

# Data Protection for VMware Cloud on Dell EMC

*Discover Dell EMC Data Protection Options for VMware Cloud on Dell EMC Fully Managed Infrastructure Services*

## Trusted Data Protection Solutions from Dell EMC

Dell EMC data protection solutions for VMware Cloud on Dell EMC offer a broad portfolio of innovative, flexible and field-proven products that our customers have depended on for years to keep their corporate data safe and secure. This portfolio provides the following advantages:

### Enterprise-Grade Protection

- Built-in vProxies, supporting data protection for workloads of any size
- Fast, efficient, and secure image- and guest-level backup and recovery
- Application consistent backup of Microsoft SQL
- Data Domain integration with superior deduplication
- Intrinsic security, including data encryption at rest and in transit

### Centralized Management

- Centralized oversight with compliance and governance
- Consistent operations and infrastructure for on-premises data center and edge locations
- Comprehensive monitoring and unified management
- Use of native VMware interfaces for self-service data protection

### Data Center Efficiencies

- Reduction in network bandwidth use
- Minimized cloud storage capacity needed
- Lowered compute cycles in the cloud

## Power Up your Data Protection for VMware Cloud on Dell

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 the Dell EMC VxRail enterprise-grade hyperconverged cloud platform.

VMware Cloud on Dell EMC combines the simplicity, agility and billing model of the public cloud with the security, control and proximity of an on-premises infrastructure, delivered as-a-service to data center and edge locations. Industry-standard VMware compute, storage and networking software is integrated with enterprise-class Dell hardware, empowering you to drive any enterprise workload.

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.

## Ensure Consistent Operations and Protect Your VMware Investment

Dell EMC and VMware enable multi-cloud ecosystems and are committed to delivering jointly engineered products, giving you a far greater advantage to maximize and protect your IT investment now and into the future. Dell EMC data protection solutions offers industry-leading hyperconverged appliances and software-defined solutions that provide users with automation across the entire VMware stack.



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

VMware has partnered with Dell EMC to deliver best in class data protection solutions for VMware Cloud on Dell EMC. This customized hardware and software approach addresses each organization's specific data protection needs. The Dell EMC portfolio that enables this customized approach includes the following products:

## Dell EMC Data Protection Hardware Appliances

- Dell EMC PowerProtect DD Series Appliance
- Dell EMC Integrated Data Protection Appliance (IDPA)

## Dell EMC Data Protection Software

- Dell EMC Avamar
- Dell EMC NetWorker
- Dell EMC PowerProtect

The flexible offering of these data protection products from Dell EMC provides organizations with an agile and comprehensive solution set of options supporting virtualized and hybrid cloud environments.

## Dell Data Protection Application Examples for VMware Cloud on Dell EMC

VMware Cloud on Dell EMC provides organizations the ability to build and operate an application-rich, on-premises private cloud infrastructure. Deploying a dependable, intrinsic data protection solution in such an environment is a must. The following are some examples of how Dell data protection solutions can help protect such on-premises environments:

- Dell EMC PowerProtect Software provides the comprehensive protection of virtual machines that run within this private cloud environment, including protection for:
  - Crash consistent VM backups
  - SLA compliance monitoring
- For database protection in VMware Cloud on Dell EMC environments, use of PowerProtect hardware appliances or integration with existing Data Domain hardware appliances supports efficient, scalable Data Domain replication to the cloud and enables recovery using Dell EMC Cloud Disaster Recovery. The superior deduplication with Data Domain also allows for increased performance and faster backups.

Given the applicability of VMware Cloud on Dell EMC for delivering fully managed compute at the edge, the need for an agile disaster protection solution is equally critical for edge deployments. Remote or branch offices, retail stores, factories, healthcare facilities and other edge deployment scenarios all have their own unique data protection needs. The Dell EMC customizable hardware and software data protection solutions approach is ideal for edge deployments requiring solution flexibility and agility with little or no compromise to protection coverage. Here is how Dell data protection solutions provide protection and resiliency to edge deployments of VMware Cloud on Dell EMC:

- Dell EMC Data Domain replication capabilities afford increased WAN bandwidth efficiencies, ensuring smooth replication from remote to a central location using Data Domain Virtual Edition (DDVE) in the cloud.
- Protection of geographically dispersed edge sites for VMware Cloud on Dell EMC is extremely important, given the data impact possible if one of these sites succumbed to some type of IT-significant event. Dell Data Protection solutions can allow quick recovery of impacted VMs, minimizing downtime should such an event occur.

## Additional Resources:

- › [Click Here to Visit the VMware Cloud on Dell EMC Service Page](#)
- › [Click Here to Learn More about Dell EMC Data Protection for VMware](#)
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