Upgrade to Dell EMC PowerEdge R6515 servers and gain better OLTP and VDI performance

Additionally, PowerEdge R6515 servers with 3rd Gen AMD EPYC processors could lower licensing costs and also empower your business to explore Kubernetes with VMware Tanzu

In today's business environment, it may be time for a hardware refresh to better support virtual desktop infrastructure (VDI) users or to handle more ecommerce orders. We ran a mixed workload with VDI and online transaction processing (OLTP) applications on a four-node legacy Dell EMC™ PowerEdge™ R630 cluster and a four-node Dell EMC PowerEdge R6515 cluster powered by AMD EPYC™ 7543P processors. With the PowerEdge R6515 cluster, your business could see the following performance improvements—as well as potential savings when it comes to software licensing costs.

Enable more ecommerce transactions

with **32.1%** more orders per minute†

Improve VDI user experience

Storage Sensitive tasks: **34.8%** lower latency†

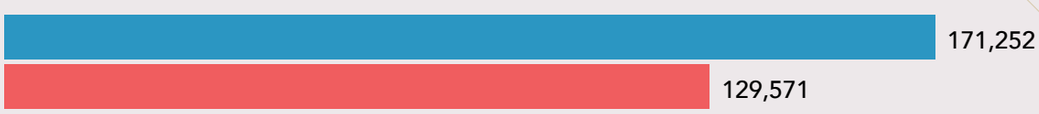
CPU Sensitive tasks: **10.5%** lower latency†

Reduce software licensing costs

by **22.3%** with single-socket, 32-core PowerEdge R6515 severs vs. dual-socket, 40-core servers*

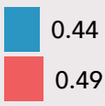
Total orders per minute

Higher is better



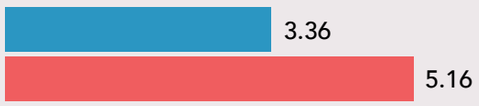
Operational latency while performing CPU Sensitive tasks

Seconds | Lower is better



Operational latency while performing Storage Sensitive tasks

Seconds | Lower is better



Dell EMC PowerEdge R6515 cluster Dell EMC PowerEdge R630 cluster

PLUS, the PowerEdge R6515 cluster ran an additional workload simultaneously

We used the PowerEdge R6515 cluster's available resources and VMware® vSphere® 7.0.2 features to run a containerized multi-tier web app on Kubernetes with VMware Tanzu. In our workload, the cluster supported 2,500 simulated users on the app with minimal impact on performance—all while it continued to outperform the legacy PowerEdge R630 cluster on the OLTP and VDI workloads.

Learn more at https://facts.pt/CF42nPk

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†vs. the Dell EMC PowerEdge R630 cluster while both ran the mixed OLTP and VDI workload
*for software we used in our testing; see the report for more information