

VxRail

Dell EMC VxRail HCI systems enable customers to expand the breadth of traditional and cloud native applications running across the core, edge and cloud.

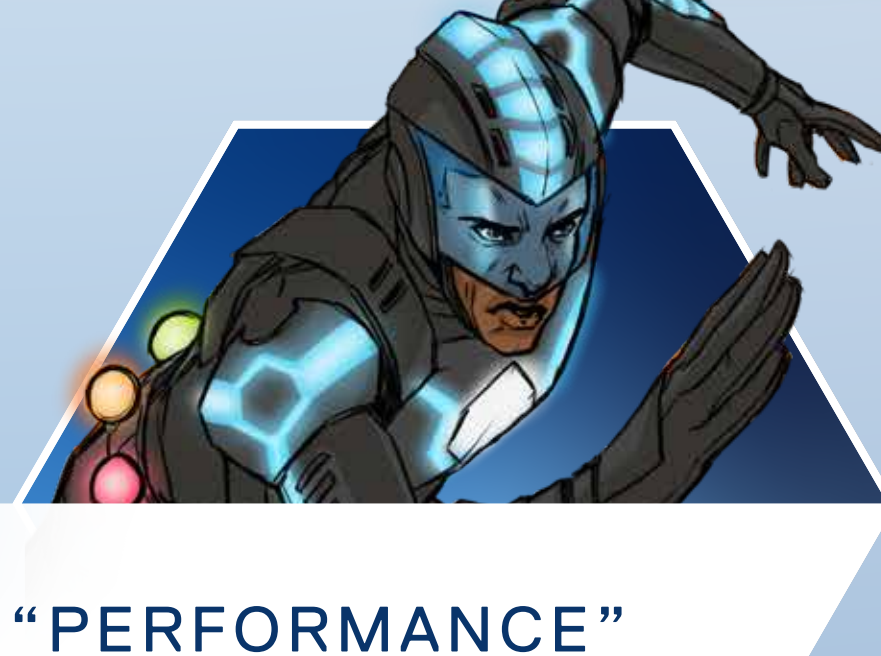
Built on the latest Dell PowerEdge Servers, VxRail's broad portfolio provides customers the flexibility to choose the best platform to meet their performance, storage, graphics, IO and cost requirements. No matter your workload, there's a VxRail platform to meet your needs.



"EVERYTHING"
E Series



"DURABLE"
D Series



"PERFORMANCE"
P Series



"STORAGE-DENSE"
S Series



"VDI-OPTIMIZED"
V Series



"GENERAL-PURPOSE"
G Series

VxRail



VxRAIL

E Series

THE "EVERYTHING" PLATFORM

FOR CORE TO EDGE DEPLOYMENTS

- Supports Intel Optane Persistent Memory
- 2nd Generation Intel Xeon Scalable processors or 2nd Generation AMD EPYC processors
- Optional NVIDIA T4 GPUs for deep learning, AI/ML, data inferencing and VDI workloads

FEATURES

Form Factor
1U

Processors
Single or dual socket*

Memory
Up to 3TB

Max Capacity
Up to 76.8 TB SSD or up to 61.44 TB all NVMe

IDEAL FOR

Remote or branch office locations where space is at a premium

USE CASES

High performance computing (HPC), VDI, AI/ML and in-memory databases

*Single or dual socket 2nd Generation Intel Xeon Scalable processors up to 28 cores/CPU OR single socket 2nd Generation AMD EPYC processors up to 64 cores/CPU

LOW PROFILE

COST EFFECTIVE

IDEAL FOR SMALL SPACES

VxRAIL

P Series

THE PERFORMANCE-INTENSIVE PLATFORM

FOR BUSINESS-CRITICAL WORKLOADS

- Supports Intel Optane Persistent Memory and Intel Optane NVMe cache drives
- Intel Xeon processors delivering 2x the memory per system
- One to four-socket platform options

