DELL Technologies

Solution Brief

Dell Cloud Disaster Recovery

Simple, Cost-Effective Disaster Recovery to the Cloud

Value of Dell Cloud Disaster Recovery

Cost-Effective DR

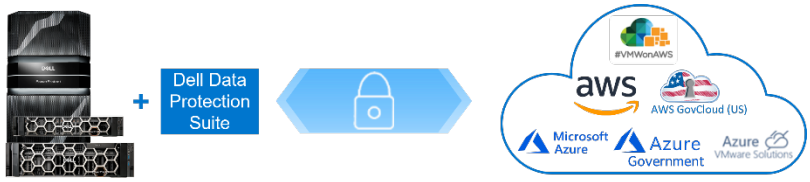
- Dell data protection reduces time to recover in the event of a disaster by up to 85%[1]
- Minimal cloud compute running 24/7 to reduce cost, only spinning up full DR resources when needed
- Direct protection from PowerProtect Data Domain on-prem to AWS, AWS GovCloud, Azure, and Azure Government Cloud
- Recover to native cloud instances or directly back to on-premises vCenter

Simplified, Fully Orchestrated DR

- Test DR then promote to failover
- Orchestrated failover of workloads to AWS, AWS GovCloud, Azure and Azure Government Cloud
- 3 click failover, 2 click failback

Deploying Disaster Recovery in the Cloud

Many organizations want to use the cloud to bolster their disaster recovery (DR) capabilities. Traditionally, DR has posed significant challenges—it tends to be costly and complex, necessitating extra infrastructure such as servers, storage, and networking. Moreover, seamless coordination among multiple IT teams is essential to guarantee prompt recovery. Consequently, many organizations are concerned about their ability to recover critical systems rapidly in the event of a disaster. With Dell's data protection solutions, organizations can drastically reduce their recovery time in the face of a disaster by up to 85%.



Extend Dell on-premises data protection

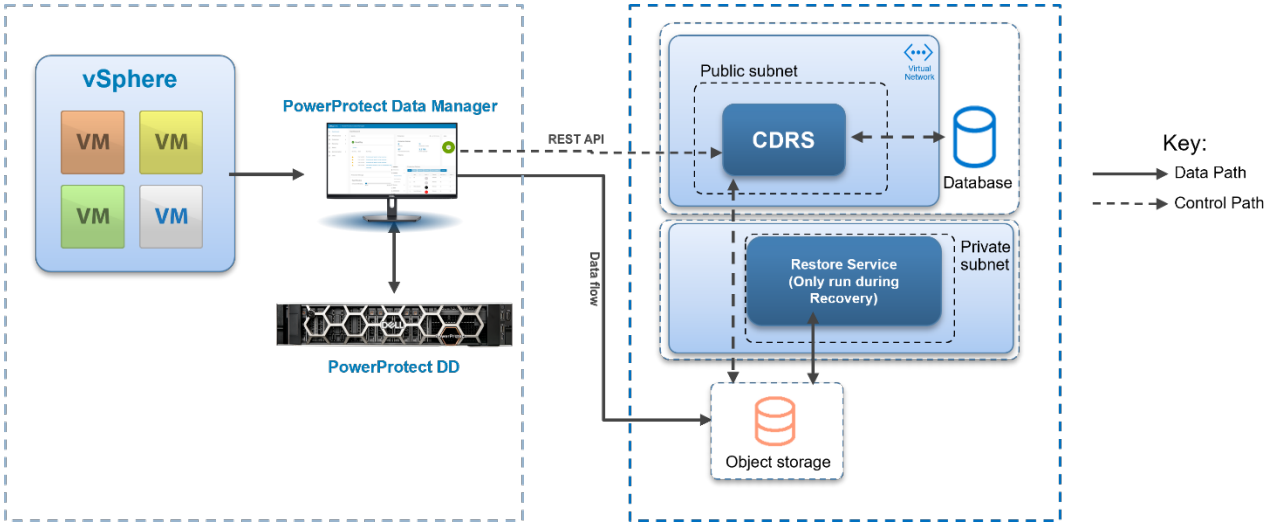
Protect to public cloud

Dell Cloud Disaster Recovery

Dell Cloud Disaster Recovery (Cloud DR) offers a comprehensive solution. It enables enterprises to replicate backed-up virtual machines (VMs) from their on-premises PowerProtect Data Domain appliances using Data Protection Suite, or PowerProtect Data Manager environments, to leading public cloud platforms such as AWS, AWS GovCloud, Azure, and Azure Government Cloud. With Cloud DR, organizations can orchestrate disaster recovery testing, and seamlessly failover and failback cloud workloads with just a few clicks. These workloads can operate directly in the public cloud, eliminating the requirement for a full deployment of data protection infrastructure in the cloud for VM safeguarding and recovery.

Additionally, Cloud DR optimizes costs by activating restore servers in the cloud solely when the primary data center is inaccessible, promptly decommissioning these resources once the DR event concludes. Moreover, Cloud DR leverages the agility and cost-effectiveness of cloud object storage, with minimal footprint and compute cycles in the public cloud. Cloud DR ensures a consistent user experience, requiring minimal education and training. It offers direct in-cloud access, monitoring, and reporting, enhancing usability. This approach delivers a highly efficient disaster recovery solution that is easy to use, meeting the evolving needs of modern enterprises.

[1]Based on ESG review commissioned by Dell, “Analyzing the Economic and Operational Benefits of the Dell Data Protection Portfolio”, November 2022, evaluating the economic value of the Dell EMC data protection portfolio. Actual results will vary



Recover to VMware Cloud

Cloud DR enables efficient cloud resource consumption by seamlessly extending your on-premises data protection to VMware Cloud on AWS. It achieves this by directly recovering VM images stored on Amazon S3 to new virtual machines on VMware Cloud. Once your VMware Cloud environment is operational, you can initiate the recovery of selected VMs from the CDRS UI, eliminating the need to recover your entire VM environment simultaneously.

The VMware Cloud environment is not necessary for ongoing protection and can be provisioned on-demand when recovery is required. This approach is significantly more cost-effective than maintaining constant infrastructure in VMware Cloud.

Cloud DR Orchestration

Cloud DR orchestration features encompass the support of recovery runbooks, empowering administrators to create one or more DR plans for the recovery of multiple VMs with preconfigured boot orders and orchestration sequences. The straightforward recovery workflow entails selecting the desired copy; subsequently, Cloud DR automatically orchestrates all necessary operations until the requested point in time is restored.

Recovery RTO can be significantly reduced to just a few minutes through rapid recovery for selected VMs. Initiating a rapid recovery copy initiates a rehydration process, converting VMDK files to the required format based on the cloud provider environment. Subsequently, the recovery process merely needs to launch the recovered instance.

Summary

Cloud DR delivers significant efficiency by offering simplicity, faster recovery, and lower costs in terms of performance, infrastructure, and administrative overhead. Opting for cloud DR deployment presents superior value compared to traditional methods, providing organizations of all sizes with a streamlined, fully orchestrated DR solution.

With Dell Technologies, you can modernize your data center to enhance operational efficiency, resilience, and scalability. Whether you're ready to harness cloud computing immediately or in the near future, Dell Technologies can assist you in transforming your environment for the future.

Learn More about Dell Cloud Disaster Recovery

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