

Dell EMC Data Protection for VMware Cloud on Dell EMC

Discover Dell EMC Data Protection options for VMware Cloud on Dell EMC Fully Managed Infrastructure services.

VMware Cloud™ on Dell EMC

Safe and Consistent

- Combine the simplicity and agility of public cloud with the security and control of an on-premises infrastructure
- Leverage same VMware technology that powers VMware Cloud on AWS with VMware Cloud Foundation at the core
- Utilize familiar UIs such as VMware vCenter and NSX Manager
- Provision and monitor resources across ecosystems with VMware's hybrid cloud control plane
- Provision and monitor resources across ecosystems with VMware hybrid cloud control plane

Ease-Of-Use

- Implement a cloud consumption model delivered as-a-service for data center and edge locations
- Switch from CapEx to OpEx model
- Deploy and implement latest VMware software offerings across your infrastructure
- Flexible deployment options for appliance-based and software-defined data protection
- Rely on Dell EMC and VMware experience building data centers for thousands of customers
- On-site delivery and deployment by Dell Technologies with maintenance and support provided by VMware

Agility, accelerated innovation, and simplified operations – it's no surprise that enterprise use of the public cloud has skyrocketed. Yet today, many organizations continue to make significant investments in their on-premises environments to support critical workloads with complex regulatory, security, and low-latency needs. Historically, the adoption of a multi-cloud strategy was the only way to capture the advantages of the public cloud. This complexity has led to a considerable number of organizational challenges, including increased overhead for IT operations and lowered business innovation.

VMware Cloud on Dell EMC brings the public cloud operation model to any data center, edge location, or leased co-location space. Powered by VMware Cloud Foundation, VMware Cloud on Dell EMC delivers a proven, unified VMware SDDC platform built on VxRail, Dell EMC's enterprise grade hyperconverged cloud platform. This powerful hardware and software combination yields an innovative and fully managed infrastructure service which is delivered, sold, and supported by Dell EMC and VMware as-a-service to data center and edge locations.

VMware Cloud on Dell EMC brings the simplicity and agility of the public cloud with the security and control of on-premises infrastructure to any data center, edge location, or leased co-location space. VMware Cloud integrates enterprise-class Dell hardware with industry-standard VMware compute, storage, and networking, empowering you to deploy any enterprise workload. You focus on innovation and differentiation while VMware operates the entire infrastructure end-to-end.

To ensure the VMware Cloud on Dell EMC fully-managed infrastructure service is completely protected, the service supports Dell EMC's line of data protection solutions safeguarding your business-critical data in the event of unfortunate circumstances.

Dell EMC Data Protection – Ensure Consistent Operations and Protect your VMware Investment

Dell EMC and VMware enable multi-cloud ecosystems and are committed to delivering tightly integrated products, giving our customers a far greater advantage to maximize and protect their IT investment now and into the future. As more organizations move production applications to the cloud, they often find that they must continue to run the same data protection workflows as they did when their

environments were on-premises. VMware Cloud on Dell EMC gives you that full cloud infrastructure as a service (IaaS) model, but the ability to physically run that IaaS wherever you want to meet your IT ecosystem's specific requirements. Dell EMC Data Protection offers industry-leading performance with flexible deployment models using hyperconverged backup appliances such as the PowerProtect x400, PowerProtect DD-series, Integrated Data Protection Appliance (IDPA) families, and Data Domain that provide users with automation across the entire VMware stack. Dell EMC also provides software-defined solutions, with Avamar, NetWorker, PowerProtect SW, and PowerProtect DD Virtual Edition (DDVE) software for companies that want to protect their data directly in the cloud. Organizations can focus on business innovation and differentiation by offloading routine maintenance tasks and directing their focus on value-adding initiatives. Dell EMC also allows customers to harness the power of the hybrid cloud, protecting the infrastructure seamlessly and in an integrated manner, ensuring operational consistency. Dell EMC and VMware work together to ensure that virtualized workloads are protected in the cloud as easily as they are on-premises.

Built on by VMware Cloud Foundation, VMware Cloud on Dell EMC uses the VxRail hyperconverged storage appliance as a cloud platform, creating a resilient architecture with enterprise-grade security built-in. With only one solution needed to protect your hybrid cloud workloads, you can simplify administration, lower total cost of ownership, and achieve operational consistency.

Cloudlike Simplicity, Everywhere

VMware Cloud on Dell EMC is an ideal solution for your IT infrastructure needs. Integration with any Dell EMC backup appliance adds VM replication and recovery to the cloud using Dell EMC Cloud Disaster Recovery.

VMware Cloud on Dell EMC also provides cloud-like simplicity for local datacenters and consistency between cloud and on-premises ecosystems. The VMware hybrid cloud control plane implements single-pane-of-glass visibility for all workloads, enabling IT admins to provision and monitor resources as they already do for their public cloud workloads. This single pane view also accelerates application because developers no longer need to build for multiple environments.

For remote office, branch offices, or edge locations, Dell EMC supports two types of deployment: software-only and appliance-based. Built-in source-side deduplication capabilities provide improved WAN efficiency, which you can leverage to replicate your data to a centralized location using DDVE in the cloud. With VMware Cloud on Dell EMC, your IT department can recover VMs for your remote offices from their centralized databases, minimizing downtime should disaster strike.

Trusted Data Protection Solutions From Dell EMC

For VMware Cloud on Dell EMC, the Dell EMC Data Protection portfolio allows for flexible and customized end-to-end data protection deployments for your virtualized and cloud environments. These innovative, field-proven hardware and software products and deployment options, include the recently announced Dell EMC DD-series PowerProtect appliances and Dell EMC IDPA DP4400 as well as Dell EMC Avamar, NetWorker, and PowerProtect data protection software technology, providing an agile, comprehensive solution set of data protection options for backup and recovery, replication, monitoring and analysis, and search capabilities.

This broad portfolio, backed by years of expertise and market leadership, provides customers with the numerous advantages. Dell EMC offers enterprise-grade protection with automatically deploy vProxies, image and guest level backup and recovery options, and intrinsic security for data at rest and in transit. Centralized management ensures consistent operations through company's IT infrastructures, providing oversight, monitoring, and unified management for on-premises datacenter and edge locations for self-service data protection. With Data Domain systems, companies can benefit from multiple site replication and superior deduplication for efficient and secure backup and recovery. By

incorporating these efficiencies into the IT ecosystem, companies can reduce network bandwidth use, cloud storage needed, and compute cycles needed for your workloads in the cloud.

VMware Cloud on Dell EMC provides the opportunity for customers to build and operate applications on a private cloud infrastructure. Dell EMC software solutions support the protection of the virtual machines that run within the private cloud:

- Crash consistent VM backups
- SLA compliance monitoring

As a result, customers can be assured that Dell EMC's data protection solutions provide the multi-product flexibility needed to easily build the data protection configuration that are essential to closely address the specific backup and recovery needs of an IT organization.

Why Dell EMC Data Protection for VMware Cloud on Dell EMC?

Dell EMC and VMware together can help you add value to your business in the cloud, protecting your VMware investments and eliminating the need to buy new hardware. You can confidently scale capacity up or down quickly, without change or friction, and modernize your applications with native services.

Additional Resources:

[Click Here to Read the Announcement Blog for VMware Cloud on Dell EMC](#)

[Click Here to Visit the VMware Cloud on Dell EMC Store Page](#)

[Click Here to Learn More about Dell EMC Data Protection for VMware](#)

Follow #VMWonDellEMC or @DellEMCProtect on Twitter