FEATURES

Form Factor
Single system 2U

Processors
Single, dual, or quad up to 28 cores/CPU

Memory
Up to 6TB

Max Capacity
153.6 TB SSD or 153.6 TB all NVMe

IDEAL FOR

HPC, AI/ML, and in memory databases

USE CASES

In-memory intensive database applications including SAP HANA workloads, HPC and AI/ML



VxRAIL

V Series

THE VDI-OPTIMIZED PLATFORM

FOR SPECIALIZED USE CASES

- Support for up to six GPU cards for 2D or 3D virtual desktops in a 2U1N form factor
- Dual socket configurations with Intel Xeon processors
- 24 x 12Gb SAS drive slots for high availability and enhanced performance

FEATURES

Form Factor
2U

Processors
Dual socket up to 28 cores/CPU

Memory
Up to 3TB

Max Capacity
153.6 TB SSD or 48 TB HDD

IDEAL FOR

VDI, AI/ML

USE CASES

Specialized use cases such as high-end 2D/3D visualization leveraging NVIDIA Tesla, Quadro RTX 8000, and Quadro RTX 6000 GPU cards



VxRAIL

D Series

THE DURABLE, SHORT-DEPTH PLATFORM

FOR HARSH ENVIRONMENTS

- Reduced footprint, ruggedized HCI platform that is temperature resilient and easily portable
- MIL-STD-810G certified
- Designed to withstand shock, vibration, dust, humidity and EMI

FEATURES

Form Factor
1U

Processors
Single or dual socket up to 24 cores/CPU

Memory
Up to 1TB

Max Capacity
46.1 TB SSD or 14.4 TB HDD

IDEAL FOR

Space-constrained, remote locations with extreme conditions

USE CASES

Mobile command centers, retail POS systems, video surveillance, GPS mapping on the go, telco environments



OPERATIONAL SHOCK CERTIFIED TO 40G

20" RACK DEPTH

32% SMALLER FOOTPRINT*

OPERATES AT 15,000 FT OF ELEVATION

-15°C COLD START HEAT UP TO 55°C*

VxRAIL

S Series

THE STORAGE DENSE PLATFORM

FOR DEMANDING APPS

- Designed for dense storage workloads
- Available with hybrid storage options to deliver a maximum capacity of 96 TB per node
- Single or dual socket options with Intel Xeon processors

FEATURES

Form Factor
2U

Processors
Single or dual socket up to 28 cores/CPU

Memory
Up to 3TB

Max Capacity
96 TB HDD (hybrid only)

IDEAL FOR

Dense storage workloads whose storage capacity scales faster than CPU or memory

USE CASES

Sharepoint, applications such as Microsoft Exchange, big data, and analytics



VxRAIL

G Series

THE GENERAL PURPOSE PLATFORM

FOR BROAD HCI USE CASES

- Designed for general purpose workloads
- Available with Intel Xeon processors
- Supports Intel Optane SSDs, NVMe, and mixed-use cache drives

