DELL EMC

SOLUTION BRIEF

SIMPLE, COST-EFFECTIVE DISASTER RECOVERY IN THE CLOUD

VALUE OF DELL EMC CLOUD DISASTER RECOVERY

- **Cost-Effective DR**
  - No additional infrastructure needed
  - Minimal compute expense running 24/7, spinning up resources only for a DR event
  - Direct protection from Data Domain on-prem into AWS, Azure
- **Simple deployment and management**
  - Leverage what you know and own – Dell EMC, VMware, AWS, Azure
  - Existing data management infrastructure: No new configuration
  - Simple operation from your familiar Dell EMC GUI
- **Simplified, fully orchestrated DR**
  - DR testing ensures that a VM can be recovered before performing a failover or recovering specific data
  - Orchestrated failover of workloads to AWS, Azure in disaster DR event
  - Recover to VMware Cloud
  - 3 Click Failover, 2-Click Failback

Deploying DR in the Cloud

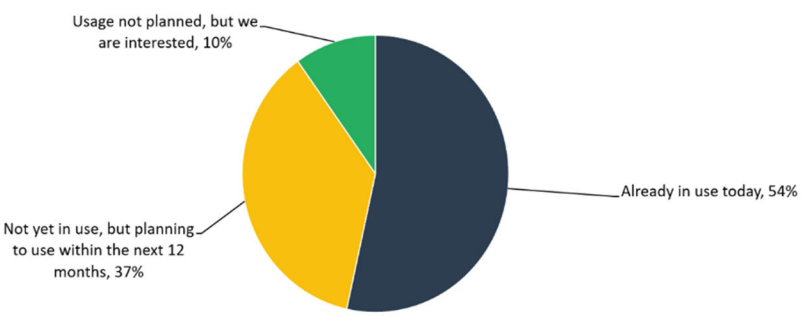
With the growing transition to cloud computing, many organizations are looking to leverage the value of cloud to enhance their disaster recovery (DR) plan. In the past, organizations have spent an enormous amount of money on DR sites (servers, backup and systems), though they often felt that the ROI wasn't great, but the options to reduce the costs were limited. In fact, DR testing and recoverability were often delayed, manual, and a routine checklist with pre-planned activity. Can disaster happen pre-planned? Does it make sense to have disaster recovery drills as a planned activity? In fact, most organizations are not confident of recovering in a timely manner when disaster strikes anyway.

For organizations looking to leverage the cloud as a disaster recovery option, Dell EMC views the Cloud as a deployment choice that can be fundamental and vital as customers embark upon their IT, Digital, Workforce, and Security Transformation initiatives. Whether your data and applications reside on-premises or moving into the public cloud, Dell EMC enables cloud protection across the entire protection portfolio while creating a new class of data protection cloud solutions and services – including backup to the cloud, backup in the cloud, long-term retention to cloud and DR to the cloud.

ESG Cloud DR Study

ESG's recent study shows that 54% of organizations currently use DRaaS and 37% have plans to deploy public cloud services. These organizations commonly look to the cloud's scale, elasticity, agility, and low cost to store and manage data as compelling advantages to their businesses.

Which of the following best describes your organization's strategy for using disaster recovery-as-a-service (DRaaS) to protect any of its servers and/or virtual machines (VMs)? (Percent of respondents, N=300)



Dell EMC Cloud Disaster Recovery

Cloud Disaster Recovery (Cloud DR) allows enterprises to copy backed-up VMs from their on-premises Data Domain or IDPA and Avamar environments to the public cloud (AWS, Azure) and to orchestrate DR testing, failover and failback of cloud workloads in a disaster scenario. Extension of the existing data protection from the customers' premises to the cloud provides a familiar user experience, thus requiring minimal education and training. Additional benefits of Cloud DR include minimal cloud footprint during routine operation and orchestrated recovery.

Dell EMC Cloud Disaster Recovery

Orchestrated DR * Efficient Architecture * Simple to Operate

Recover to VMware Cloud

Cloud DR now allows customers to extend their of on-premises data protection to VMware Cloud. Cloud DR offers efficient cloud resources consumption by copying backed-up VMs from their on-premises Avamar and Data Domain environments directly to S3 storage on AWS, while leveraging the VMware cloud environment on-demand when recovery is needed.

Recovering to VMC provides fast recovery of on-premises VMware VMs to VMware VMs in VMC, with no conversion required and simple recovery workflow, only requiring the user to select the desired copy, then Cloud DR will automatically orchestrate all operations needed to until requested point in time is restored. Cloud DR also provides the capability to test recovery and failover from the same S3 copies into AWS EC2 instances, automating the recovery flow, converting the VMware VMs into AWS EC2 instances and enabling DR Plans configuration for recovering multiples VMs with pre-configured boot order and recovery settings. Recovery to EC2 instances RTO can be shorten to just a few minutes by using Rapid Recovery images for selected VMs.

Summary

Cloud-based DR offers simplicity, faster recovery and lower costs, both in terms of infrastructure and administrative overhead. Leveraging the cloud as a deployment choice can provide a better value than traditional methods and provides a simplified, fully orchestrated DR solution for organizations of all sizes. With Dell EMC, you can transform your data center to enable greater operational efficiency, resiliency and scalability. Whether you want to leverage cloud computing now or in the near future, only Dell EMC can help you transform your environment for the future, laying the technical foundation for the data center while modernizing your data protection for the cloud right along with it.

Learn more: www.dellemc.com/cloudprotection

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