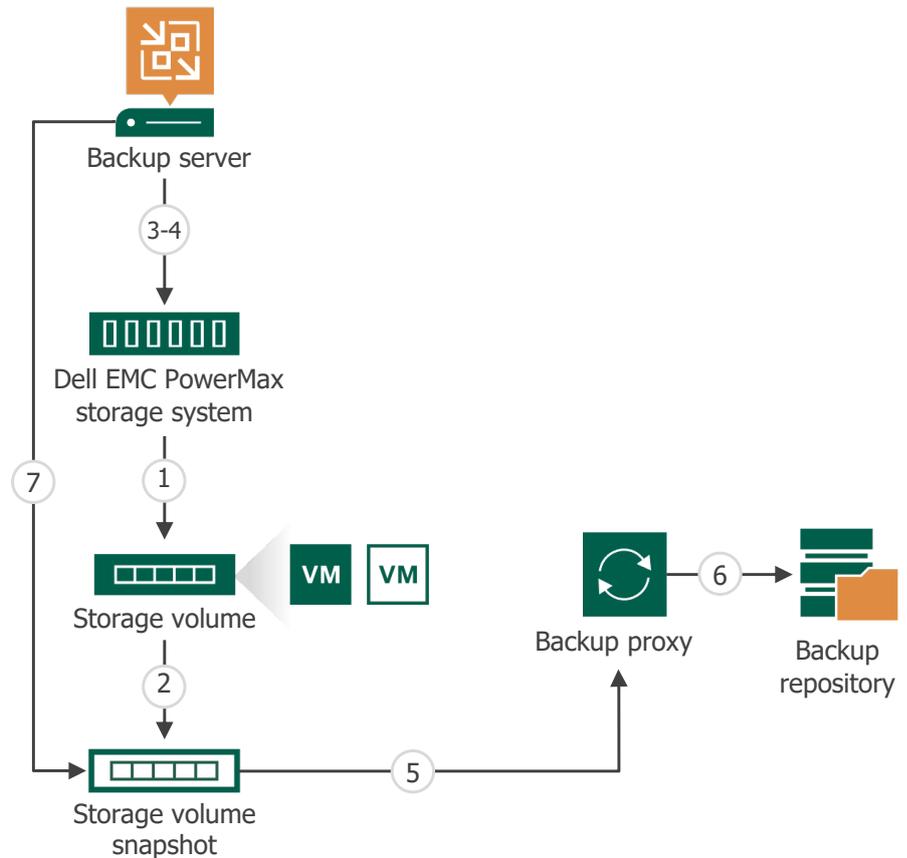# Storage Snapshot Integration for Dell EMC PowerMax

Veeam Modern Data Protection with Dell EMC PowerMax

As the volume and velocity of data grows, so do the costs of securing, managing and storing that data. To keep pace with this growth, organizations are considering deploying enterprise data storage arrays for enhanced performance, to optimize storage and scale as needed to meet the demands of the most critical workloads. As customers modernize their data centers to meet these requirements, they are increasingly realizing the importance of ensuring that their data protection environments provide availability for any application and any data, across any infrastructure.

Powerful protection to maximize storage investments

Veeam Backup & Replication customers with Dell EMC PowerMax storage can leverage native snapshots to create image-based backups directly from Storage Snapshots, which delivers faster backups. Veeam customers can create true backups and replicas of VMware workloads from storage snapshots with minimal impact to production. They can also recover guest OS files, application items or even an entire virtual machine (VM) from a Storage Snapshot in minutes. And when it comes to recovery, Veeam solutions reduce the time needed to mount snapshots, lower recovery time objectives (RTOs) and simplify data recovery.

Backup server

3-4

Dell EMC PowerMax storage system

7

1

Storage volume

VM VM

2

Storage volume snapshot

5

Backup proxy

6

Backup repository

Single platform to manage any workload

Veeam's Modern Data Protection provides a platform for data resiliency to protect all VMware workloads in a single experience, reduce operation costs, and drive guaranteed recovery. This includes the ability to backup from Storage Snapshots with minimal impact to your production environments. Veeam Backup from Storage Snapshots lets you quickly backup and replicate VMware vSphere VMs and ensure fast recovery while minimizing the impact of backup on applications and data. Veeam backups and VM replicas can be automated and run as often as you'd like, even during business hours.

And when it comes to recovery, Veeam can also restore VMware workloads and data directly from native Dell EMC PowerMax snapshots. With Veeam Explorer for Storage Snapshots which is part of Veeam Backup & Replication, customers can automate the process of data recovery for VMs that are hosted on Dell EMC PowerMax systems, simplifying data recovery and ensuring business critical applications remain available.

Use Cases

Reduce the risk of VM stun

Veeam Backup from Storage Snapshots allows you to back up highly transactional VMs like database servers without risking VM stun since you will be backing up the Storage Snapshots from the PowerMax storage rather than through VMware.

Comprehensive data management from a single platform

Enable data resiliency to protect VMware workloads, with a single experience, including backups from Storage Snapshots, physical servers, VMs, and cloud-based workloads.

Restore directly from storage snapshots

Veeam Backup & Replication can open Storage Snapshots and restore files and objects directly from a Storage Snapshot. This allows you, to schedule Storage Snapshots every 15 minutes without needing to create VM snapshots as well.

Leverage backup data for testing and Dev Opps

Leverage the data that's sitting idle in your Storage Snapshots with Veeam's On-Demand Sandbox (part of Veeam Data Labs™) to test and troubleshoot issues without impacting your production environment.

Conclusion

Backing up during production hours has always been a challenge because it can impact the performance of your production environment. However, backing up from Storage Snapshots provides you with the ability to backup critical systems more frequently, at any time throughout the day and all with minimal impact on your production VM's running on Dell EMC PowerMax. Veeam's Backup for Storage Snapshots offers an easy, flexible and cost-effective data protection solution, we make sure that your data is always available, protected and actively working for our customers' businesses.

Learn more
veeam.com

Benefits

- Fast, application aware, backups directly from Storage Snapshots — whenever you need them

- Protect data from ransomware and other threats with immutable backups

- Recover PowerMax files, application items or even entire VMs in minutes

- Restore directly from Storage Snapshots, without staging snapshot contents to flash drives and doing intermediate restores

- Reduce the time needed to mount snapshots, and lower your RTOs

- Leverage backup copies to test and troubleshoot identical copies of production VMs in an isolated environment