FEATURES

Form Factor
2U 4 nodes

Processors
Single or dual socket up to 224 cores

Memory
Up to 8TB

Max Capacity
153.6 TB SSD or 48 TB HDD

IDEAL FOR

Processor-dense use cases, general purpose workloads

USE CASES

Data centers that require maximum processing power in small spaces



SCALE HOW YOU NEED, WHEN YOU NEED IT

Minimize risk and pay as you grow

Start with What You Need

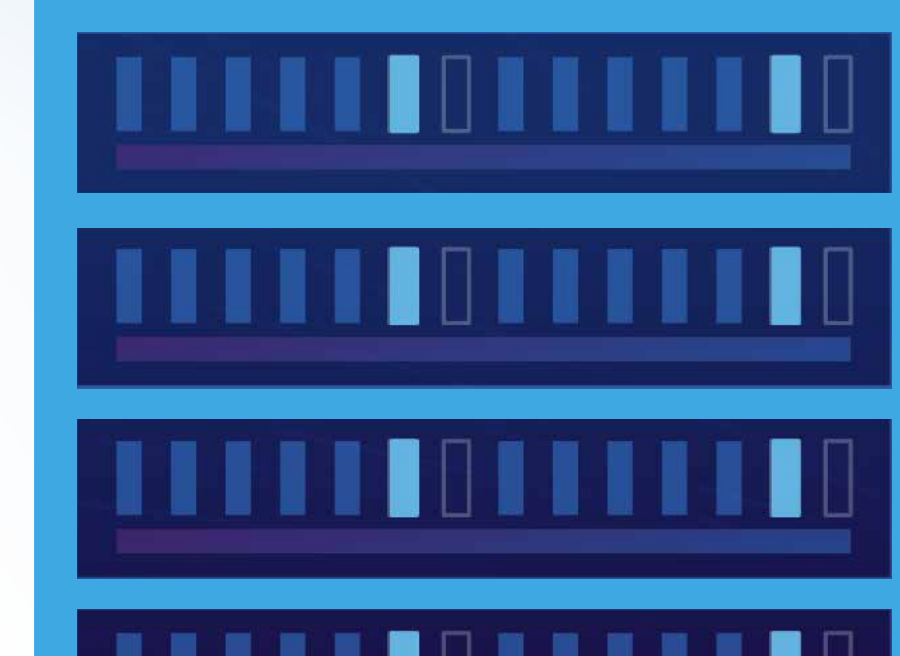
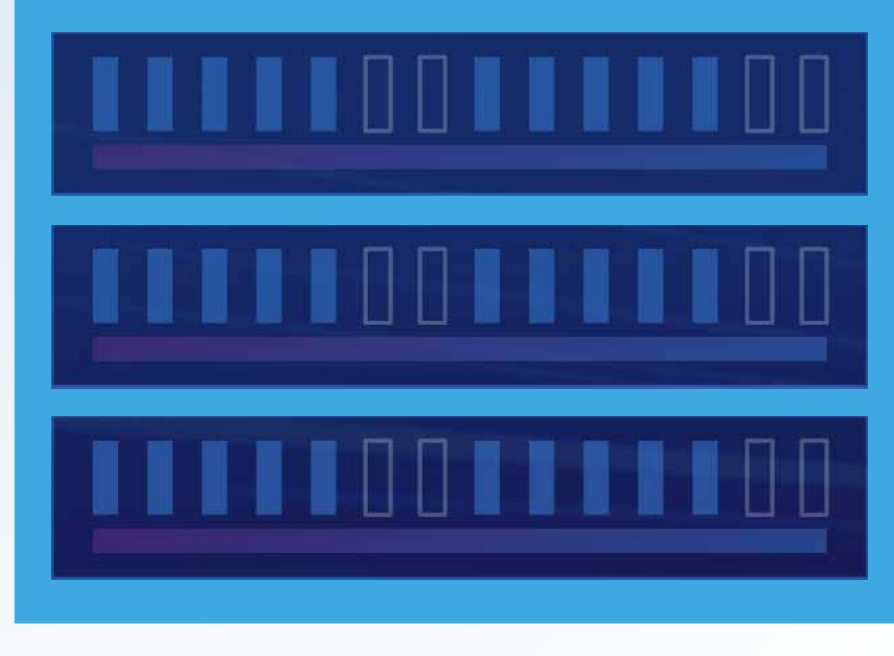
Minimize risk by closely matching your requirements

Scale Out

Non-disruptively add nodes to increase performance and capacity

Scale Up

Incrementally add storage as data grows



DellEMC.com/VxRail

* Certified for cold start down to -15°C and heat up to 45°C, with excursions up to 55°C for eight hours.

* Based on internal Dell Technologies testing (May 2020) comparing VxRail D560 to VxRail E560 dimensions.