Data Protection for VMware

Simply Powerful Data Protection — On Premises and in the Cloud

Data Protection for Today’s VMware Environments

Today, most workloads run on VMware virtual machines (VMs). Protecting these environments can get complicated as the amount of data, applications, and VMs continues to increase. The movement of both data centers and the data protection environment as users adopt cloud technologies further complicates matters as organizations deal with siloed data, as well as multiple solutions and vendors.

Together, Dell EMC and VMware offer solutions for customers with the deepest integration points to accelerate IT transformation and enable data protection for VMware environments that are easy, secure, and cost-effective.

Simplify, Automate, and Protect Your Organization with Dell EMC

Digital Transformation has changed the landscape of what data is to an organization. As a result, the essential functions of modern-day data protection products and their relationship to users must be addressed. And as more users adopt virtualization, Dell EMC’s deep integration with VMware’s user interface becomes more and more important. The Dell EMC portfolio of data protection products provides the best user experience for VMware users with automation and orchestration across the entire VMware stack.

Dell EMC provides exactly what IT and vAdmins are looking for—simply powerful data protection for VMware environments for organizations of all sizes.

Simple and Automated: Converged solution options, centralized management, and automation across the entire VMware data protection stack — policy management, virtual proxy deployment, and moving data to protection storage.

Comprehensive Coverage: Protection for the largest application ecosystem¹ — on premises and in the cloud.

Higher Performance: Simpler networking, faster performance, and industry-leading client-side deduplication.²

Easy Integration: Comprehensive integration with VMware enables data protection tasks with native VMware tools.

Lowest Cost to Protect: Less than half a penny per GB/month. Up to 80% less than the competition.³
VMware Data Protection for Larger Enterprises

VMware has been at the forefront of the modern data center and SDDC. More recently, VMware has expanded its offerings with virtualized storage, networking, and data center automation solutions (i.e. vSAN, NSX and vRealize Suite) that enable their customers to transition their data centers to the cloud. Similarly, Dell EMC Data Protection solutions, which are architected for the modern and SDDC, delivers scalability and faster performance, ensuring that your entire VMware environment is protected and can scale easily as the amount of data you need to protect inevitably continues to increase.

Dell EMC Data Protection solutions for enterprises leverage Dell EMC Data Domain systems, Dell EMC Data Domain Virtual Edition, and the Dell EMC Integrated Data Protection Appliances for protection storage paired with Data Protection Software that are designed to work efficiently with the SDDC. Dell EMC Data Protection solutions automate the data movement from proxies to protection storage. In fact, they provide automation across the entire data protection stack, including VM backup policy, deploying and configuring virtual data movers/proxies, and directing data from VMs to backup storage.

Dell EMC Integrated Data Protection Appliance (IDPA) DP4400

Dell EMC IDPA DP4400 is designed for mid-size organizations. It is a converged platform that combines compute, storage, and network together with backup and replication software to create a complete backup and recovery solution. The DP4400 is easy to deploy, can scale from 8TB to 96 TB with no additional hardware purchase, and is multi-cloud ready for long-term retention and cloud disaster recovery. It is optimized for VMware, protecting up to 5x more VMs in a single 2U appliance. Backups and recoveries are also faster — up to 2x faster backups, up to 7x more backup streams, and NVMe Flash for instant access and restores. Networking and capacity are also more efficient with leading deduplication and bandwidth utilization with an average deduplication rate of 55:1 and up to 98% less bandwidth.

VMware Data Protection in the Cloud

With multi-cloud environments expected to be the norm, organizations will have to face the complex task of pulling together a seamlessly integrated data protection strategy that will merge disparate cloud services and automate movement of data across their cloud ecosystems. Dell EMC Data Protection solutions support native backup tiering to public or private clouds for cost-effective storage of long term backup retention data, eliminating the need for physical tape infrastructure. For customers looking to extend their data protection to the cloud, we provide support for most cloud providers (AWS, Azure, Google, Alibaba, etc).

Dell EMC: The first data protection solution for VMware Cloud on AWS

Integration with on-premises data protection
Best-in-class deduplication
Automated operations
Low cost to protect
Disaster Recovery to VMware Cloud™

For customers looking to protect VMware Cloud™ on AWS, Dell EMC was the first data protection provider for VMware Cloud workloads on AWS, providing fast, efficient, and secure image and guest level backup and recovery. Compressed data is still copied to AWS S3 for minimal cost and footprint. If a disaster event occurs, VMs are spun off on demand either in your own VMware Cloud™ on AWS. You can simply transfer the VMs back to your on-premises VMware environment using vMotion for even simpler management and orchestration. Tight integration into VMware enables self-service protection within native VMware interfaces.

VMware Integrated Data Protection as a Service

VMware vCloud Director and Dell EMC Data Protection Software have greatly enhanced their integration, making it easier for service providers to jointly deliver VMware and Data Protection-as-a-Service. Our leading VMware integration extends data protection into the vCloud Director tenant UI. Dell EMC eliminates the need for a separate backup-as-a-service portal. Service providers and their customers benefit from Dell EMC Data Protection solutions which provide low operating costs and high scalability and performance.

1 Based on internal analysis, June 2018.
2 Average 55:1 deduplication. Based on Dell EMC internal analysis of customer data as of May 2018.
3 Dell EMC internal analysis using publicly available competitive pricing, May 2018. Lowest cost-to-protect is based on $ per logical GB. Actual cost will vary.
4 Based on Dell internal testing and comparing against Rubrik’s published performance data in 2U, February 2018.
5 ESG Lab Review commissioned by Dell EMC, February 2018, versus a competitive Vendor A.