

# VxRail

Modernize your IT operations  
with Dell EMC VxRail



## IS YOUR BUSINESS READY FOR WHAT'S NEXT?

In order to succeed in today's digital world, businesses like yours need to deploy and operate an IT environment that takes full advantage of the innovation taking place across the industry – without the complexity of piecing together and supporting a wide range of patchwork. One of the ways to do this is to introduce hyperconverged infrastructure (HCI) into the environment. Continue reading to find out what Dell EMC VxRail HCI systems can do for your business.



## WHAT IS VXRAIL?

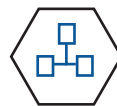
The VxRail turnkey experience starts with full stack integration of software and hardware control and visibility from top to bottom for a consistent, deeply integrated VMware environment.

Dell EMC VxRail delivers more highly differentiated features and benefits based on proprietary VxRail HCI System Software. This unique combination automates deployment, provides full stack lifecycle management and facilitates critical upstream and downstream integration points that create a truly seamless experience.

Dell EMC VxRail is powered by PowerEdge server platforms and is the only jointly engineered HCI solution with VMware, optimized for VMware vSAN, and designed to enable deep integration across the VMware ecosystem. This leaves you with a powerful curated solution that enables you to:



Free up IT resources with automated full stack end-to-end lifecycle management.



Start small and grow, scaling capacity and performance easily and non-disruptively.



Choose from multiple compute, memory, storage, network and graphics options to cover a wide variety of applications and workloads.



Accelerate data center modernization, deploy a hybrid cloud, or create a developer ready Kubernetes platform.





## MODERNIZE THE DATA CENTER

Gain greater control of your workloads by deploying modern hyperconverged infrastructure across on-premises data centers, edge, and co-locations.

### MORE BUSINESS AGILITY

**71%** Faster deployment of new storage.\*

### FASTER BUSINESS DEVELOPMENT

**114%** More new applications per year.\*

### HIGHER PERFORMANCE

**32%** Faster execution of business transactions.





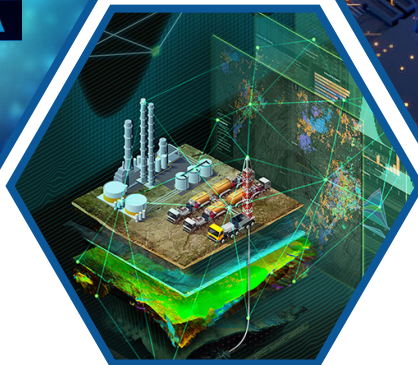
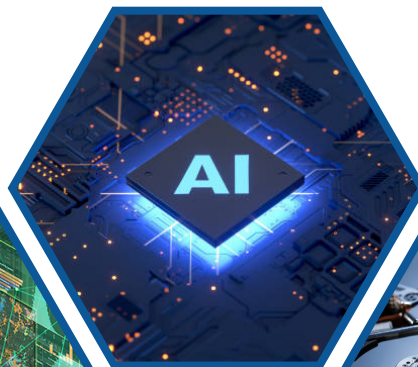
## THE EASIEST AND FASTEST WAY TO DRIVE BUSINESS CRITICAL SOLUTIONS

VxRail offers high performing solutions to drive business critical applications, such as:

In-memory intensive database applications like SAP HANA.



Artificial intelligence and machine learning.



Graphic intensive VDI and highend 2D/3D visualization, including SOLIDWORKS® and Adobe Creative Cloud®.



Storage-dense applications like video, big data and analytics.

## FULL POWER FOR WORKLOADS AT THE EDGE

No matter where you are, you get the full power of automation and orchestration with VxRail HCI System Software and a 24x7 single point of support.

Dell EMC VxRail D Series offers simplicity, agility, and lifecycle management in a ruggedized, compact form factor.

Temperature resilient, shock resistant, and fully mobile for tactical edge deployments where size, weight, and transportability are key.



The rugged form factor is built to withstand extreme conditions and harsh terrains, allowing for traditional and modern applications at the extreme edge.

## SIMPLIFY, STREAMLINE AND AUTOMATE HYBRID CLOUD OPERATIONS

VMware Cloud Foundation on VxRail delivers a simple and direct path to modern apps and the hybrid cloud. Deploy, host, and manage traditional and cloud-native workloads across core, edge, and cloud environments.



Enables flexible and simple modern cloud deployment with hybrid cloud



Consistent infrastructure in one complete, automated platform.



Integrated with VMware Cloud Foundation SDDC Manager



Automate Kubernetes infrastructure deployment with VMware Cloud Foundation and Tanzu.



47% reduced TCO compared to a similar public cloud solution.



