

# DELL EMC VXRAIL™ HYPERCONVERGED INFRASTRUCTURE WITH AMD EPYC™ PROCESSORS: POWERFUL PERFORMANCE, VALUE, AND FLEXIBILITY



## The new Dell EMC VxRail™ E Series featuring AMD EPYC™ processors deliver game-changing powerful performance, value, and flexibility for hyperconverged infrastructure deployments.

Built for VMware®, with VMware, to enhance VMware, VxRail helps provide one of the fastest and simplest paths to transform operations and modernize data center infrastructure. VxRail is an excellent HCI platform for every VMware workload and use case, including database, compute dense applications and for hosting traditional and modern applications.

### POWERFUL PERFORMANCE

Built on the foundation of the PowerEdge® R6515 platform and featuring AMD EPYC processors, the Dell EMC VxRail E665, E665F, and E665N models provide customers with outstanding performance.

- AMD EPYC processors hold over 140 Performance World Records<sup>1</sup> across all workloads – from Enterprise to Software Defined Infrastructure, High Performance Computing, and Big Data Analytics.
- The new Dell EMC VxRail™ E665, E665F, and E665N hyperconverged systems take advantage of the powerful performance capabilities and high core counts of 2nd Gen AMD EPYC processors.
- VxRail AMD EPYC based models offer dual socket performance in a single socket model.<sup>2</sup>
- The new VxRail E665 and E665F with AMD EPYC processors provide up to 90% greater general purpose CPU capacity than other VxRail models when configured with single socket processors.<sup>3</sup>

### OUTSTANDING VALUE

The Dell VxRail E Series are designed to deliver cost effective solutions across a wide range of use cases. The E665, E665F, and E665N models feature single socket configurations that scale up to 64 cores, 1TB of 3200 MHz memory and ample PCIe® 4.0 lanes with all NVMe™ configurations. These solutions can enable infrastructure consolidation, allowing customers to reduce the number of servers needed, potentially lowering hardware, software, and ongoing power, cooling and maintenance costs.

### OPPORTUNITIES



**SUPPORT MORE VIRTUAL MACHINES ON THE SAME NUMBER OF SERVERS**



**CONSOLIDATE WORKLOADS AND SW LICENSES ON FEWER PHYSICAL SERVERS TO HELP CUT CAPEX**



**IMPROVE OPERATING COSTS – INCREASE PERFORMANCE/\$**



**AMD EPYC  
WORLD RECORD  
Performance Leadership<sup>1</sup>**



**HIGH PERFORMANCE**  
*The new VxRail E665 system offers high performance in a single-socket model; ideal for database, unstructured data, VDI and HPC workloads.*



**SCALABLE OFFERINGS**  
*to best meet your needs,  
Pre-configured and  
Pre-tested by Dell Technologies*

## Are you ready for the modern data center?

Contact your AMD sales representative or visit [AMD.com/epyc](https://AMD.com/epyc) to learn more about our ability to deliver more value for VMware users.

#### FOOTNOTES

1. For a complete list of world records see <http://amd.com/worldrecords>. ROM-169
2. Based on internal Dell Technologies testing (June 2020) comparing the most powerful single processor available for VxRail E665 with the most powerful dual processor configuration available in existing VxRail models. The single AMD processor provides just 4.76% less performance compared to the dual-socket configuration. Actual results will vary. AD# G20000221
3. Based on internal Dell Technologies testing (June 2020) comparing VxRail E665 and E665F (AMD 7742 with 64 cores @2.25GHz) to existing VxRail models (Intel 6258R with 28 cores @2.7GHz). Actual results will vary. AD# G20000200

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