

VMware Cloud Foundation on Dell EMC VxRail

CLOUD FOUNDATION ON VXRAIL DELIVERS THE SIMPLEST PATH TO HYBRID CLOUD WITH FULL STACK INTEGRATION THAT IS FUTURE-PROOF FOR NEXT GEN VMWARE CLOUD TECHNOLOGIES

Cloud Foundation on VxRail



FULL STACK INTEGRATION



DELIVERY FLEXIBILITY

ONE

AVAILABLE SINGLE-VENDOR SUPPORT



AUTOMATED END-TO-END LIFECYCLE MANAGEMENT



VXRAIL UNIQUE INTEGRATIONS

VMware Cloud Foundation on VxRail delivers the simplest path to a VMware Hybrid Cloud while allowing customers to maintain flexibility of networking and topology. Cloud Foundation on VxRail delivers the simplest path to hybrid cloud with full stack integration that is future-proof for next gen VMware cloud technologies.

Better together with full stack integration delivers one, complete, seamless user experience

Full stack integration with Cloud Foundation on VxRail means both HCI infrastructure layer and VMware cloud software stack lifecycle are managed as one, complete, automated, turnkey hybrid cloud experience greatly reducing risk and increasing IT operational efficiency.

- **Rapid deployment and configuration** of HCI infrastructure using native VxRail deployment process
- **Rapid SDDC deployment and configuration** that is VxRail “aware” - SDDC Manager orchestrates the deployment, configuration, and lifecycle management (LCM) of vCenter, NSX, and vRealize Suite above the ESXi and vSAN layers of VxRail.
- **Integrated provisioning of VxRail infrastructure pools** including VxRail VI workload domains
- **One-click, curated, end-to-end stack patching and upgrading** - The VxRail Manager and SDDC Manager components have been integrated to allow for an automated and seamlessly integrated update and upgrade process using native VxRail Manager APIs and is driven using SDDC Manager to orchestrate it all.

Simplest path to hybrid cloud with consistent infrastructure and consistent operations

Cloud Foundation on VxRail delivers a consistent infrastructure and consistent operations with edge, private and native public cloud workload deployment options for a true hybrid cloud solution, while allowing businesses to maintain flexibility of networking and topology. For more simplified cloud deployment, Cloud Builder for VxRail is a standardized automation tool exclusively engineered to integrate with VxRail for deploying and configuring according to VMware’s SDDC standardized architecture.

Businesses can take advantage of a consistent interface to manage their full stack and leverage native VMware management tools to perform both Cloud Foundation management as well as VxRail HCI infrastructure Management. This helps simplify and streamline operations even further.

- **Complete VxRail cluster management from vCenter HTML5 client** – covering dashboard, Physical and Logical views, eService, Marketplace, Lifecycle management, Network management, and Cluster management

- **Single dashboard view** – IT will have a single view of system health and support resources at a glance including upgrade availability, expansion status, and overall system health.
- **Additional integration with vRealize Suite** – vSAN management packs for vRealize Operations, vRealize Orchestrator, and vRealize Log Insight

Future-proof for next gen VMware cloud technologies

Based on VMware SDDC best practices, Cloud Foundation on VxRail ensures customers are future-proofed for next generation VMware cloud technologies that will be innovated around the same architectural design principles. VxRail gives businesses the opportunity to deploy infrastructure today that is ready when they are to move to the full cloud operating model.

Unique Integration found in no other VMware Cloud Foundation offer

VxRail HCI system software unique integration between SDDC Manager and VxRail Manager combines operational transparency with automation, support, and serviceability capabilities not found when deploying VMware Cloud Foundation on any other infrastructure. Cloud Foundation on VxRail includes end-to-end security built into every layer of the infrastructure, from micro-segmentation at the networking layer, to encryption at the storage layer, to integrity down into the hardware components.

VMware Cloud Foundation license options

Customers can purchase new licenses or bring their own VMware Cloud Foundation licenses. However, to experience the deepest integration between Cloud Foundation and VxRail, it must be installed and at the same time on-site by Dell EMC Services. Customers who want to build slowly towards a full Cloud Foundation stack through a stepwise approach or set the foundation for a future hybrid cloud strategy should begin with the VMware Cloud Foundation Basic license.

Choice of infrastructure delivery options

With VMware Cloud Foundation on VxRail, customers now have the choice of flexible infrastructure delivery and networking options by getting it delivered as an integrated rack system with integrated networking or a cluster of appliances that leverages the customer’s choice of network infrastructure. Customers have the option, through Dell EMC SmartFabric OS networking integration, to get the benefit of a fully automated deployment and lifecycle management of networking.

Dell Technologies Cloud

Dell Technologies Cloud is the operational hub for your hybrid cloud and includes components of the wider Dell Technologies Portfolio to more accurately meet your business needs, today and in the future. It provides the flexibility of deploying applications in the right cloud – whether in a private cloud that is fully under your control, a public cloud that provides the efficiency of a shared-resource infrastructure, or at the edge so that data can be processed and stored close to its creation. Choose the right approach to suit your business need and ensure the best experience possible with the only cloud platform on the market that is jointly engineered by Dell Technologies and VMware - based on VMware Cloud Foundation.



[Learn more](#) about Dell EMC VxRail



[Contact](#) a Dell EMC Expert



[View more](#) resources about Dell Technologies Cloud



[Join the conversation](#) with #VxRail