

VMware Cloud on Dell EMC for Virtual Desktops and Applications

VMware Cloud on Dell EMC delivers robust infrastructure to support virtual desktops and remote workspaces

AT A GLANCE

- Deliver cloud-like experience for Horizon desktop/app platform on-premises
- Onboard and support remote workers quickly and easily
- High performance for workspace density and optimized user experience
- Unify virtual desktop environment management through a single, centralized entitlement layer
- Delivers enterprise-class security and compliance with organizational requirements

In today's modern work environment, desktop virtualization has skyrocketed to the top of the list of IT priorities for organizations of all sizes. Historically, organizations opted to deploy VDI infrastructure using a do-it-yourself approach. Unfortunately, this requires a lengthy design process and procuring an expensive and complicated infrastructure to support remote desktops. This traditional approach to configuring servers, storage, and networking components can be cumbersome and lead to a less than ideal architecture that impacts user experience as rollouts expand.

VMware Cloud™ on Dell EMC is a VMware supported, fully managed infrastructure-as-a-service offering that combines the simplicity and agility of the public cloud with the security and control of on-premises infrastructure. Delivered as-a-service to data center and edge locations, VMware Cloud on Dell EMC allows IT staff to offload infrastructure management tasks to VMware and focus on driving higher priority IT initiatives.

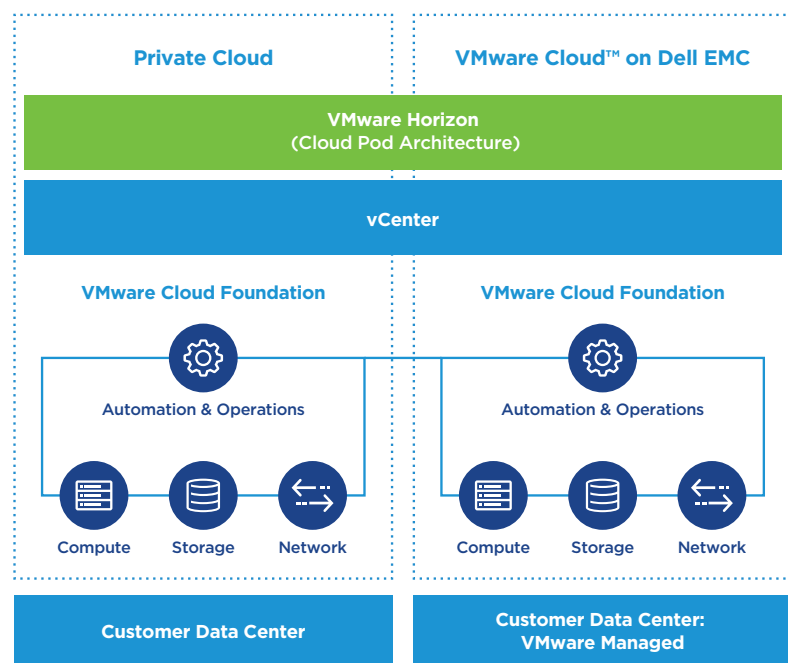


FIGURE 1. Hybrid Cloud Architecture

Cloud-scale agility for Horizon on-premises

VMware Cloud on Dell EMC simplifies the deployment of Horizon and enables organizations to leverage existing skillsets while providing the benefits of keeping VDI workloads on-premises. With HCX Bulk Workload Migration support, customers can seamlessly replicate virtual machines to new VMware Cloud on Dell EMC hosts. HCX Bulk Workload Migration eases the deployment of Horizon and helps to avoid complex application refactoring and configuration changes while taking advantage of the benefits of maintaining Horizon workloads onsite.

VMware Cloud on Dell EMC scales as needed, allowing organizations to start with targeted use cases with a small number of users, and can seamlessly expand to support enterprise-wide deployments. This flexibility comes without concern for future-proofing the architecture or massive capital expenditures.

Horizon Cloud Pod Architecture (CPA) enables seamless integration between VMware Cloud on Dell EMC and existing on-premises deployments, providing a unified virtual desktop environment managed through a single, centralized entitlement layer. The Horizon Cloud Management Console allows for monitoring of system health and help desk services with a unified management layer. At the same time, Horizon's CPA gives end users easy access to the nearest pod/site – whether VMware Cloud on Dell EMC, VMware Cloud on AWS, or another on-premises deployment.

Pay as you grow, scale as needed

With Horizon on VMware Cloud on Dell EMC, you can optimize infrastructure costs with a flexible, monthly subscription model to avoid upfront infrastructure expenses and paying only for what you use. With a broad set of available rack configurations and instance types, customers can leverage advanced sizing tools to configure an environment that fits current needs and can expand or extend capacity for scaled-up services rapidly.

Use cases

- **Scale on-premises VDI deployments:** Empower new employees and contractors to access mission-critical applications.
- **Infrastructure modernization:** Easily migrate desktops and applications to take advantage of cloud services and a subscription-based model.
- **Data center extension:** Extend desktop workloads between on-premises and VMware Cloud on Dell EMC to support additional capacity.
- **Co-location:** Place desktops and hosted app servers with workloads and data in the cloud to improve performance and security posture.
- **Centralize desktop management:** Leverage familiar tools and skillsets to manage virtual desktops across your entire infrastructure through a single pane of glass.
- **Rapid provisioning:** Support new users and applications quickly, including onboarding temporary and contract workers, mergers and acquisitions.
- **Simplified infrastructure management:** Streamline the management and rollout of operating system updates and delivery of business continuity solutions.
- **Security and compliance:** Centrally manage security while navigating the ever-changing and always complicated compliance environment.