PURESTORAGE®
Uncomplicate Data Storage, Forever

VEEAM | **Veeam** Integrated

Simplifying FlashArray Snapshots and Replicas with Veeam

A modern, fully integrated solution for backups and replicas.

Maintaining backups to safeguard critical data against deletion is essential to maintaining a strong strategy to secure your organization from ransomware attacks. However, the overhead on production systems due to manageability, integration with backup software, and even virtual machine (VM) stun has increased complexity for storage administrators.

Veeam Universal Storage API

Pure Storage® and Veeam have jointly engineered a simple and modern solution integrating Veeam Backup & Replication and Pure Storage FlashArray//C™ and FlashArray//X™. This solution 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 plug-in for Veeam reduces the impact of performance 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 storage. Veeam's USAPI 2 leverages FlashArray™ snapshots for both backups and replicas. This unique capability allows you to back up from the replicated snapshot. 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.

Further protection is provided by Pure Storage SafeMode™ Snapshot technology. SafeMode, a built-in feature of the Purity Operating Environment, mitigates ransomware attacks by preventing any modification or deletion of data. SafeMode helps guard against attacks, accidental deletion, or even rogue admins by creating read-only snapshots. From the moment Veeam orchestrates the creation of a FlashArray snapshot of mission-critical VMs, SafeMode can secure them. SafeMode also secures the replicated copy and the snapshots of the Veeam backup repository.

Greater Efficiency

FlashArray™ snapshots are space-efficient and application-consistent.

Flexible Recovery Options

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

Complete Orchestration

Easily orchestrate and manage Pure snapshots and replicas with the Pure plug-in for Veeam Backup & Replication.
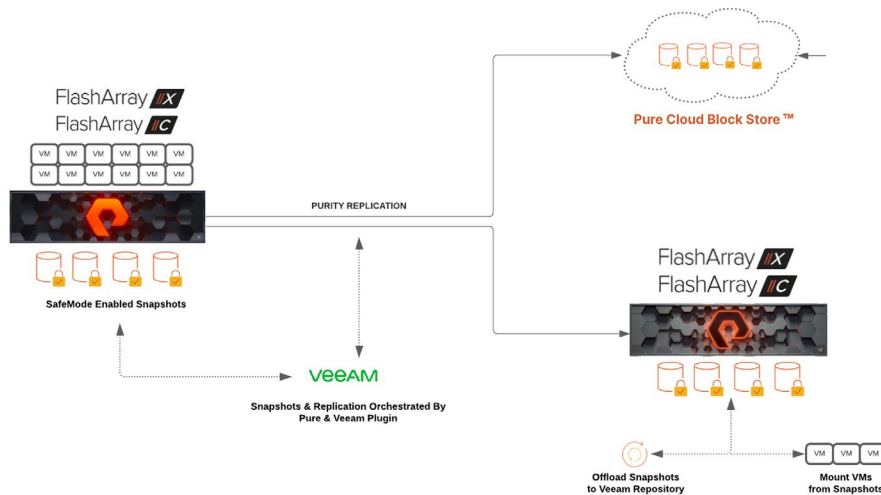
Figure 1: Offloading snapshots using USAPI for Veeam Backup & Replication

Enhanced Orchestration and Management for Snapshots and Replicas

Veeam Backup & Replication provides complete orchestration and management of snapshots and replicas on FlashArray system from the data center to remote sites. This integration allows snapshots and replicas to be managed, cataloged, and backed up to FlashArray//X, FlashArray//C, or Pure Cloud Block Store™. Pure Storage FlashArray was one of the first storage solutions to support Veeam's USAPI framework, and the Pure Storage Plugin for Veeam is the most adopted plug-in by Veeam customers. FlashArray snapshots are very space-efficient and fast to recover from and provide deep integration with Veeam.

The Pure Storage Plugin is available for free and may be downloaded from the Veeam website.

Pure Storage integration with Veeam provides:

- 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
- Snapshot offload from replicated snapshots
- Support for secondary use case from remote snapshots including to S3 object storage and the cloud for longer-term retention
- Auto-on SafeMode—source snapshot, replicated snapshot, and Veeam backup repository

Additional Resources

- Download the Pure Storage plug-in for Veeam Backup & Replication.
- Learn about Pure Storage solutions for backup and recovery.
- Discover more Pure solutions for Veeam.

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