VEEAM

Storage Snapshot integration for Dell EMC PowerStore

Commitment to innovation

We've continued our commitment to innovation, which now extends to Dell EMC PowerStore. This adds to our current support for Dell EMC VNX and VNXe, Unity, Unity XT, SC Series, PowerMax and VMAX All-Flash. This new plug-in enables Veeam® Backup & Replication™, customers with Dell EMC PowerStore to create backups directly from Storage Snapshots created in PowerStore cluster. Veeam's storage integration with Dell EMC storage solutions increases backup efficiencies, provides flexible recovery options and simplifies IT operations to deliver a higher return on your storage investment.

The challenge of backing up highly transactional workloads

Let's face it, backing up during production hours has always been a challenge because of production impact. However, if you could take backups from Storage Snapshots, you could protect your critical workloads more frequently with zero impact to your production environment.

This is where Veeam comes in! Veeam's built-in integration with Dell EMC PowerStore mitigates the impact on your production environment and improves Restore Point Objectives (RPOs) by offering the ability to take backups at any time throughout the day while also delivering faster backup speeds.

- **Backup from Storage Snapshots:** Lower the additional impact from backup activities on the environment by retrieving virtual machine (VM) data from Storage Snapshots.

- **Quickly and easily recover:** Individual items or entire VMs with Veeam Explorer™ for Storage Snapshots.

- **On-Demand Sandbox™:** Use Storage Snapshots to create completely isolated copies of your production environment in just a few clicks, for fast and easy developing, testing and troubleshooting.

- **Snapshot orchestration at primary storage:** In addition to a backup chain, a Veeam backup job can save snapshots and manage their retention separately.

Environment configurations

- **Veeam® Backup & Replication™ v10** or later

- **Storage systems:** Running PowerStore OS 2.0 or later, including PowerStore T series and X series

- **Useable protocols:** Include both VMware and Windows servers

  - FibreChannel (the Veeam Proxy needs to be physical)

  - iSCSI

  - Failback to NBD-Network mode or HotAdd (backup and restore) without Storage Snapshot processing (optional)

- **Hyper-V**

  Hyper-V Storage Snapshot processing is not part of the Universal Storage API. However, Veeam can use Storage Snapshots for Hyper-V off-host backups when the vendor has been integrated into the Hyper-V Hardware VSS Provider framework. This is a native capability of Hyper-V that Veeam can leverage.

Benefits

- Fast, application aware, image based backups directly from Storage Snapshots as often as necessary

- Protect data from ransomware and other threats with immutable backups

- Recover guest OS files, application items or even an entire VM in minutes

- Perform granular and VM recovery from PowerStore replicated storage snapshots

- Restore directly from Storage Snapshots, without staging snapshot contents to disk and intermediate restores

- Reduce the time needed to mount snapshots, lowering your recovery time objectives (RTOs)

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

- Automatically tier backups from PowerStore storage snapshot to cloud object storage

Use cases

Fast backups with low production impact

Backing up highly transactional VMs like database servers can create nasty side effects that appear in the form of lengthy backup windows and application timeouts if not managed correctly. Veeam Backup & Replication allows you to back up these highly transactional workloads without risking VM stun since you will be backing up Storage Snapshots from the PowerStore storage appliance rather than directly from the VM.
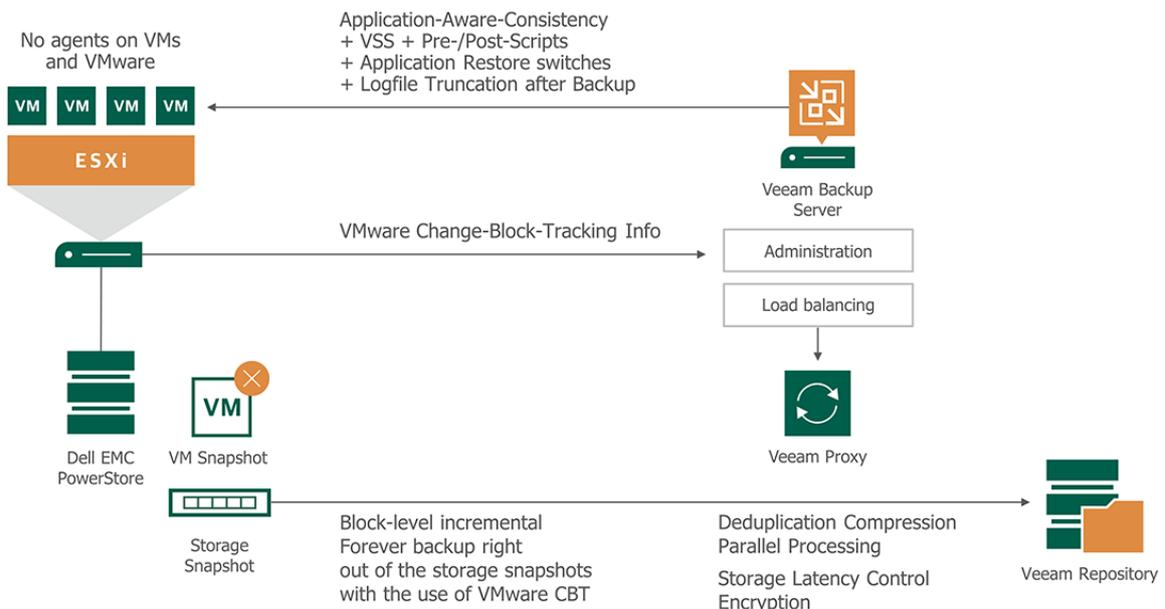
Leveraging backup data for testing and Dev Ops

Leverage the data that's sitting idle in your Storage Snapshots with Veeam's On-Demand Sandbox, part of Veeam DataLabs™. The On-Demand Sandbox allows you to start up identical copies of your production VMs in an isolated environment directly from their Storage Snapshots. Veeam makes it easy to put your data to work for testing and troubleshooting issues, all without impacting your product environment.

High-speed recovery directly from Storage Snapshots

You don't always have the luxury of time for critical recoveries. So, what you need is a fast and easy way to quickly restore your data. Leveraging Storage Snapshots can dramatically accelerate restores and eliminate the need to perform manual procedures. Veeam Explorer for Storage Snapshots enables you to quickly browse your Storage Snapshots, perform fast granular recovery of files and application items and can help you perform an Instant VM Recovery®.

Veeam Backup for Storage Snapshots

Summary

Backing up during production hours has always been a challenge. However, by combining both modern storage from Dell EMC PowerStore with Modern Data Protection from Veeam, customers can increase backup efficiencies, enable flexible recovery options and simplify IT operations to deliver a higher return on their storage investments. When it comes to Modern Data Protection, Veeam provides our customers with the confidence that their apps, and data will remain protected and always-available with the most simple, flexible, reliable and powerful platform in the industry.

Learn more
veeam.com