

Data Protection Done Right with Dell EMC and AWS

DELLEMC



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Introduction

If you're like most businesses, your data is continually growing in speed and scale, and is increasingly varied and complex. Inadequate data protection can have costly consequences. There is a growing need for *superior* data protection—data protection backed by trusted industry leaders, that supports both greater performance and scalability, and works within your budget. That's where Dell EMC Data Protection Suite and Amazon Web Services (AWS) come in.

Superior Performance

Dell EMC Data Protection Suite is cloud-enabled and offers comprehensive data protection and superior performance for backup and recovery across your entire AWS environment. In fact, it provides the same world class data protection whether on-premises or on AWS. Dell EMC accomplishes this by providing direct backup from Amazon Elastic Cloud Compute (EC2) instances to Amazon Simple Storage Services (S3) without the bottleneck of a media server. Through exceptional client-side deduplication of 6:1 (as compared to competitors 1.75:1) and compression, Dell EMC Data Protection Suite boosts performance and throughput while reducing the consumption of object storage required by up to 71 percent when doing a backup. Best yet, all data is sent encrypted to Amazon S3.



Highly Scalable and Efficient

As many companies know, scaling can get expensive as you try to meet the needs of your ever growing data. Fortunately, Dell EMC Data Protection Suite offers a single protection appliance instance that can support up to 6 petabytes of data in Amazon S3. Need more? Additional instances can easily be deployed to increase overall scale and flexibility. For additional efficiency, Dell EMC can protect up to 2,000 clients and 1,000 concurrent sessions with a single protection server.



Lower Total Costs

AWS provides customers with an exceptional cloud environment, but AWS customers are still responsible for their own data protection. Dell EMC knows that data protection architecture matters, and with Dell EMC Data Protection Suite customers can lower their monthly in-cloud data protection costs up to 68 percent when compared to other leading competitors. Additionally, AWS customers can also see up to 88 percent reduction in Amazon EC2 and Amazon Elastic Block Store (EBS) costs.

With the use of low-cost, highly durable object storage, customers don't need to worry about their data storage costs as compared to solutions using EBS block storage. Additionally, with Dell EMC Data Protection Suite, users will reduce the cost of network bandwidth, cloud storage capacity for protection and see lower compute cycles in the cloud.

AWS and Dell EMC: Data Protection Done Right

It's time to get serious about data protection, and with AWS and Dell EMC Data Protection Suite you get superior performance and scalability all at a lower cost. AWS and Dell EMC work together to provide you with the comprehensive data protection your business needs when moving your important workloads to the cloud. The Dell EMC Data Protection Suite easily and automatically adapts to the changing needs and requirements of your business, while keeping performance high and costs down.

LEARN MORE

To learn more about how Dell EMC Data Protection Suite and AWS can support the specific needs of your business, visit: <https://www.emc.com/en-us/index.htm>

Choinski, Vinny, "[Economic Value of In-cloud Data Protection with Dell EMC Data Protection Software.](#)"
The Enterprise Strategy Group, Jun. 2017