

TOP REASONS WHY CUSTOMERS CHOOSE VXRAIL

The standard in Hyper-converged infrastructure

1 | Only jointly engineered HCI with VMware

Dell EMC VxRail™ is the *only* fully integrated, preconfigured, and tested HCI appliance jointly engineered with VMware. Powered by VMware vSAN™ and vSphere, it is the easiest and fastest way to extend a VMware environment. VxRail provides a simple, cost effective hyper-converged solution that solves a wide range of your challenges and supports almost any use case, including tier-one applications and mixed workloads.

VxRail is proven to deliver up to a 30% TCO advantage over build you own HCI. Additionally, with integrated end-to-end support VxRail offers a 42% lower cost of serviceability. In short, VxRail enables you to do more with less and allows your IT staff to focus on more strategic projects instead of simply keeping the lights on.

Dell EMC VxRail invests in the complete lifecycle, including advanced automation, making it easier for you from day one and beyond, allowing you to further simplify IT infrastructure and operations. VxRail Appliances are refined and optimized, offering robust platforms that help you simplify the entire lifecycle – from deployment, to management, to scaling, to maintaining.

2 | Flexibility and choice

Dell EMC VxRail built on 14th generation PowerEdge servers feature purpose-built configurations designed to support even the most demanding, mission-critical workloads and applications. With support for millions of configurations, including graphics processing, dense storage and high performance computing options, VxRail offers you the flexibility to choose the configuration that is best for your need. With the latest Intel Xeon Scalable processors, VxRail is the most configurable HCI appliance.

3 | Scalability and performance

Based on VMware vSphere and vSAN software, and built with the latest Intel Xeon Scalable processors, the VxRail Appliance allows you to start small and grow, scaling capacity and performance easily and non-disruptively.

VxRail starts at three nodes for a low barrier to entry while delivering the same enterprise features and VMware management alignment. Non-disruptive scaling and storage capacity expansion provide a simple, predictable, “pay-as-you-grow” approach for future scale up and out as your business and user requirements evolve.

Batch node expansion accelerates growth and saves time. Additionally, REST APIs ease management at scale, offering flexible object renaming to comply with your data center policies, and giving you a way to upgrade vSphere, or move to an external vCenter.

VxRail on the latest PowerEdge servers delivers up to 2X more IOPS and half the response times that are sustained at sub-1ms (up to 80% IO utilization). It also offers greater all-flash and hybrid storage capacity, more GPU cards for increased graphics acceleration, and leverages higher endurance and redundant boot devices (BOSS).

TOP REASONS WHY CUSTOMERS CHOOSE VXRAIL

4 | Fully loaded with enterprise data services

All-flash VxRail Appliances include efficient and in-line deduplication, compression, and erasure coding. With these enterprise-class data services VxRail delivers high performance all-flash with increased usable capacity that lowers TCO and increases performance.

Enterprise class resiliency and availability is assured so that users can be certain of application uptime. Backups can be run locally at the remote office or over the WAN to core data centers for central management.

VxRail delivers vSAN encryption at the cluster level. VxRail supports 2-factor authentication (SecurID and CAC), allowing you to avoid limited options and high cost of self-encrypting drives. vSAN encryption is built for compliance requirements and offers simple key management with support for all KMIP compliant key managers.

5 | Backup and recovery included

Data protection capabilities are included with VxRail and significantly enhance VxRail's value. RecoverPoint for VMs provides simple, efficient, and proven disaster recovery for VMware vSphere, protecting virtual machines at a granular level and ensuring business continuity. VMware Data Protection (VDP) protects every application or VM on the VxRail Appliance. Deployed as a virtual appliance with up to 8TB capacity, VDP features familiar vCenter web client management. Available Data Protection Suite for VMware extends included data protection features with the industry's broadest capabilities including backup and recovery, continuous data protection, monitoring and analysis, and search capabilities. For applications that require continuous availability and zero downtime, VxRail offers stretched clusters with active/active operation.

6 | Familiar management experience

Designed to integrate into the VMware ecosystem and utilize the management and orchestration tools, VxRail seamlessly integrates into your existing VMware environment for a familiar management experience. Day-to-day virtualization management is done within the familiar vCenter Server interface. Additional IT and Cloud automation can be provided with optional software like VMware's vRealize Operations and vRealize Automation allowing you to seamlessly integrate VxRail as the foundation of your data center infrastructure.

7 | Single support model

With a single point of global 24x7 support for both the hardware and software, and backed by ESRS for dial-home secure remote connection for monitoring, diagnosis, and repair, VxRail provides the ultimate appliance support on the market.



[Learn more](#) about Dell EMC VxRail



[Contact](#) a Dell EMC Expert



[View more](#) resources



Join the conversation with #VxRail