DELLEMC   **vm**ware®

DELL EMC DATA PROTECTION FOR VMWARE CLOUD™ ON AWS

Dell EMC and VMware Deliver Enterprise Data Protection and Cloud Disaster Recovery for VMware Cloud™ on AWS Customers

Essentials

Integrated

- First data protection solution for VMware Cloud™ on AWS
- Available as a data protection bundle for VMware Cloud on AWS (Data Protection Software plus Data Domain Virtual Edition)
  Native integration into VMware management tool
- Seamless integration with on-premises data protection

Lowest cost to protect

- Lowers monthly in-cloud data protection costs by 68% when compared to other leading competitors
- Reduces EC2 and EBS costs by up to 88%

Highly efficient and scalable

- Reduces S3 object storage requirements for backup by up to 71%
- Protects up to 2000 clients and 1000 concurrent sessions with a single protection server
- Exceptional client-side deduplication of 6:1 as compared to competitors 1.75:1

Dell EMC and VMware

As more organizations move production applications to the cloud, they often find that, to support their normal business operations, they still must run the same data protection workflows as they did when their environments were on-premises. These data protection workflows commonly include application-aware backups with application-consistent restores that support other cloud initiatives such as disaster recovery, business continuance, test, and development. These types of recoveries may not be achievable to the consistency level required with the snapshot technology offered through the cloud provider.
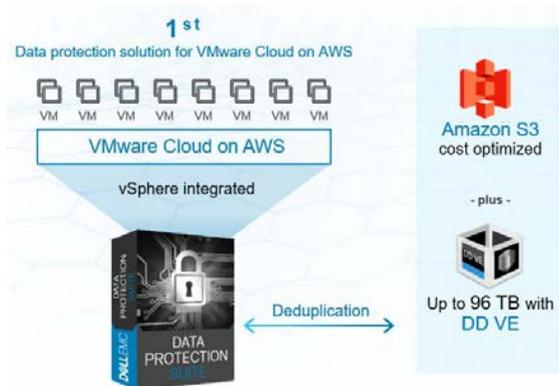
Dell EMC and VMware work better together to ensure that protecting virtualized workloads in the cloud is just as easy as protecting on premises ones. With Dell EMC's enterprise-grade data protection, you can leverage the same data protection solution for VMware Cloud on AWS workloads as that used for your on-premises workloads. Using one solution to protect hybrid cloud workloads simplifies administration and lowers the total cost of ownership.

Seamlessly Protect VMware Cloud™ on AWS Workloads

Dell EMC Data Protection Software is cloud-enabled and offers comprehensive data protection and superior performance for backup and recovery across your entire VMware Cloud™ on AWS environment. It provides the same world-class data protection whether your applications run on-premises or on VMware Cloud™ on AWS.

Dell EMC accomplishes this by providing direct backup from VMware Cloud™ on AWS instances to AWS S3 without the bottleneck of a media server. Through exceptional client-side deduplication of 6:1 (as compared to competitors' 1.75:1[1]) and compression, Dell EMC Data Protection Software boosts backup performance and throughput while reducing the consumption of object storage required by up to 71%.

In addition, customers can take advantage of up to 68% reduction in total monthly cost for in-cloud data protection infrastructure over its competition. Deploying Data Domain in the cloud is an option that enables customers to take advantage of the industry's most scalable, reliable, and cloud-enabled protection storage. Best yet, all data is encrypted when protecting to both AWS S3 and Data Domain.

[1] Based on "ESG Economic Value of In-cloud Data Protection with Dell EMC Data Protection Software" commissioned by Dell EMC, January 2018."

Why Dell EMC Data Protection

Dell EMC was the first provider to bring cloud-enabled, self-service data protection for VMware's enterprise class Software-Defined Data Center to the AWS Cloud. Whether expanding services on-premises or in the public cloud, Dell EMC provides the same world class data protection with superior compression and deduplication. Dell EMC delivers industry-leading data protection at the lowest cost to protect. Ordering is made simple. Dell EMC Data Protection for VMware Cloud on AWS is available as a single bundle and includes the data protection software and protection storage needed to protect your data and applications running on VMware Cloud™ on AWS.

Key Benefits of Dell EMC Data Protection for VMware Cloud™ on AWS:

- Proven enterprise data protection for the enterprise public cloud
- Seamless integration with on premises data protection
- Industry's best-in-class deduplication leads to lower consumption costs
- Protects vSphere workloads on AWS storage for increased resiliency:
- High efficiency and scalability
- Natively integrates into VMware management tools for the ultimate automation experience

Better Together: Dell EMC Data Protection and VMware Cloud™ on AWS

Dell EMC has partnered with VMware to deliver the **first data protection solution for VMware** Cloud™ on AWS. Dell EMC Data Protection Software provides fast, efficient and secure image and guest level backup and recovery for workloads running on VMware Cloud™ on AWS. With Dell EMC Data Protection Software, users will reduce the cost of network bandwidth, cloud storage capacity for protection and see lower compute cycles in the cloud. Customers will see additional cost reductions when taking advantage of low-cost, highly durable object storage as the protection target (vs.EBS block storage).

Dell EMC provides powerful data protection, unified management and hypervisor integration. The hypervisor integration allows backup and application administrators to take advantage of self-service data protection while using their native VMware interfaces.

Cloud Disaster Recovery

With Dell EMC Cloud Disaster Recovery (Cloud DR), customers are able to protect their on-premises workloads by copying data, securely and efficiently into AWS S3 for disaster recovery, and taking advantage of agility and cost effectiveness of cloud object storage. Dell EMC Cloud DR require a minimal footprint in AWS as well as minimal compute cycles, enabling a disaster recovery solution with minimal cost. In the event of a disaster, the workloads can be run directly in AWS, or recovered to VMware Cloud on AWS.

VM Recovery to VMware Cloud on AWS

- Cost effective: Protect to S3, run VMware Cloud on AWS on-demand for recovery
- True to source: Disaster Recovery site uses the same VMware stack
- Fast recovery: no conversion, providing fast RTO

Recover to VMware Cloud on AWS

With Dell EMC Cloud DR, customers can also recover VMs to VMware Cloud on AWS. Customers have the option to provision VMware Cloud on AWS's SDDC only on-demand, when recovery is needed – for cost efficiency. Once the VMware Cloud on AWS environment is available and the user has deployed and connected the Cloud DR add-on (CDRA), the user can recover from the S3 copies in 2–clicks, simply by selecting the desired VM copy and it will be recovered as a new VM running within the VMware Cloud on AWS environment. Recovery to VMs on VMware Cloud on AWS requires no data conversion, providing fast RTO (recovery of 150 GB VM takes less than 30 minutes to recover on average).