## Dell EMC Cloud Disaster Recovery

**Simple, Cost-Effective Disaster Recovery to the Cloud**

### Deploying Disaster Recovery in the Cloud

With the growing transition to cloud computing, many organizations are looking to leverage the cloud to enhance their disaster recovery (DR) plan. In the past, organizations found DR to be expensive and difficult to manage (servers, backup and systems), but the options to reduce the costs and complexity were limited. In fact, DR testing and recoverability were often manual and did not include a routine checklist with pre-planned activity. Most organizations are not confident of recovering in a timely manner when disaster strikes, but this is where Dell Technologies comes in. Dell EMC data protection reduces time to recover in the event of a disaster by up to 85%1.

### Value of Dell EMC Cloud Disaster Recovery

**Cost-Effective DR**

- Dell EMC data protection reduces time to recover in the event of a disaster by up to 85%1
- Minimal cloud compute running 24/7 for minimizing cost, only spinning up additional DR resources for an event
- Direct protection from PowerProtect DD on-prem into AWS, AWS GovCloud, Azure and Azure Government
- Recover to native cloud instances, VMware Cloud on AWS or directly back to on-premises vCenter

### Simple Deployment and Management

- Leverage what you know and own – Dell EMC, VMware, AWS, Azure, AWS GovCloud, Azure Government
- Extend the existing on-premises data protection infrastructure.
- Add and manage Cloud protection from your familiar Dell EMC GUI
- Easy HTML5 UI to directly monitor protection and manage recovery flows in the cloud

### Simplified, Fully Orchestrated DR

- Test DR then promote to Failover
- Orchestrated failover of workloads to AWS, AWS GovCloud, Azure, Azure Government in case of disaster
- Direct recovery to VMware Cloud or on-premises vCenter
- 3 click failover, 2 click failback

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1Based on ESG review commissioned by Dell, “Analyzing the Economic and Operational Benefits of the Dell EMC PowerProtect Data Protection Portfolio”, September 2020, evaluating the economic value of the Dell EMC data protection portfolio. Actual results will vary
Recover to VMware Cloud

Cloud DR offers efficient cloud resource consumption by efficiently extending your on-premises data protection to VMware Cloud on AWS by directly recovering the VM images stored on AWS S3 to new virtual machines over the VMware Cloud Software Defined Data Center (SDDC). Once the VMware Cloud SDDC environment is up and running, you can start recovery of selected VMs from the CDRS UI, rather than recovering your entire VM environment at once. The VMware Cloud SDDC environment is not required during on-going protection and can be obtained on-demand when recovery is needed, which is much more cost-effective than having the VMware SDDC constantly running.

Cloud DR Orchestration

Cloud DR orchestration features include the support of recovery run books, which enable administrators to create one or more DR plans to recover multiple VMs with preconfigured boot order and recovery orchestration. Simple recovery workflow only requires you to select the desired copy; then Cloud DR will automatically orchestrate all operations needed until the requested point in time is restored. Recovery RTO can be shortened to just a few minutes by using rapid recovery for selected VMs. Creating a rapid recovery copy starts a rehydration process and converts the VMDK files to the required format depending on the cloud provider environment. The recovery process then only needs to launch the recovered instance.

Summary

Cloud DR offers tremendous efficiency through simplicity, faster recovery and lower costs, in terms of performance, 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 Technologies, 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, Dell Technologies can help you transform your environment for the future, laying the technical foundation for the data center while modernizing your cloud data protection right along with it.

Learn More about Dell EMC Cloud Disaster Recovery

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