

SOLUTION BRIEF

Ransomware Remediation with FlashArray SafeMode

Increase Veeam data protection with Pure Storage® FlashArray//C and SafeMode™ snapshots.

Ransomware attacks continue to be top of mind for businesses and IT leaders. And for good reason: Ransomware can compromise access to your organization's lifeblood—your data. The consequences can be dire if you pay perpetrators to (maybe) unencrypt your data, stumble with decryption tools, or gamble on recovering from backups. With millions of dollars spent annually to guard entry points to data, many still underestimate the strategic value of elevating data protection plans.

Your Existing Data Protection May Not Be Enough

Backups safeguard critical data against common scenarios such as recovering from natural or human-made disasters, data corruption, or accidental deletions. However, ransomware attacks can stress your existing data protection infrastructure more than expected, especially if it's built on legacy architectures such as disk and tape.

If you're already struggling to meet recovery service level agreements (SLAs), a ransomware attack can intensify the situation with additional, unplanned downtime. An attack can compromise your backup systems and data, which could require you to reinstall and reconfigure your backup solution before even contemplating data recovery.

The Value of FlashArray™ and Veeam

Pure Storage FlashArray//C and Veeam allow you to improve your data protection outcomes significantly. The all-flash architecture of FlashArray delivers fast backup and restore to overcome the limitations of legacy data protection architectures by consistently delivering speeds up to 7TB/hour for backups and 2TB/hour for restores. High-performance, inline deduplication stores only unique blocks of data, which highly optimizes the storage that your Veeam backups and snapshots consume.



Complete Protection

Pure Storage SafeMode snapshots prevent permanent loss of data due to malicious attacks or admin mistakes.



Enhanced Efficiency

FlashArray's high-performance, inline deduplication optimizes storage, Veeam backups, and snapshots by storing only unique data blocks.



Highly Flexible

A jointly developed Universal API helps tightly couple FlashArray snapshots with Veeam backups.



Pure leverages the tightly coupled integration between FlashArray snapshots and Veeam through the jointly developed Universal API. Veeam orchestrates and manages FlashArray-created snapshots and presents them through the Veeam management UI. And with FlashArray SafeMode snapshots, you can mitigate the risks associated with ransomware attacks or admin mistakes.

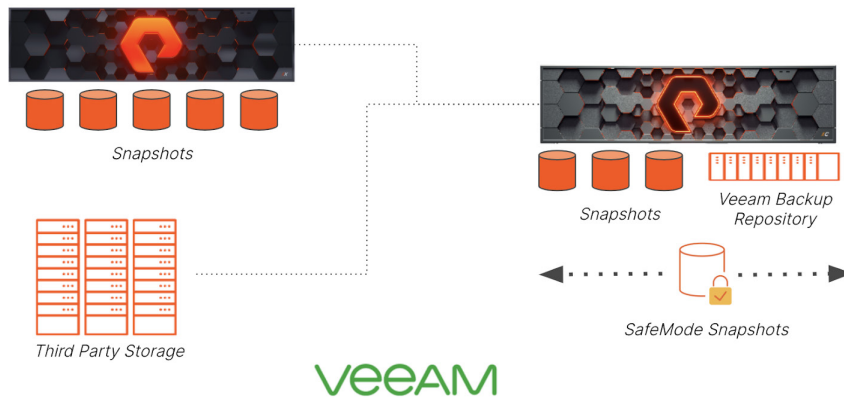


Figure 1. Ransomware remediation for Veeam on FlashArray//C.

Enhanced Veeam Data Protection with FlashArray SafeMode

Creating an air gap for your backup environment can help safeguard against ransomware attacks on your backup data set. Pure offers an additional protection level with a new approach to mitigating these attacks when using Pure FlashArray and FlashBlade® systems. SafeMode snapshots, a built-in feature of the Purity operating environment, enable you to create immutable, read-only snapshots of backup data and associated metadata catalogs after you've performed a full backup. You can recover data directly from these snapshots, helping guard against attacks by ransomware and even rogue administrators. Deploying Pure's all-flash solutions with Veeam provides:

- **Complete Protection:** SafeMode snapshots not only protect your Veeam Backup repository but also protect FlashArray snapshots created locally or replicated from another FlashArray.
- **Enhanced Ransomware Protection:** Ransomware can't eradicate (delete), modify, or encrypt SafeMode snapshots. Only an authorized designee from your organization working directly with Pure Technical Support can configure, modify policies, or manually eradicate snapshots.
- **Flexibility:** Snapshot cadence and eradication scheduling are customizable through a jointly developed Universal API.
- **Fast Restore:** FlashArray's all-flash architecture scales with data to speed backups and recovery.

Additional Resources

- Discover Pure Storage [data protection solutions](#).
- Learn more about Pure Storage [FlashArray//C](#).

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