purpose servers.**[2]

Customer value advantages

Tomorrow's benchmark for multi-workload compute, the 2U, two-socket HPE ProLiant DL380 Gen9 is designed for the needs of any environment, from large enterprise to remote office/branch offices, offering enhanced reliability, serviceability, and continuous availability.

The HPE ProLiant DL380 Gen9 has a flexible redesigned chassis with many component choices including an HPE Universal Media Bay configuration with eight to 24 Small Form Factor (SFF) drives plus two SFF rear drives and 4 or 12 Large Form Factor (LFF) drives plus three rear LFF drives, six NVMe drives, and additional rear drive support for expandability and investment protection.

The server also offers power-saving features such as ENERGY STAR-rated systems, 96% efficient (Titanium) HPE Flexible Slot Power Supplies.

HPE Smart Array P440ar Controller

The HPE Flexible Smart Array P440ar Controller, 12 Gb/s SAS RAID controller that provides enterprise-class storage performance, increased internal scalability with an SAS Expander Card, and data protection for HPE ProLiant Gen9 rack servers. It features eight internal physical links and delivers increased server uptime by providing advanced storage functionality.