


THE TOP 10 REASONS WHY CUSTOMERS CHOOSE VXRAIL

 **35%** of IT decision makers plan to invest in hyperconverged infrastructure solutions over the next two years.¹

Enterprise-class data services from VxRail hyper converged infrastructure (HCI) are your fastest and simplest path to high-performance computing. Featuring fully automated lifecycle management and both scaling capacity and performance, VxRail also supports a truly turnkey experience.

VxRail is a highly differentiated solution, now with expanded workload possibilities and increased usable capacity. It enables you to start small, grow, and maintain competitive business value. Discover the following 10 foundational elements of VxRail and some of the latest updates that bring its design principles to life and that keep VxRail at the forefront of innovation in HCI.

1. A TRULY TURNKEY EXPERIENCE

VxRail is a fully loaded HCI with full-stack integrity, providing the most seamless and automated VMware experience on the market. You start with full-stack integrity (i.e. top-to-bottom controls) for a consistent, deeply integrated experience within your VMware environment. Benefits include:

- RESTful APIs
- VMware HCI & Cloud Software
- Dell EMC Infrastructure & Solutions
- Full-stack Integration

VxRail features industry-leading PowerEdge servers at its foundation, purpose-built for integration with HCI and cloud software. With flexible licensing options—especially for vSphere and now vSAN—you decide the scope of your turnkey solution.

2. COMPLETE LIFECYCLE MANAGEMENT

All VxRail solutions are engineered, pretested, and validated for automated end-to-end lifecycle management, simplifying operations from day zero and beyond. VxRail is sustained as a single product—no more managing multiple tiers of infrastructure—and features single-click, non-disruptive upgrades, so you're always in a good known state.



VxRail provides a simple, cost effective hyper-converged solution that solves a wide range of your challenges and supports most applications and workloads.



Benefits include:

- Single-Click Upgrades
- Serviceability
- Greater Agility in Your IT Infrastructure and Your Business
- End-to-End Automated Lifecycle Management for Both Hardware and Software
- Seamlessly Transition from One Known Good State to the Next

What's more, VxRail includes back-end connectors for infrastructure components such as vSAN, PowerEdge servers, and networking. Easily manage, automate, and orchestrate your VxRail clusters and lifecycles in a centralized way.

3. EXPANDED WORKLOAD POSSIBILITIES

VxRail is the only fully integrated HCI appliance powered by VMware vSAN. It is the fastest and easiest way to extend your VMware environment—no matter your challenges, applications, and workloads. Its purpose-built platforms deliver the business-critical features you need to remain competitive. Benefits include:

- Enterprise Data Services
- Quality of Service (QoS)
- Improved Virtual Desktops
- Remote Office Infrastructure
- Optimized for Heavy Workloads

Dell EMC is launching a new AMD-based platform as well, featuring an all NVMe VxRail for even more demanding applications and workloads.

4. HIGH-PERFORMANCE COMPUTING

Featuring a range of platforms and configure-to-order hardware, VxRail is designed to address any high-performance computing (HPC) business use case, with

the flexibility to choose the VxRail appliance that best fits your needs. Its Dell PowerEdge servers expand the VxRail portfolio, with additional benefits:

- Dense Storage
- Improved Graphics Processing
- Three-Tier Approach for Pre-Sales, Sales, and Marketing
- Intelligently Planned Upgrades Based on Consumption

Multiple applications can be hosted on the same appliance or in the same cluster, so you don't need to worry about performance impacts. VxRail's single-node scaling and storage capacity expansion allow for a predictable, "pay-as-you-grow" approach as well, so you can easily scale as your business needs evolve.

5. ARTIFICIAL INTELLIGENCE & MACHINE LEARNING

VxRail offers centralized data collection and infrastructure machine learning (ML) to improve decision-making. Featuring new VxRail ACE analytics software, customers can use infrastructure ML from a cloud-based portal to optimize performance and improve system availability—currently available to all VxRail customers running SRS. Benefits include:

- Insightful Intelligence
- Proactive Health Monitoring
- Continuous Learning of Dell EMC Best Practices

VxRail ACE uses predictive analytics to provide insights into resource utilization, forecasting future consumption needs. In this way, your IT teams can proactively and efficiently scale to support any business requirements.

