

SOLUTION BRIEF

FlashArray File Protection with Veeam

Scalable, high-performance file backup and restore for Pure Storage® FlashArray™.

As the scalability of network-attached storage (NAS) environments reaches new levels, so does the need to protect them with highly scalable, simple, and secure backup tools. Veeam brings powerful new capabilities that deliver flexibility to NAS data protection and recovery, greatly reducing storage costs while improving recovery times for FlashArray file data.

Fast FlashArray File Data Backup

Veeam transitions backup [data from FlashArray](#) file shares to the backup target using Veeam backup proxies. These backup proxies enable the data flow; they're scalable and software-defined with no requirements for new hardware or dedicated appliances to achieve scale. The key differentiator of Veeam NAS backups is changed file tracking, which maintains the footprint of the source file share and is stored in a cache repository. This cache repository keeps track of the objects that have changed between each backup, which results in ultra-fast backup processing.

Fast Recovery and Ransomware Mitigation

Pure Storage [FlashArray//C](#) is the industry's first all-flash, 100% NVMe QLC platform, making it an ideal repository for Veeam backup jobs by using tightly integrated APIs. With QLC Flash and FlashArray's deduplication capabilities, you can scale up to 1PB of data in just 3U of rack space, providing massive TCO benefits.

In addition, FlashArray mitigates ransomware attacks through secure data snapshots that protect your backup copies from both hackers and rogue administrators. The all-flash architecture of FlashArray delivers fast backup and restore to overcome the limitations of legacy data protection. High-performance, inline deduplication stores unique blocks of data, which highly optimizes the storage consumed by Veeam backups and snapshots.

Unlike single-purpose backup appliances, FlashArray can be used for multiple use cases such as databases, VDI, test-dev environments, and more.



Complete Protection

SafeMode™ snapshots prevent permanent data loss due to malicious attacks or admin mistakes.



Flexible File Recovery

Flexible file recovery options simplify data recovery management.



Fast Backup and Restore

FlashArray//C high-performance with Veeam changed block tracking provides a fast backup and restore experience.

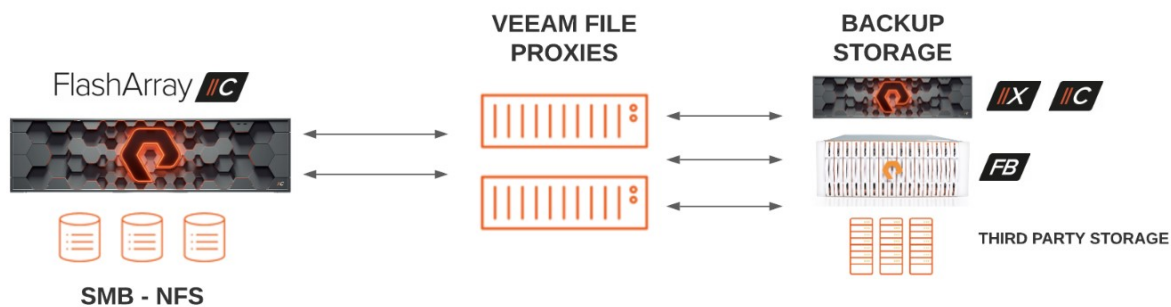


Figure 1. Solution architecture with FlashArray//C as a backup target.

Flexible File Recovery

Veeam Backup & Replication provides multiple options for recovering files, including restoring files to their original location or an alternate path. Veeam's self-service web console enables users to quickly locate files and perform browse, restore, and download operations.

- **Entire Share Restore:** Completely restore a selected version of all files—either back to the original location or an alternate location—with security and permissions intact.
- **Roll Back to a Point in Time:** Quick rollback enables you to restore to the last-known good configuration. This means that any file modified since the last backup can be reverted. For example, in the event of a ransomware attack, this option would allow you to roll back to the last good backup before the ransomware attack occurred.
- **Restore Individual Files and Folders:** Provides the ability to restore individual files and folders by overwriting the live system or keeping both copies. You can easily choose specific restore points with additional visibility to see all available file versions, making the version selection recovery a simple and flexible task.

FlashArray file services are natively integrated into FlashArray, giving all the benefits of familiar FlashArray capabilities such as global deduplication and compression across both block and file, along with snapshots and other data protection features. By adding Veeam for file backup, users have a complete file storage solution.

Additional Resources

- Read about [Pure FlashArray File Services](#).
- Watch a brief [demo video](#) on FlashArray File Services.
- Learn more about [Veeam and Pure Solutions](#).

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