

# VMware Cloud Foundation on Dell EMC VxRail

CLOUD FOUNDATION ON VXRAIL, THE FOUNDATION FOR DELL TECHNOLOGIES CLOUD PLATFORM, DELIVERS THE SIMPLEST PATH TO HYBRID CLOUD WITH CONSISTENT OPERATIONS AND

## Cloud Foundation on VxRail



FULL STACK INTEGRATION



AUTOMATED KUBERNETES INFRASTRUCTURE DEPLOYMENT



CONSISTENT OPERATIONS AND INFRASTRUCTURE



AUTOMATED END-TO-END LIFECYCLE MANAGEMENT

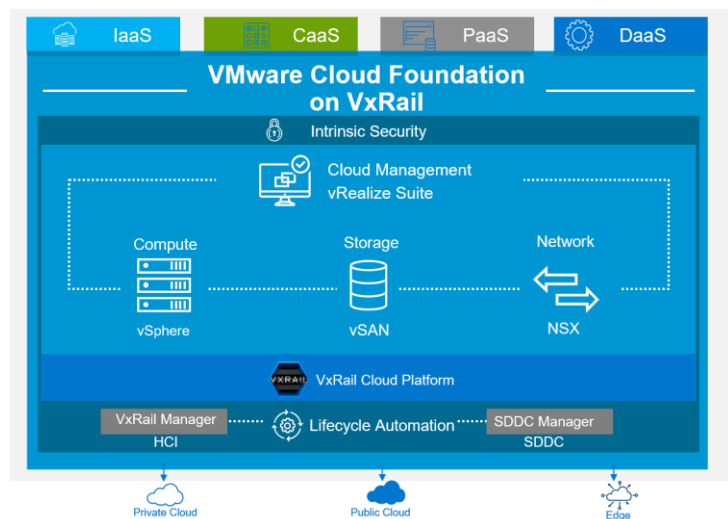


INTRINSIC SECURITY



DEPLOYMENT FLEXIBILITY

VMware Cloud Foundation on VxRail delivers an experience you won't find on any other infrastructure running VMware Cloud Foundation. VMware Cloud Foundation on VxRail builds upon native VxRail and Cloud Foundation capabilities with unique integration features jointly engineered between Dell EMC and VMware that simplify, streamline, and automate the operations of your entire SDDC from Day 0 through Day 2 operations.



## What's Unique?

**Integrated Stack:** 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 backed by NSX-V and NSX-T.

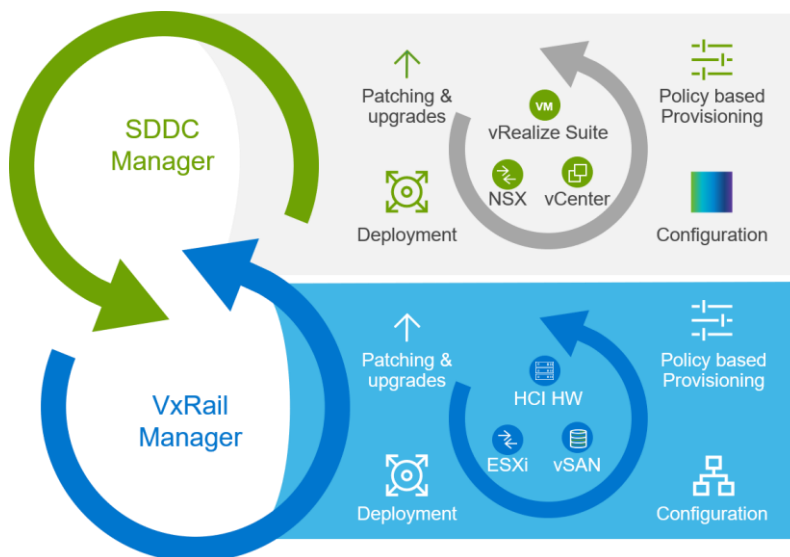
**Consistent Operations and Infrastructure:** VMware Cloud Foundation on Dell EMC VxRail, the foundation for Dell Technologies Cloud Platform, allows you to manage all cloud operations through a familiar set of tools, offering a consistent experience, with a single vendor support relationship and consistent SLAs across all your cloud workloads, public and private cloud, and edge deployments.

**Platform for any app, anywhere:** VMware Cloud Foundation on Dell EMC VxRail enables organizations to run traditional workloads alongside cloud native container-based applications, eliminating dev-ops silos and sprawl. VMware PKS on Cloud Foundation on VxRail is the optimal solution for customers looking for a transformational multi-cloud solution to develop, deploy, and host traditional and cloud-native apps on the same hyperconverged platform.

**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.

**Automated Lifecycle Management:** 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 orchestrated by SDDC Manager.

**Simple Path to the Hybrid Cloud:** The VMware Cloud Foundation on VxRail cloud infrastructure platform automates SDDC deployment and Kubernetes workload infrastructure deployment, eliminating manual steps for host configuration, creating logical relationships, managing hypervisors and creating a secure, virtual network.



### Use cases

- Cloud Infrastructure: Leverage the high performance, availability, and scalability of the VMware SDDC to run any mission-critical apps (i.e., database, web apps)
- Kubernetes workloads: Move at the speed of developers with automated Kubernetes workload infrastructure and resource allocation
- IT Automation: Automate infrastructure and application delivery with self-service capabilities to enable infrastructure as a service on premises
- Hybrid Cloud: Build a true hybrid cloud with common infrastructure and consistent operations, connecting your private and public clouds, that are compatible, stretched, and distributed
- Virtual Desktop Infrastructure: Simplify the planning and design of a VDI environment based on VMware Horizon®, making VDI deployments faster and more secure with the only cloud platform on the market that is jointly engineered by Dell Technologies and VMware - based on VMware Cloud Foundation.



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