6. BROAD RANGE OF INNOVATIVE WORKLOADS

New and additional platform enhancements provide opportunities to unlock innovation and modernize your



data center. A broad range of workloads—including live broadcast streaming, video surveillance, and more—run seamlessly on Dell EMC VxRail clusters:

- SAP HANA
- Graphic Intensive VDI
- Cloud Native Applications
- Media Function Virtualization

7. AUTOMATED WORKLOAD DOMAIN DEPLOYMENTS FOR KUBERNETES

The VMware cloud foundation on VxRail lets you automate Kubernetes infrastructure, empowering IT to keep pace with the demands of cloud-native developers. VCF on VxRail, a hybrid-cloud platform, provides IT-as-a-Service for virtual machines and containers so enterprises can deploy container service with production-grade Kubernetes orchestration. Benefits include:

- Integrated, enterprise-ready Kubernetes Dell Technologies Cloud platform for both traditional and cloud-native apps
- Automated deployment of PKS platform with VCF on VxRail
- Deep integration across entire VMware-VxRail stack
- Consistent operations across Core-Edge-Cloud
- Support security, networking policies across org with NSX-T

You can quickly eliminate IT silos and DevOps sprawl as you host both cloud-native and traditional apps on a single enterprise HCI cloud platform. You can also develop with confidence because VMware PKS on VxRail provides full stack, intrinsic security, and cyber-resilient infrastructure—which streamlines operations and empowers developers.

8. PLATFORM ENHANCEMENTS FOR ADDITIONAL WORKLOAD ENABLEMENT

New enhancements provide even more highly differentiated features and benefits. VxRail synchronizes with VMware major releases and integrates with Dell EMC OS10 enterprise switches to simplify networking—one of the most challenging parts of HCI deployment and management. Benefits include:

- Operational Transparency
- Advanced Analytics
- SmartFabric Services
- Backed by Future Proof Program and Flex-On-Demand offers

This makes VxRail the only jointly engineered HCI system with VMware and the first automated network configuration on the market. All updates continue to deliver VxRail's differentiated advantages.

9. FREEDOM TO STREAMLINE OPERATIONS

VxRail Manager and vCenter provide unique operational transparency, simplifying management and boosting efficiencies for day-to-day operations. Dell EMC continues to expose and leverage more RESTful APIs and their benefits to build deeper integration and customizable programmability as well:

- Intelligent Environment Management
- Minimized Unexpected Outages
- Advanced Remote-Monitoring Telemetry
- Proactive Future Planning

Dell EMC works with you to ensure your VxRail environment aligns with best practices and delivers an exceptional experience throughout the lifetime of your investment.



10. TRANSFORMS THE DATA CENTER INTO A BUSINESS ENABLER

As the digital universe expands, data will become difficult or cost-prohibitive for most companies to leverage using conventional data center solutions. HCI with VxRail differentiates you from competitors, shortening time to business value via a secure, easy to manage, multi-cloud operational hub. Best of all, VxRail allows you to rapidly expand capabilities as you adopt new business initiatives:

- New mission-critical workloads
- Remote infrastructure management
- Isolated infrastructure for test / dev environments
- Enabling the hybrid cloud



TALK TO WEI TODAY

Talk to the infrastructure experts at WEI to understand how you can reap these benefits (and more) with DellEMC VxRail.

ACCELERATE BUSINESS VALUE WITH VXRAIL

VxRail is for more than just data center modernization. Its simplicity, scalability, and performance make VxRail a catalyst that accelerates IT transformation. As a strategic investment, companies will continue to leverage VxRail as a standard to extend and enhance their VMware environments for years to come.

Sources:
1IDG Research commissioned by WEI

ABOUT WEI



WEI is an innovative, full service, customer centric IT solutions provider.

Why WEI? Because we care. Because we go further.

At WEI, we're passionate about solving your technology problems and helping you drive your desired business outcomes. We believe in challenging the status quo and thinking differently. There are a lot of companies that can take today's technology and create a great IT solution for you. But we do more. We go further. And we have the customer, vendor and industry awards to prove it. WEI is a premier technology partner, who always puts our customers first while providing the most innovative solutions for over 30 years.



 info@wei.com
 www.wei.com

 43 Northwestern Drive | Salem, NH 03079
 800.296.7837