



SERVER INNOVATION FOR IT TRANSFORMATION.

Modernise your data center to handle any workload with the no-compromise scalability, intelligent automation and integrated security of the next generation of Dell EMC PowerEdge rack servers.

RACK UP PERFORMANCE FOR ANY WORKLOAD

Highly scalable architectures maximise performance across the widest range of applications.



DATABASES

Up to **98%** less DB latency¹



DATA ANALYTICS

Up to **20.8x** faster queries²



ONLINE TRANSACTIONS

Up to **38%** more SQL performance with NVDIMM³



VDI APPLICATIONS

Up to **50%** more VDI users per server⁴



COMPLETE LIFECYCLE AUTOMATION

Automate server management from deployment to retirement so you can spend more time on strategic priorities.



INTEGRATED SECURITY. UNPARALLELED PROTECTION.

Security built directly into hardware and firmware from the start.

In-chip authentication and trust engine prevent data corruption.

Secure boot, system erase and lock-down guards against malicious or unintended changes.

FOCUS ON INNOVATION. DELIVER REAL RESULTS.

Modernise your IT infrastructure to get real results that matter to your business. Build a foundation for IT Transformation and business innovation with the latest Dell EMC PowerEdge server portfolio, powered by Intel® Xeon® Platinum processors.

[Learn More About Dell EMC PowerEdge Portfolio](#)



¹ Principled Technologies (PT) report commissioned by Dell EMC, "Faster, more powerful handling of database workloads," June 2017, using the DVDStore2 benchmark comparing R720 servers with HDD-based EqualLogic shared storage versus R740xd servers with Internal NVMe and SAS SSD disks in a 2-node vSAN cluster. Actual performance will vary based on configuration, usage and manufacturing variability. Full Report: facts.pt/7PjXq2

² R740xd server configured with NVMe SSDs running Microsoft SQL Server in a Microsoft Hyper-V environment completed the same TPC-H-like workload performance 20.8 times faster than a 12th generation PowerEdge R720xd configured with HDD storage. Principled Technologies (PT) commissioned by Dell EMC, "Consolidate Your Data Analytics Servers with Dell EMC PowerEdge R740xd," October 2017. Full Report: <http://facts.pt/rszSR7>

³ Based on a Principled Technologies Report commissioned by Dell EMC, "Serve more users with non-volatile memory module-based storage," November 2017, comparing online transactions processed per minute running Microsoft SQL Server on Dell PowerEdge R740xd servers with SATA SSDs in conjunction with NVDIMMs in DirectAccess Mode vs. the same server with only SATA SSDs. Actual performance will vary based on configuration, usage and manufacturing variability. Full Report: <http://facts.pt/8JbTPm>

⁴ Dell EMC Engineering has tested and approved a maximum of 3 NVIDIA® GPUs in the 14G R740xd server compared to 2 GPUs in 13G R730 server. The NVIDIA Tesla® M10 GPU Accelerator supports up to 64 Users per GPU board. For more information: <http://images.nvidia.com/content/tesla/pdf/188359-Tesla-M10-DS-NV-Aug19-A4-fnl-Web.pdf>.

⁵ Principled Technologies (PT) commissioned by Dell EMC, "Save server management time and effort for IT staff," June 2017, where PT analysed the steps and time required to view hardware inventory, firmware versions, and network settings comparing 14G Quick Sync 2 to using a crash cart. Full Report: facts.pt/YaZXCm

⁶ Principled Technologies (PT) commissioned by Dell EMC, "Save server management time and effort for IT staff," June 2017, where PT analysed the steps and time required to change IP address and network settings, comparing 14G Quick Sync 2 to using the LCD panel. Full Report: <http://facts.pt/YaZXCm>

⁷ Principled Technologies (PT) commissioned by Dell EMC, "Save server management time and effort for IT staff," June 2017, where PT analysed the steps and time required to view server logs comparing 14G Quick Sync 2 to using the LCD panel. Full report: facts.pt/YaZXCm

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