SOLUTION BRIEF

Optimizing Data Protection with Veeam

Gain a modern solution for enterprise efficiency and cyber resilience.

The need for enhanced cyber resiliency is the new normal for IT organizations across the world. With many organizations experiencing at least one attempted ransomware attack, secure immutability and reliable recovery is absolutely essential. But enterprise-grade backup is often complex and costly due to legacy practices. With Pure Storage® and Veeam, choosing the right storage for highly-efficient, enterprise-grade recovery is easy. With capabilities for all workloads, we provide greater cyber security protection and operational efficiencies that allow you to protect more and recover faster in the face of disaster or cyber-attack.

A Modern Solution for Your Critical Data

Pure and Veeam have jointly engineered a simple and modern solution integrating Veeam Backup & Replication with Pure Storage FlashArray//C ™ and FlashArray//X™. Adding the Pure Storage Plug-in for Veeam streamlines the configuration, execution, and monitoring of your most critical assets and offloads the impact on production workloads with true native support.

This newly enhanced Veeam plug-in reduces the performance impact on the primary VMware estate when it comes to creating VMware snapshots by offloading this process to the storage array and then taking the backup from the array. Veeam's USAPI 2 leverages Pure Storage FlashArray™ snapshots for both backups and replicas. Complete orchestration and management of FlashArray snapshots and replicas is performed through integration with USAPI 2.0. The API allows snapshots and replicas to be managed, cataloged and backed up to FlashArray//XL™, FlashArray//X, FlashArray//C, or Pure Cloud Block Store™. This not only offloads highly intensive backup operations from production systems but also delivers increased resiliency as the snapshot copies are replicated off-site before being backed up to a Veeam repository.

Flexible Recovery Options

Perform fast, granular restores from snapshots at the original location or replicated to a secondary site.

Object Lock Security

Take full advantage of the inherent security and unlimited scalability of object storage without sacrificing speed.

Complete Orchestration

Easily orchestrate and manage Pure Storage snapshots and replicas with USAPI 2.0.

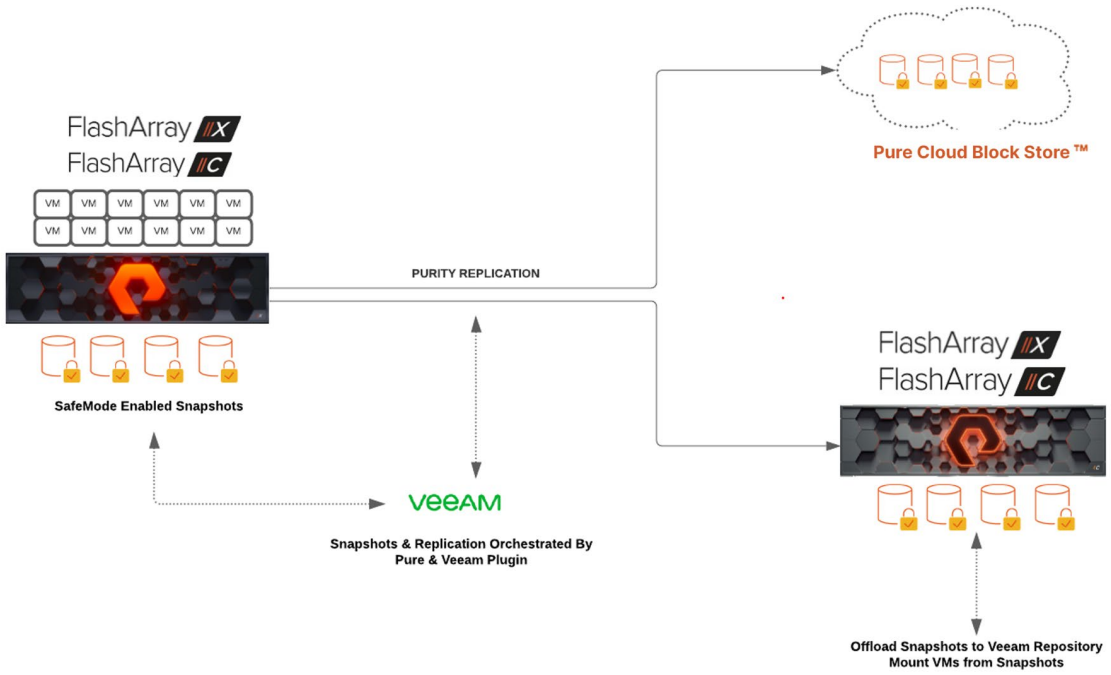

Figure 1. Offloading snapshots using USAPI for Veeam Backup & Replication.

Direct to Object with Pure Storage FlashBlade

Pure Storage FlashBlade//S™ helps address how applications are developed by leveraging your data to enable modern, next-generation applications. Rapid Restore, part of Pure FlashBlade systems, offers superior, petabyte-scale data-recovery performance—further enhanced by Veeam Backup & Replication v12. FlashBlade//S provides direct-to-object backup capabilities that help customers achieve recovery time (RTO) and recovery point objectives (RPO) for mission-critical applications while reducing complexity and risk while simplifying deployment and configuration tasks. It also provides the foundation for enhanced ransomware protection for Veeam backups. Using Object Lock technology, backups objects become immutable as soon as they are written to FlashBlade®. Together, Pure and Veeam take full advantage of the inherent security and unlimited scalability of object storage without sacrificing speed.

Enterprise Efficiency Built for Cyber Resilience

Pure offers modern, broad-based enterprise-class block, file, and object storage built from the ground up for all your cloud data. We provide an experience that is consistently effortless, efficient, and evergreen.

Pure Storage SafeMode™ Snapshots provides an additional layer of protection. Built into FlashBlade and FlashArray, SafeMode creates immutable snapshots and manages them automatically, independent of administrator control so they can't be altered or deleted—on purpose or by accident. You can recover primary or backup data directly from these snapshots to help guard against ransomware, rogue or accidental deletion, or situations in which original copies are corrupted or no longer available.

From enhanced backup performance to multi-tiered protection, Veeam and Pure provide everything you need for rapid local backup and restore of file data to meet your most challenging RPO and RTO requirements. Pure FlashArray and FlashBlade meet Veeam Ready status to ensure compatibility with Veeam Backup & Replication features. Pure Storage and Veeam provide:

- Agentless, application-consistent array-based snapshot backups
- Veeam management and orchestration of FlashArray snapshots, backups, and replicas from the data center to a remote site
- Direct to object support
- Unlocked performance for advanced Veeam features, such as DataLabs, SureBackup, and Secure Restore
- Support for secondary use cases including S3 object storage and the cloud for longer-term retention

Additional Resources

- Download the free Pure Storage plug-in for Veeam Backup & Replication.
- Learn more about Pure Storage FlashArray//C and FlashBlade//S.
- Discover more Pure Storage solutions for Veeam.

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