## SUMMARY OF IDEAL SCENARIOS FOR VXRAIL

- ☐ Growth pains of existing traditional infrastructure
- ☐ Server and storage refreshes
- ☐ Budgetary challenges – need to reduce TCO
- ☐ Deploying new workload or project
- ☐ Resource constraints or limited staff of skilled specialists
- ☐ Hybrid/multi-cloud deployments
- ☐ Workload consolidation
- ☐ Performance challenges with legacy and virtual applications
- ☐ Need to influence innovation within organization





VxRail

## WHAT DO OTHER VXRAIL USERS SAY?

Read through our customer stories to see how VxRail faces and solves real-life challenges

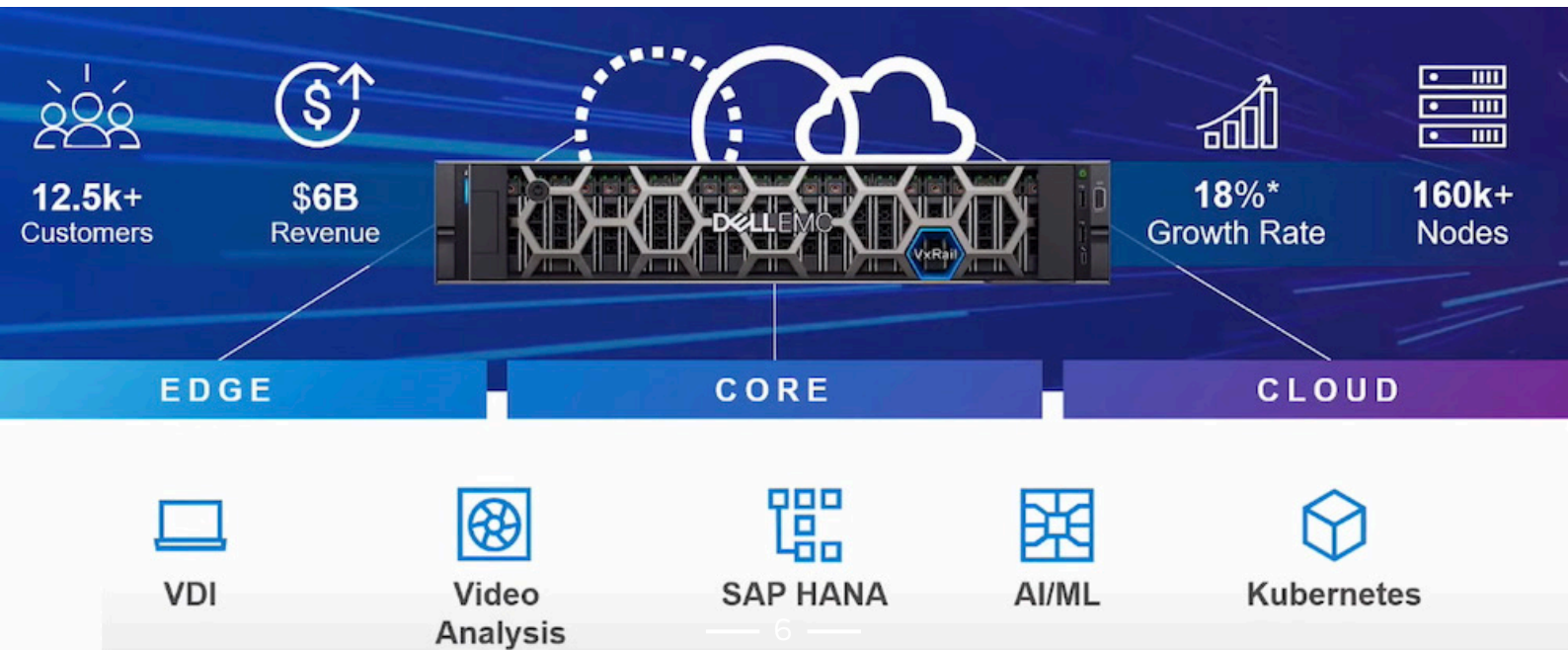
### AALTO UNIVERSITY

#### VDI allows research to continue despite campus closure during COVID-19

The biggest challenge that Aalto University in Helsinki, Finland faced during the COVID-19 lockdown in Europe was supporting the entire university's research needs remotely. They needed to provide specialist academic applications outside the traditional campus IT labs so students could access their software on any device at any time. The IT team investigated virtual desktop infrastructure (VDI) solutions from several providers, before eventually choosing one based on Dell EMC VxRail and VMware Horizon. With consistent support from a Dell EMC Resident Expert, who's on hand for two days a month to resolve any issues and look after both system maintenance and upgrades, the university is now virtualizing 400 applications for 1,000 concurrent users.

"We've proved that we can deliver research-critical applications to our students without dedicated IT labs and done so in a compliant and cost-effective way with our VxRail VDI."

Hannes Päivänsalo, Head of IT Operations at Aalto University





## WHY VXRAIL?

Accomplishments, endorsements and distinctions that demonstrate the Dell Technologies commitment to helping you innovate, grow and develop your business.

### Dell Technologies HCI is #1 in the market.

Dell Technologies has been #1 in HCI Systems for 16 consecutive quarters\*, proving that if you're looking to raise the bar for reliability, performance and operational simplicity in a cost-effective infrastructure solution, you need look no further than Dell EMC VxRail.



### Dell EMC VxRail is TechTarget's 2020 Storage Product of the Year.

In the hyper-converged and composable storage category, Dell EMC VxRail E Series with Intel Optane persistent memory was named the Gold Award winner by TechTarget's Storage Magazine and Search Storage.



**452%**  
five-year ROI\*\*\*



**10 months**  
to payback\*



**92%**  
less unplanned downtime\*



**51%**  
lower five-year cost of operations

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